# 8. REPLACEABLE ELECTRICAL PARTS, LOCATION AND CIRCUIT DIAGRAM


| | |
|---|---|
| 8.1 MAIN FRAME Volume II | 1 |
| 8.2 RF BLOCK Volume II | 2 |
| 8.3 2nd, 3rd CONVERTER Volume II | 3 |
| 8.4 IF BLOCK Volume II | 4 |
| 8.5 LOG, A/D BLOCK Volume II | 5 |
| 8.6 CPU BLOCK Volume II | 6 |
| 8.7 RF I/O Volume III | 7 |
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| 8.9 OTHERS MEMORY CARD, FREQUENCY STANDARD, IF DETECTOR, IF DETECTOR, PANEL, REAR CONNECTOR Volume III | 9 |

# 8. REPLACEABLE ELECTRICAL PARTS, LOCATION AND CIRCUIT DIAGRAMS

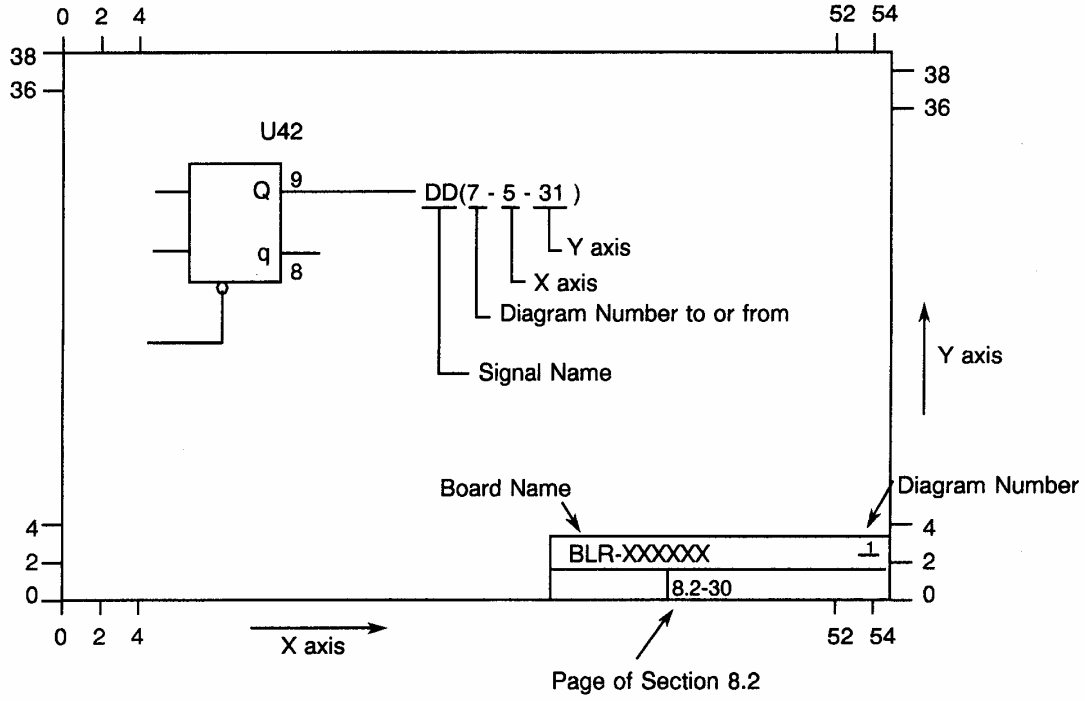
| | BOARD NAME | | | PARTS LIST | CIRCUIT LAYOUT |
|---|---|---|---|---|---|
| 8.1 | MAIN FRAME | WFU-32xxE | | 8.1-1 | — |
| 8.2 | RF BLOCK | WST-3271RF*NEW | | 8.2-1 | 8.2-7 |
| | | WBL-3X71*1ST | | 8.2-2 | — |
| | | WBL-ATT*WIN | | 8.2-3 | |
| | | WST-3265RF*NEW | | 8.2-4 | 8.8 |
| | | WBL-3X65*1ST | | 8.2-5 | — |
| | | WBL-ATT*HRS | | 8.2-6 | |
| | FM DRIVER | | BLB-020655X02 | 8.2-9 to 8.2-10 | — |
| | | | BLB-020655 | 8.2-11 to 8.2-12 | — |
| | 1st CONVERTER | | BED-021089 | 8.2-17 to 8.2-18 | 8.2-21 |
| | | | BED-020656 | 8.2-19 to 8.2-20 | 8.2-22 |
| 8.3 | 2nd, 3rd CONVERTER | WBL-3271THR | | 8.3-1 | 8.3-19 |
| | | | BLB-017037 | 8.3-2 to 8.3-3 | |
| | | | BLB-017045 | 8.3-4 | |
| | | | BLC-017027×02 | 8.3-5 to 8.3-8 | |
| | | | BTF-017504 | 8.3-9 to 8.3-10 | |
| | | WBL-3265THR | | 8.3-11 | |
| | | | BLB-017037 | 8.3-2 to 8.3-3 | |
| | | | BLB-017045 | 8.3-4 | |
| | | | BLC-017027×01 | 8.3-12 to 8.3-16 | |
| | | | BTF-017356 | 8.3-17 to 8.3-18 | |
| 8.4 | IF BLOCK | WBC-32XXIF | | 8.4-1 | 8.4-19 |
| | | | BLS-017025 | 8.4-2 to 8.4-18 | |
| 8.5 | LOG, A/D BLOCK | WDL-32XXLOG | | 8.5-1 | 8.5-23 |
| | | | BLS-017013 | 8.5-2 to 8.5-22 | |
| 8.6 | CPU BLOCK | WBL-32XXCPU | | 8.6-1 | — |
| | | | BLS-018191 | 8.6-2 to 8.6-9 | |
| 8.7 | RF I/O | WBL-3271I/O | | 8.7-1 | 8.7-22 |
| | | | BLL-017508×03 | 8.7-2 to 8.7-11 | |
| | | WBL-3265I/O | | 8.7-12 | |
| | | | BLL-017508×02 | 8.7-13 to 8.7-21 | |
| 8.8 | SYNTHESIZER BLOCK | WBL-32XXSYN | | 8.8-1 | 8.8-35 |
| | | | BLC-017046 | 8.8-2 to 8.8-9 | |
| | | | BLC-017044 | 8.8-10 to 8.8-34 | |
| 8.9 | OTHERS: MEMORY CARD | WBL-32XXMCRD | | 8.9-1 | — |
| | | | BLC-017047 | 8.9-2 | |
| | OTHERS: FREQUENCY STANDARD | WBL-32XXSTD | | 8.9-3 | — |
| | | | BLB-017041 | 8.9-3 | |
| | OTHERS: IF DETECTOR | | BLB-020417 | 8.9-4 to 8.9-5 | — |
| | OTHERS: IF BLOCK | WBL-3271PNL | | 8.9-6 | — |
| | | WBL-3265PNL | | 8.9-7 | |
| | | | BLD-017048 | 8.9-8 | |
| | OTHERS: REAR CONNECTOR | | BLD-021088 | 8.9-9 | — |

***CIRCUIT DIAGRAMS***

# CIRCUIT

| PARTS LIST | CIRCUIT LAYOUT | PARTS LAYOUT | BLOCK DIAGRAM | CIRCUIT DAIGRAM | |
|---|---|---|---|---|---|
| 8.1-1 | — | — | — | — | |
| 8.2-1 | 8.2-7 | — | — | — | |
| 8.2-2 | — | — | — | — | |
| 8.2-3 | | | | | |
| 8.2-4 | 8.8 | — | — | — | |
| 8.2-5 | — | — | — | — | |
| 8.2-6 | | | | | |
| 8.2-9 to 8.2-10 | — | — | — | — | |
| 8.2-11 to 8.2-12 | — | 8.2-13 | — | 8.2-14 to 8.2-16 | |
| 8.2-17 to 8.2-18 | 8.2-21 | 8.2-23 | 8.2-25 | 8.2-27 to 8.2-28 | |
| 8.2-19 to 8.2-20 | 8.2-22 | 8.2-24 | 8.2-26 | 8.2-29 to 8.2-30 | |
| 8.3-1 | 8.3-19 | 8.3-20 to 8.3-21 | 8.3-24 | — | Volume II |
| 8.3-2 to 8.3-3 | | | | 8.3-25 to 8.3-28 | |
| 8.3-4 | | | | 8.3-29 to 8.3-30 | |
| 8.3-5 to 8.3-8 | | | | 8.3-31 to 8.3-35 | |
| 8.3-9 to 8.3-10 | | | | 8.3-36 to 8.3-37 | |
| 8.3-11 | | 8.3-22 to 8.3-23 | | — | |
| 8.3-2 to 8.3-3 | | | | 8.3-25 to 8.3-28 | |
| 8.3-4 | | | | 8.3-29 to 8.3-30 | |
| 8.3-12 to 8.3-16 | | | | 8.3-38 to 8.3-42 | |
| 8.3-17 to 8.3-18 | | | | 8.3-43 to 8.3-44 | |
| 8.4-1 | 8.4-19 | 8.4-20 to 8.4-21 | 8.4-22 | — | |
| 8.4-2 to 8.4-18 | | | | 8.4-23 to 8.4-43 | |
| 8.5-1 | 8.5-23 | 8.5-24 to 8.5-25 | 8.5-26 to 8.5-28 | — | |
| 8.5-2 to 8.5-22 | | | | 8.5-29 to 8.5-55 | |
| 8.6-1 | — | 8.6-10 to 8.6-11 | — | — | |
| 8.6-2 to 8.6-9 | | | | 8.6-12 to 8.6-59 | |
| 8.7-1 | 8.7-22 | 8.7-23 to 8.7-24 | 8.7-25 to 8.7-26 | — | Volume III |
| 8.7-2 to 8.7-11 | | | | 8.7-27 to 8.7-53 | |
| 8.7-12 | | | | — | |
| 8.7-13 to 8.7-21 | | | | 8.7-54 to 8.7-80 | |
| 8.8-1 | 8.8-35 | 8.8-36 to 8.8-37 | 8.8-38 to 8.8-40 | — | |
| 8.8-2 to 8.8-9 | | | | 8.8-41 to 8.8-50 | |
| 8.8-10 to 8.8-34 | | | | 8.8-51 to 8.8-80 | |
| 8.9-1 | — | — | — | — | |
| 8.9-2 | | | | 8.9-10 | |
| 8.9-3 | — | — | — | — | |
| 8.9-3 | | | | 8.9-11 to 8.9-12 | |
| 8.9-4 to 8.9-5 | — | — | — | 8.9-13 to 8.9-15 | |
| 8.9-6 | — | — | — | — | |
| 8.9-7 | | | | — | |
| 8.9-8 | | | | 8.9-16 | |
| 8.9-9 | — | — | — | 8.9-17 to 8.9-18 | |

## < Circuit Board Interconnection >



**R3265A/3271A**
**MAIN FRAME**
**WFU-32XXE**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| | AAA-ME8E1JTR-1 | CRT | |
| | BLD-021088 | REAR CONNECTOR BOARD | |
| | DMF-002028-1 | FUN MOTOR | |
| | DPS-002552-1 | POWER SUPPLY | |
| C1 -2 | CSM-AGR1U50V-5 | FXD CER 0.1μF ±10% 50V | |
| C3 | CMC-AB22PR5K | FXD MICA 22pF ±5% 500WV | |
| C4 | CMC-AB100PR3K | FXD MICA 100pF ±5% 300WV | |
| CB1 | DCB-FF4320X24A-1 | UM-UM CABLE COAXIAL | |
| CB2 | DCB-FF4321X17A-1 | UM-UM CABLE COAXIAL | |
| CB3 | DCB-FF4320X32A-1 | UM-UM CABLE COAXIAL | |
| CB4 | DCB-FF4320X31A-1 | UM-UM CABLE COAXIAL | |
| CB5 | DCB-FF4320X18A-1 | UM-UM CABLE COAXIAL | |
| CB6 | DCB-FF4320X26A-1 | UM-UM CABLE COAXIAL | |
| CB7 | DCB-FF4320X30A-1 | UM-UM CABLE COAXIAL | |
| CB8 | DCB-FF4320X28A-1 | UM-UM CABLE COAXIAL | |
| CB9 | DCB-FF4321X22A-1 | UM-UM CABLE COAXIAL | |
| CB10 | DCB-FF4320X16A-1 | UM-UM CABLE COAXIAL | |
| CB11 | DCB-FF4320X22A-1 | UM-UM CABLE COAXIAL | |
| CB12 | DCB-FF4320X18A-1 | UM-UM CABLE COAXIAL | |
| CB13 | DCB-FF4320X29A-1 | UM-UM CABLE COAXIAL | |
| CB14 | DCB-FF4321X17A-1 | UM-UM CABLE COAXIAL | |
| CB16 | DCB-SS4306X02B-1 | CABLE ASSEMBLY | |
| CB18 | DCB-RR4307X03B-1 | CABLE ASSEMBLY | |
| CB19 | DCB-SS4311X02B-1 | CABLE ASSEMBLY | |
| CB22 | DCB-RR4315X01A-1 | CABLE ASSEMBLY | |
| CB24 | DCB-QS4684X01A-1 | CABLE ASSEMBLY | |
| CB26 | DCB-QS4689X01-1 | CABLE ASSEMBLY | |
| CB38 | DCB-FF4320X09A-1 | UM-UM CABLE COAXIAL | |
| SP1 | DEE-001937-1 | SPEAKER | |
| | | | |
| | | | |

**R3265A/3271A**
**RF BLOCK**
**WST-3271RF*NEW**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| | BLB-020655x02 | FM DRIVER BOARD | |
| | DHB-002866-1 | THD132 HARMONIC MIXER (ADVANTEST ORIGINAL) | |
| B1 | SHB-003192 | BIAS-TEE (ADVANTEST ORIGINAL) | |
| CB3 | DCB-FF6106X01-1 | SMA-SMA CABLE, COAXIAL | |
| CB4 | DCB-FF6373X01-1 | BNC-UM CABLE, COAXIAL | |
| CB6 | DCB-QS6307X01-1 | CABLE ASSEMBLY | |
| CB7 | DCB-SS6308X01-1 | CABLE ASSEMBLY | |
| CB8 | DCB-QS4688X02A-1 | CABLE ASSEMBLY | |
| CB9 | DCB-QS4309X02B-1 | CABLE ASSEMBLY | |
| CB10 | DCB-SS6315X01-1 | CABLE ASSEMBLY | |
| CB11 | DCB-FF4320X18A-1 | UM-UM CABLE, COAXIAL | |
| CB12 | DCB-RS6309X01-1 | CABLE ASSEMBLY | |
| CB13 | DCB-RS6310X01-1 | CABLE ASSEMBLY | |
| CB21 | DCB-FF6627X01-1 | SMA-SMA CABLE, COAXIAL | |
| CB22 | DCB-FF6628X01-1 | SMA-SMA CABLE, COAXIAL | |
| CB23 | DCB-FF4320X03A-1 | UM-UM CABLE, COAXIAL | |
| CB24 | DCB-FF6616X01-1 | SMA-SMA CABLE, COAXIAL | |
| CB26 | DCB-QS6353X01-1 | CABLE ASSEMBLY | |
| CB27 | DCB-QS6403X01-1 | CABLE ASSEMBLY | |
| F1 | DNF-002055 | TOP-2201A YTF (ADVANTEST ORIGINAL) | |
| FL1 | DEE-001166 | 4.2GHz COAXIAL LPF | |
| J1 | JCF-AA001JX34-5 | CONNECTOR | |
| J2 | JCI-AF003JX05-3 | CONNECTOR | |
| J3 | JCS-AV004JX01-1 | CONNECTOR | |
| J4 | JCF-AA001PX16-5 | CONNECTOR | |
| J5 | JCF-AA001JX12 | CONNECTOR | |
| R1 | RVR-EF100K | VAR 100K | |
| | | | |
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**R3265A/3271A**
**RF BLOCK**
**WBL-3X71*1ST**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| | BED-021089 | 1ST CONVERTER BOARD | |
| | DXY-002821-1 | TOP-1247 YTO (ADVANTEST ORIGINAL) | |
| | PHB-219240AA-1 | THP 578A TWF (ADVANTEST ORIGINAL) | |
| CB1 | DCB-QS6304X01-1 | CABLE ASSEMBLY | |
| CB2 | DCB-QS6306X01-1 | CABLE ASSEMBLY | |
| FL1 -8 | DNF-002558 | FILTER | |
| J1 -2 | JCF-AA001JX01 | CONNECTOR | |
| J3 | JCF-AA001JX05 | CONNECTOR | |
| J4 | JCF-AA001JX01 | CONNECTOR | |
| J5 | JCF-BD001JX05 | CONNECTOR | |
| J6 | JCF-AC001JX02 | CONNECTOR | |
| J7 | JCF-AA001JX80-5 | CONNECTOR | |
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**R3265A/3271A**
**RF BLOCK**
**WBL-ATT*WTN**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| | DAT-001882-2 | PROGRAMMABLE ATTENUETOR | |
| CB3 | DCB-FF6620X01-1 | SMA-SMA CABLE, COAXIAL | |
| CB4 | DCB-FF6621X01-1 | SMA-SMA CABLE, COAXIAL | |
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**R3265A/3271A**
**RF BLOCK**
**WST-3265RF*NEW**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| | BLB-020655 | FM DRIVER BOARD | |
| CB1 | DCB-FF6622X01-1 | SMA-SMA CABLE, COAXIAL | |
| CB2 | DCB-FF6624X01-1 | SMA-SMA CABLE, COAXIAL | |
| CB3 | DCB-FF6106X01-1 | SMA-SMA CABLE, COAXIAL | |
| CB4 | DCB-FF6373X01-1 | BNC-UM CABLE, COAXIAL | |
| CB5 | DCB-QS6305X01-1 | CABLE ASSEMBLY | |
| CB6 | DCB-QS6307X01-1 | CABLE ASSEMBLY | |
| CB7 | DCB-SS6308X01-1 | CABLE ASSEMBLY | |
| CB8 | DCB-QS4688X02A-1 | CABLE ASSEMBLY | |
| CB9 | DCB-QS4309X02B-1 | CABLE ASSEMBLY | |
| CB10 | DCB-SS6315X01-1 | CABLE ASSEMBLY | |
| CB11 | DCB-FF4320X18A-1 | UM-UM CABLE, COAXIAL | |
| CB12 | DCB-RS6309X01-1 | CABLE ASSEMBLY | |
| CB13 | DCB-RS6310X01-1 | CABLE ASSEMBLY | |
| CB27 | DCB-QS6403X01-1 | CABLE ASSEMBLY | |
| F1 | DNF-002925 | TOP-2202B YTF (ADVANTEST ORIGINAL) | |
| FL1 | DEE-001166 | 4.2GHz COAXIAL LPF | |
| J1 | JCF-AA001JX45-1 | CONNECTOR | |
| J2 | JCI-AF003JX05-3 | CONNECTOR | |
| J3 | JCS-AV004JX01-1 | CONNECTOR | |
| R1 | RVR-EF100K | VAR 100K | |
| | | | |
| | | | |
| | | | |

**R3265A/3271A**
**RF BLOCK**
**WBL-3X65*1ST**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| | BED-020656 | 1ST CONVERTER BOARD | |
| | DXY-002821-1 | TOP-1247 YTO (ADVANTEST ORIGINAL) | |
| | PHB-219240AA-1 | THP578A TWF (ADVANTEST ORIGINAL) | |
| CB1 | DCB-QS6304X01-1 | CABLE ASSEMBLY | |
| CB2 | DCB-QS6306X01-1 | CABLE ASSEMBLY | |
| FL1 -5 | DNF-002558 | FILTER | |
| J1 -2 | JCF-AA001JX01 | CONNECTOR | |
| J3 | JCF-AA001JX05 | CONNECTOR | |
| J5 | JCF-BD001JX05 | CONNECTOR | |
| J7 | JCF-AA001JX80-5 | CONNECTOR | |
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**R3265A/3271A**
**RF BLOCK**
**WBL-ATT*HRS**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| | DAT-001936 | PROGRAMMABLE ATTENUETOR | |
| CB1 | DCB-FF6618X01-1 | SMA-SMA CABLE, COAXIAL | |
| CB2 | DCB-FF6619X01-1 | SMA-SMA CABLE, COAXIAL | |
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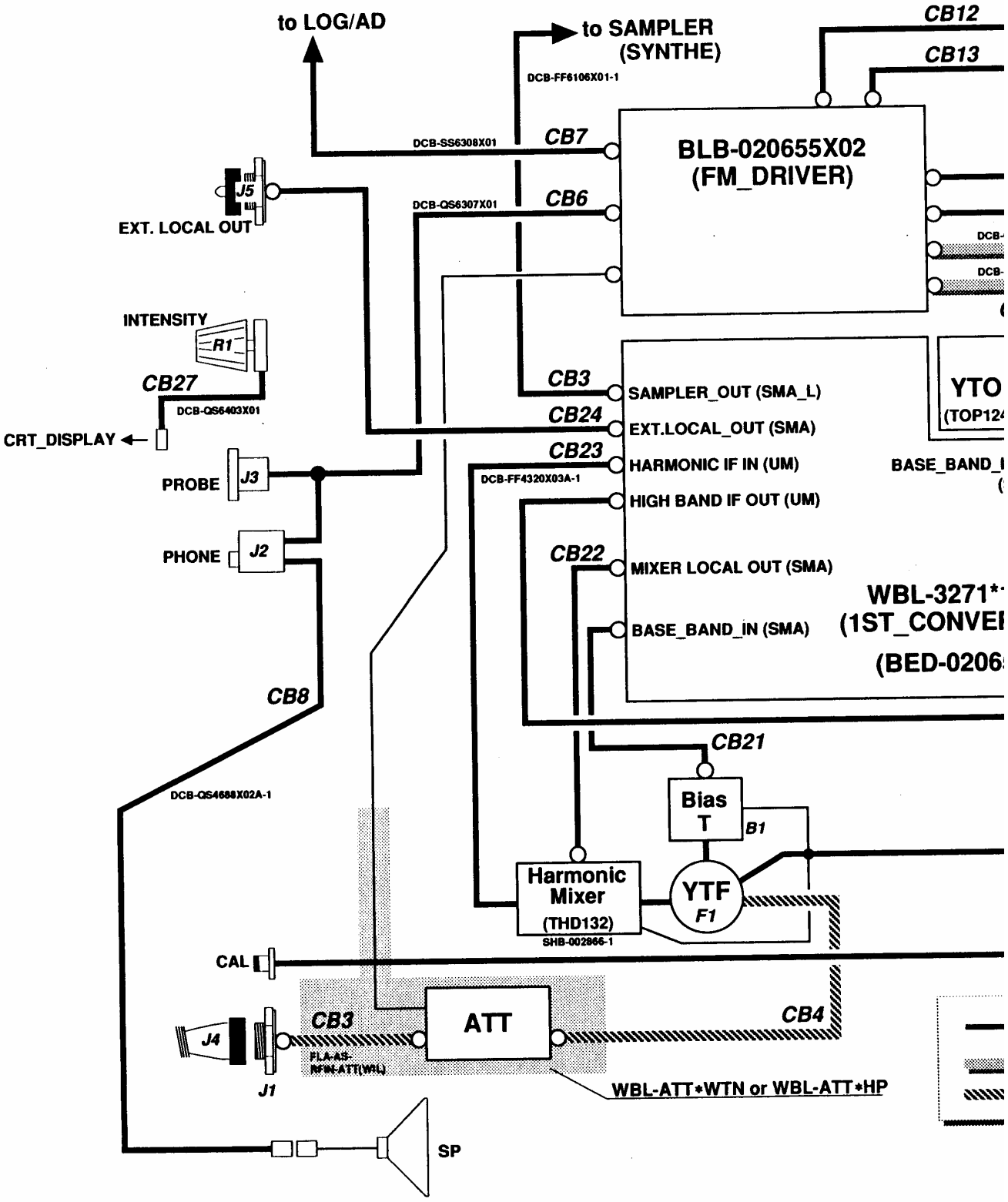
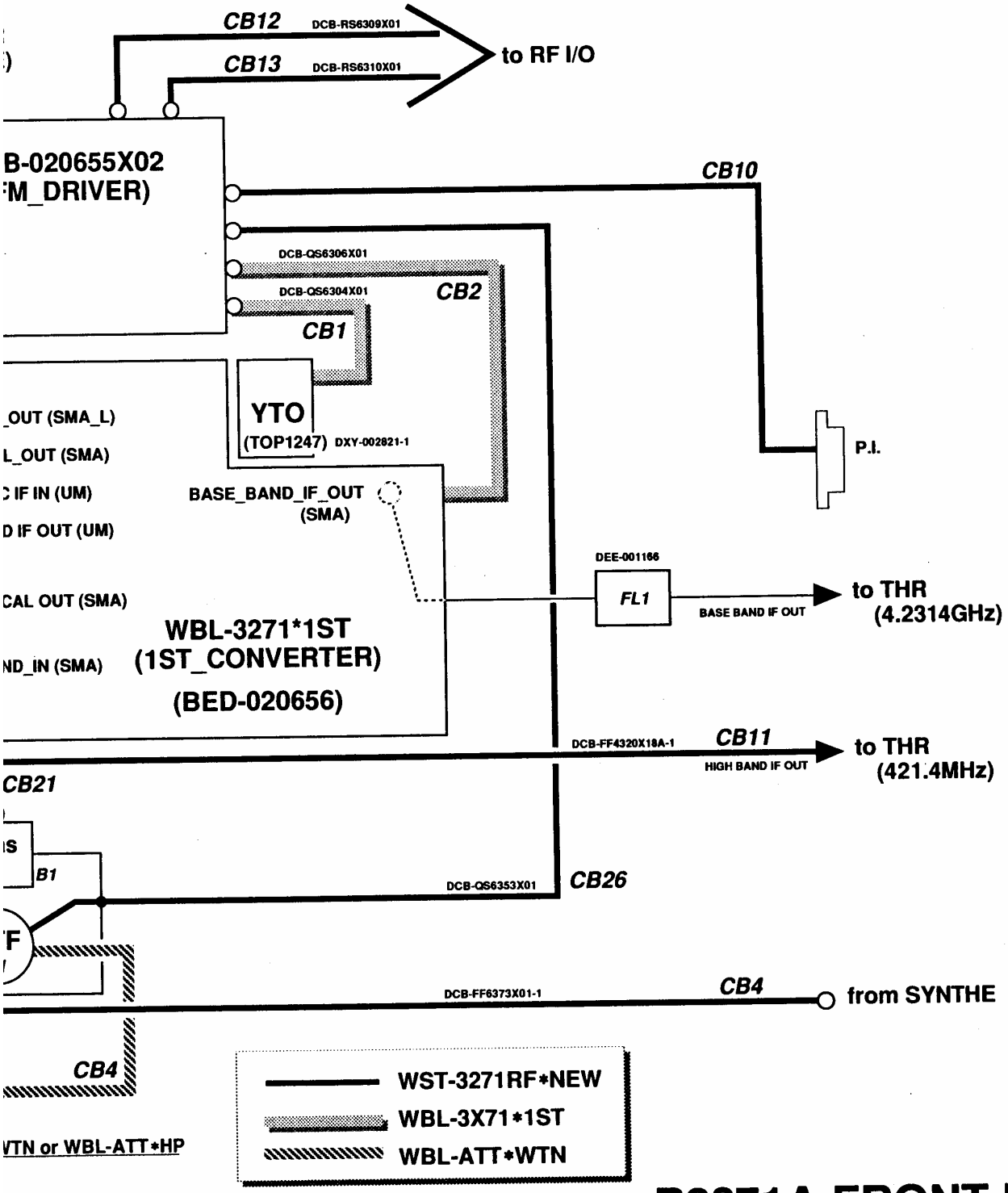
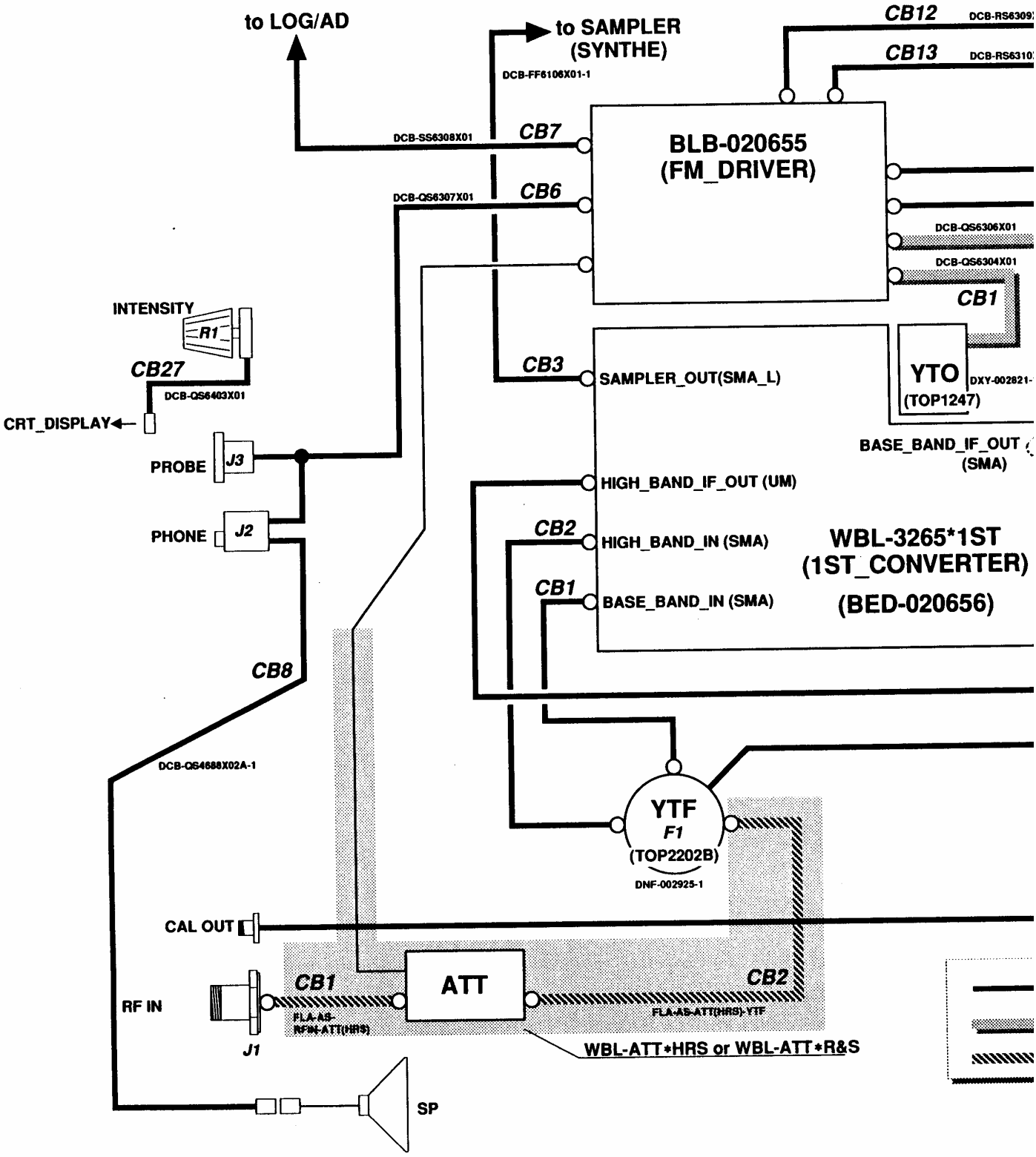
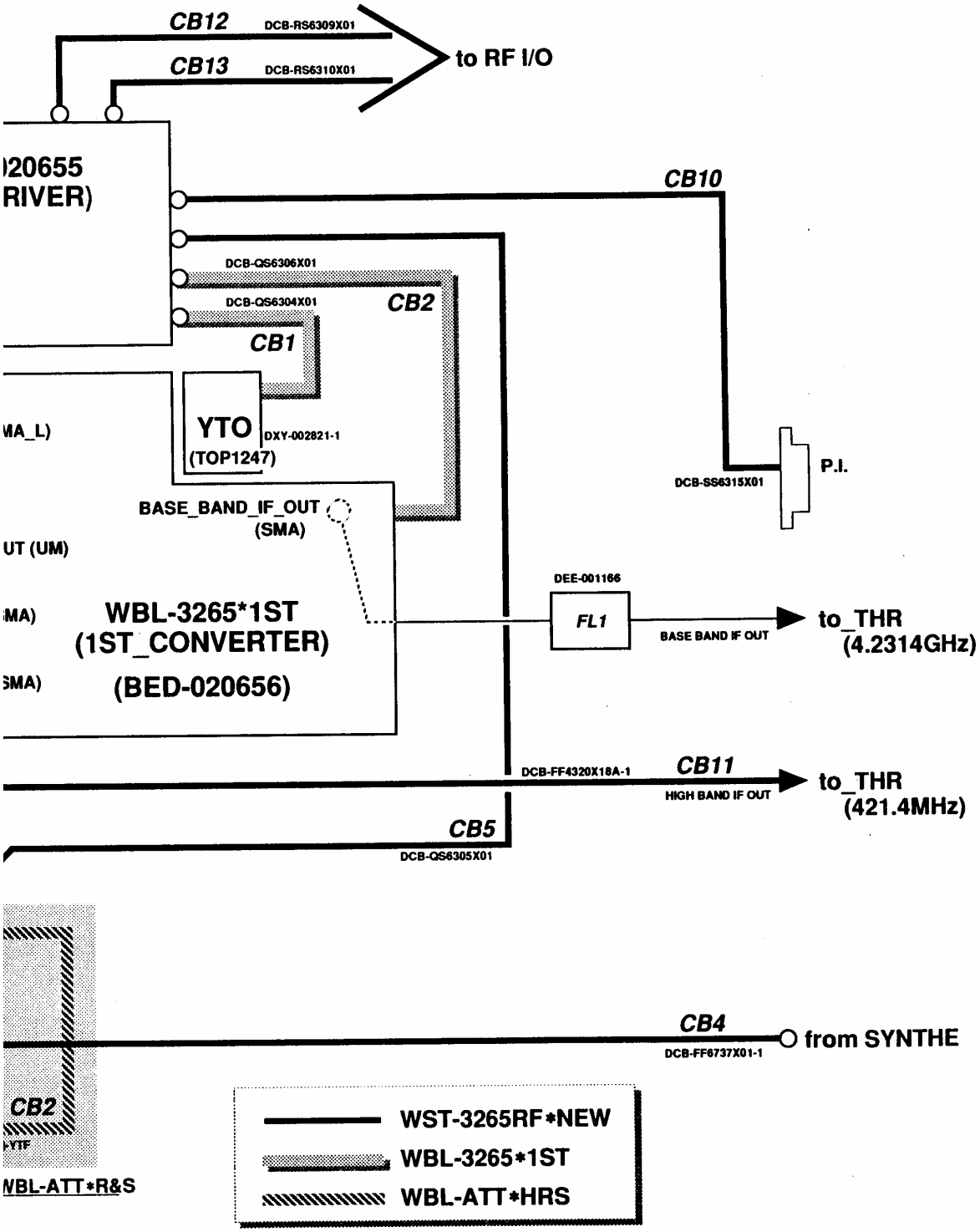

to LOG/AD
to SAMPLER
(SYNTHE)
DCB-FF6106X01-1
CB12
CB13
DCB-SS6308X01
CB7
BLB-020655X02
(FM_DRIVER)
J5
EXT. LOCAL OUT
DCB-QS6307X01
CB6
INTENSITY
R1
CB27
DCB-QS6403X01
CRT_DISPLAY
CB3
SAMPLER_OUT (SMA_L)
CB24
EXT.LOCAL_OUT (SMA)
CB23
HARMONIC IF IN (UM)
DCB-FF4320X03A-1
HIGH BAND IF OUT (UM)
PROBE
J3
PHONE
J2
CB22
MIXER LOCAL OUT (SMA)
BASE_BAND_IN (SMA)
WBL-3271*
(1ST_CONVE
(BED-0206
CB8
CB21
DCB-QS4688X02A-1
Bias
T
B1
Harmonic
Mixer
(THD132)
SHB-002866-1
YTF
F1
CAL
CB3
ATT
CB4
J4
J1
WBL-ATT*WTN or WBL-ATT*HP
SP




# R3271A FRONT END
## (WST-3271RF*NEW)


to LOG/AD
to SAMPLER
(SYNTHE)
DCB-FF6106X01-1
CB12
DCB-RS6309
CB13
DCB-RS6310
DCB-SS6308X01
CB7
BLB-020655
(FM_DRIVER)
DCB-QS6307X01
CB6
DCB-QS6306X01
DCB-QS6304X01
CB1
INTENSITY
R1
CB27
DCB-QS6403X01
CRT_DISPLAY
CB3
SAMPLER_OUT(SMA_L)
YTO
(TOP1247)
DXY-002821-
BASE_BAND_IF_OUT
(SMA)
PROBE
J3
HIGH_BAND_IF_OUT (UM)
PHONE
J2
CB2
HIGH_BAND_IN (SMA)
WBL-3265*1ST
(1ST_CONVERTER)
CB1
BASE_BAND_IN (SMA)
(BED-020656)
CB8
DCB-QS4688X02A-1
YTF
F1
(TOP2202B)
DNF-002925-1
CAL OUT
CB1
ATT
CB2
RF IN
FLA-AS-
RFIN-ATT(HRS)
FLA-AS-ATT(HRS)-YTF
J1
WBL-ATT*HRS or WBL-ATT*R&S
SP




# R3265A FRONT END
## (WST-3265RF*NEW)

**R3265A/3271A**
**FM DRIVER**
**BLB-020655X02**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| C1 | CCP-ACR5P50V | FXD CHIP 0.5pF ±0.25pF 50V | |
| C2 -4 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C5 | CCP-BA1P50V | FXD CHIP 1pF ±0.25pF 50V | |
| C6 -10 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C11 | CCP-BA470P50V | FXD CHIP 470pF ±5% 50V | |
| C12 | CCP-BA1P50V | FXD CHIP 1pF ±0.25pF 50V | |
| C13 -16 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C17 | CCP-BA470P50V | FXD CHIP 470pF ±5% 50V | |
| C18 | CCP-BA2P50V | FXD CHIP 2pF ±0.25pF 50V | |
| C19 | CCP-BA100P50V | FXD CHIP 100pF ±10% 50V | |
| C20 -23 | CCP-BA2P50V | FXD CHIP 2pF ±0.25pF 50V | |
| C24 | CCP-BA5P50V | FXD CHIP 5pF ±0.25pF 50V | |
| C30 | CCP-BA1P50V | FXD CHIP 1pF ±0.25pF 50V | |
| D1 | SDS-DMJ4317 | DIODE SI | |
| D2 | SCD-MA40446-1 | DIODE | |
| D3 | SDZ-M039 | ZENER DIODE | |
| L1 -2 | LCL-E01568-1 | COIL | |
| L3 -6 | LCL-A00670 | COIL (CUSTOM DEVICE) | |
| Q1 | STP-2SA812 | TRANSISTOR PNP | |
| Q2 | SCF-MGF4914D-1 | FET | |
| Q3 | STP-2SA812 | TRANSISTOR PNP | |
| Q4 | SCF-MGF4914D-1 | FET | |
| R1 -2 | RCP-BC82 | FXD CHIP 82Ω ±0.5% 1/16W | |
| R3 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R4 | RCP-BC270 | FXD CHIP 270Ω ±0.5% 1/16W | |
| R5 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R6 | RCP-BC1K | FXD CHIP 1kΩ ±0.5% 1/16W | |
| R7 | RCP-BC10 | FXD CHIP 10Ω ±0.5% 1/16W | |
| R9 -10 | RCP-BC1K | FXD CHIP 1kΩ ±0.5% 1/16W | |
| R11 -12 | RCP-BC10 | FXD CHIP 10Ω ±0.5% 1/16W | |
| R13 | RCP-BC1K | FXD CHIP 1kΩ ±0.5% 1/16W | |
| R14 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R15 -17 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R18 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R19 | RCP-BC39 | FXD CHIP 39kΩ ±0.5% 1/16W | |
| R20 -21 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R22 -24 | RCP-BC10K | FXD CHIP 10kΩ ±0.5% 1/16W | |
| R25 | RCP-BC1R8K | FXD CHIP 1.8kΩ ±0.5% 1/16W | |
| R26 | RCP-BC2R7K | FXD CHIP 2.7kΩ ±0.5% 1/16W | |
| R27 -28 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |

**R3265A/3271A**
**FM DRIVER**
**BLB-020655X02**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| R29 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R30 | RCP-BC180 | FXD CHIP 180Ω ±0.5% 1/16W | |
| R31 | RCP-BC27 | FXD CHIP 27Ω ±0.5% 1/16W | |
| R32 | RCP-BC180 | FXD CHIP 180Ω ±0.5% 1/16W | |
| R33 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R34 | RCP-BC39 | FXD CHIP 39Ω ±0.5% 1/16W | |
| R35 -36 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R37 -38 | RCP-BC10K | FXD CHIP 10kΩ ±0.5% 1/16W | |
| R39 | RCP-BC1R8K | FXD CHIP 1.8kΩ ±0.5% 1/16W | |
| R40 | RCP-BC2R7K | FXD CHIP 2.7kΩ ±0.5% 1/16W | |
| R41 -42 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |
| R43 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R44 -45 | RCP-BC360 | FXD CHIP 360Ω ±0.5% 1/16W | |
| R46 | RCP-BC27 | FXD CHIP 27Ω ±0.5% 1/16W | |
| R47 -48 | RCP-BC360 | FXD CHIP 360Ω ±0.5% 1/16W | |
| R49 -50 | RCP-BC91 | FXD CHIP 91Ω ±0.5% 1/16W | |
| R51 -52 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R53 | RCP-BC430 | FXD CHIP 430Ω ±0.5% 1/16W | |
| R54 | RCP-BC22 | FXD CHIP 22Ω ±0.5% 1/16W | |
| R55 | RCP-BC430 | FXD CHIP 430Ω ±0.5% 1/16W | |
| R56 | RCP-BC180 | FXD CHIP 180Ω ±0.5% 1/16W | |
| R57 | RCP-BC27 | FXD CHIP 27Ω ±0.5% 1/16W | |
| R58 | RCP-BC180 | FXD CHIP 180Ω ±0.5% 1/16W | |
| R59 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |
| R60 | RCP-BC20 | FXD CHIP 20Ω ±0.5% 1/16W | |
| R61 | RCP-BC20 | FXD CHIP 20Ω ±0.5% 1/16W | |
| R62 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |
| R70 | RCP-BC22 | FXD CHIP 22Ω ±0.5% 1/16W | |
| R71 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| U1 | SIA-MAAM28000-1 | MMIC AMPLIFIER GaAs | |
| U2 | SIA-018R2*01 | MMIC SWITCH | |
| U3 | SIA-UPG110B | AMPLIFIER GaAs | |
| | | | |

**R3265A/3271A**
**FM DRIVER**
**BLB-020655**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| C2 -3 | CCK-CH33U25V | FXD CHIP 33μF ±20% 25V | |
| C4 -5 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C8 | CTA-AS3R3U16V | FXD TA 3.3μF ±20% 16V | |
| C9 | CFM-AS4700P50V | FXD FILM 4700pF ±10% 50V | |
| C10 | CCK-CH33U25V | FXD CHIP 33μF ±20% 25V | |
| C11 | CFM-ASR033U50V | FXD FILM 0.033μF ±10% 50V | |
| C12 | CCK-CH33U25V | FXD CHIP 33μF ±20% 25V | |
| C13 -14 | CCK-CH47U16V | FXD CHIP 47μF ±20% 16V | |
| C15 | CCK-CH33U25V | FXD CHIP 33μF ±20% 25V | |
| C16 -18 | CCP-TCR1U50V | FXD CHIP 0.1μF ±80%-20% 50V | |
| D1 -4 | SDZ-RD5R1P | ZENER DIODE | |
| FL1 -2 | DNF-002727 | EMI FILTER | |
| FL3 -4 | DNF-002279-1 | CHIP EMI FILTER | |
| J1 | JCS-EP020PX03 | CONNECTOR | |
| J2 | JCS-EP022PX03 | CONNECTOR | |
| J3 | JCS-EP006PX03 | CONNECTOR | |
| J4 | JCS-DN002PX02 | CONNECTOR | |
| J5 | JCS-EP014PX03 | CONNECTOR | |
| J6 | JCS-EP006PX03 | CONNECTOR | |
| J7 | JCS-EP012PX03 | CONNECTOR | |
| J8 | JCS-EP006PX03 | CONNECTOR | |
| J9 | JCS-EP008PX03 | CONNECTOR | |
| J10 | JCS-EP006X03 | CONNECTOR | |
| J11 | JCS-EP010PX03 | CONNECTOR | |
| J12 | JCR-AC010PZ05-1 | CONNECTOR | |
| J14 | JCI-DN014JX01-1 | CONNECTOR | |
| J15 | JCR-AC010PX05-1 | CONNECTOR | |
| J16 | JCS-EP004PX03 | CONNECTOR | |
| L1 -5 | LCL-E01441 | COIL CHIP 100μH ±10% | |
| L10 | LCL-E01441 | COIL CHIP 100μH ±10% | |
| Q1 | STN-2SD1005-1 | TRANSISTOR NPN | |
| Q2 | STN-2SC2712 | TRANSISTOR NPN | |
| Q3 | STP-2SB804-1 | TRANSISTOR PNP | |
| Q4 | STN-2SD1511 | TRANSISTOR NPN | |
| R1 -4 | RCP-BC1K | FXD CHIP 1kΩ ±0.5% 1/16W | |
| R5 | RCP-BC10K | FXD CHIP 10kΩ ±0.5% 1/16W | |
| R6 | RCP-AS100 | FXD CHIP 100Ω | |
| R7 | RCP-BC18K | FXD CHIP 18kΩ ±0.5% 1/16W | |
| R8 | RCP-AS100 | FXD CHIP 100Ω | |
| R9 | RCP-BC4R7K | FXD CHIP 4.7kΩ ±0.5% 1/16W | |

**R3265A/3271A**
**FM DRIVER**
**BLB-020655**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| R10 | RCP-BC10K | FXD CHIP 10kΩ ±0.25pF 50V | |
| R11 -15 | RCP-BC4R7K | FXD CHIP 4.7kΩ ±0.5% 1/16W | |
| R16 | RPW-AY100 | FXD METAL 100Ω ±1% 10W | |
| R17 | RCP-BC10K | FXD CHIP 10kΩ ±0.5% 1/16W | |
| R18 -20 | RCP-BC470 | FXD CHIP 470Ω ±0.5% 1/16W | |
| R21 | RCP-BC1K | FXD CHIP 1kΩ ±0.5% 1/16W | |
| R22 | RCP-BC3R9K | FXD CHIP 3.9kΩ ±0.5% 1/16W | |
| R23 -24 | RCP-BC4R7K | FXD CHIP 4.7kΩ ±0.5% 1/16W | |
| R25 | RCP-BC10K | FXD CHIP 10kΩ ±0.5% 1/16W | |
| R26 -27 | RCP-BC4R7K | FXD CHIP 4.7kΩ ±0.5% 1/16W | |
| R28 | RCP-BC10K | FXD CHIP 10kΩ ±0.5% 1/16W | |
| U1 | SIT-74LS04S | INVERTER | |
| U2 | SIA-33078S | OP AMP LOW NOISE | |
| U3 | SIT-62083-1 | DARLINGTON DRIVER | |
| U6 -7 | SIA-TL072CPS | OP AMP LOW NOISE | |
| | | | |
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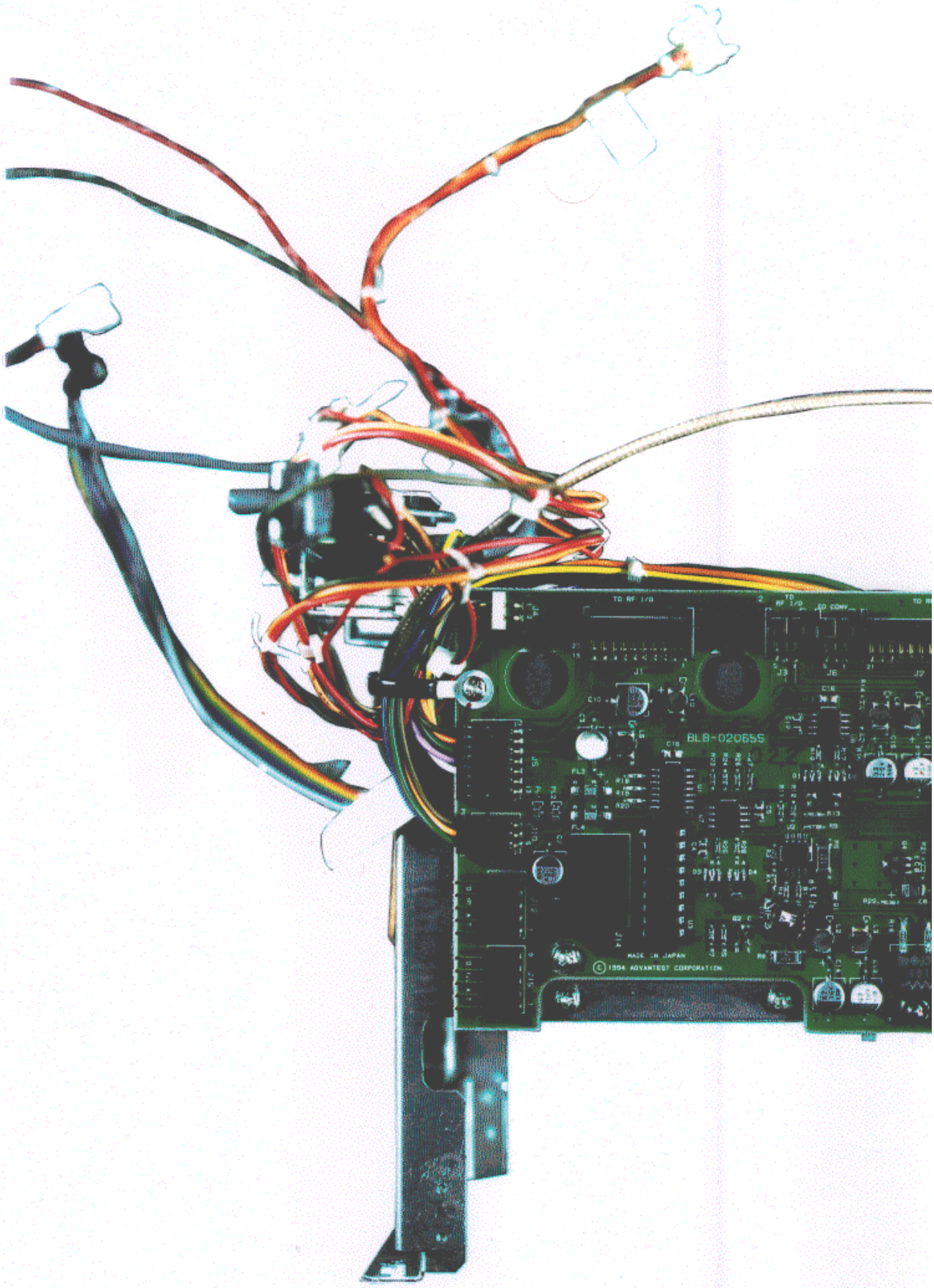
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TO CONV
BLB-020655
MADE IN JAPAN
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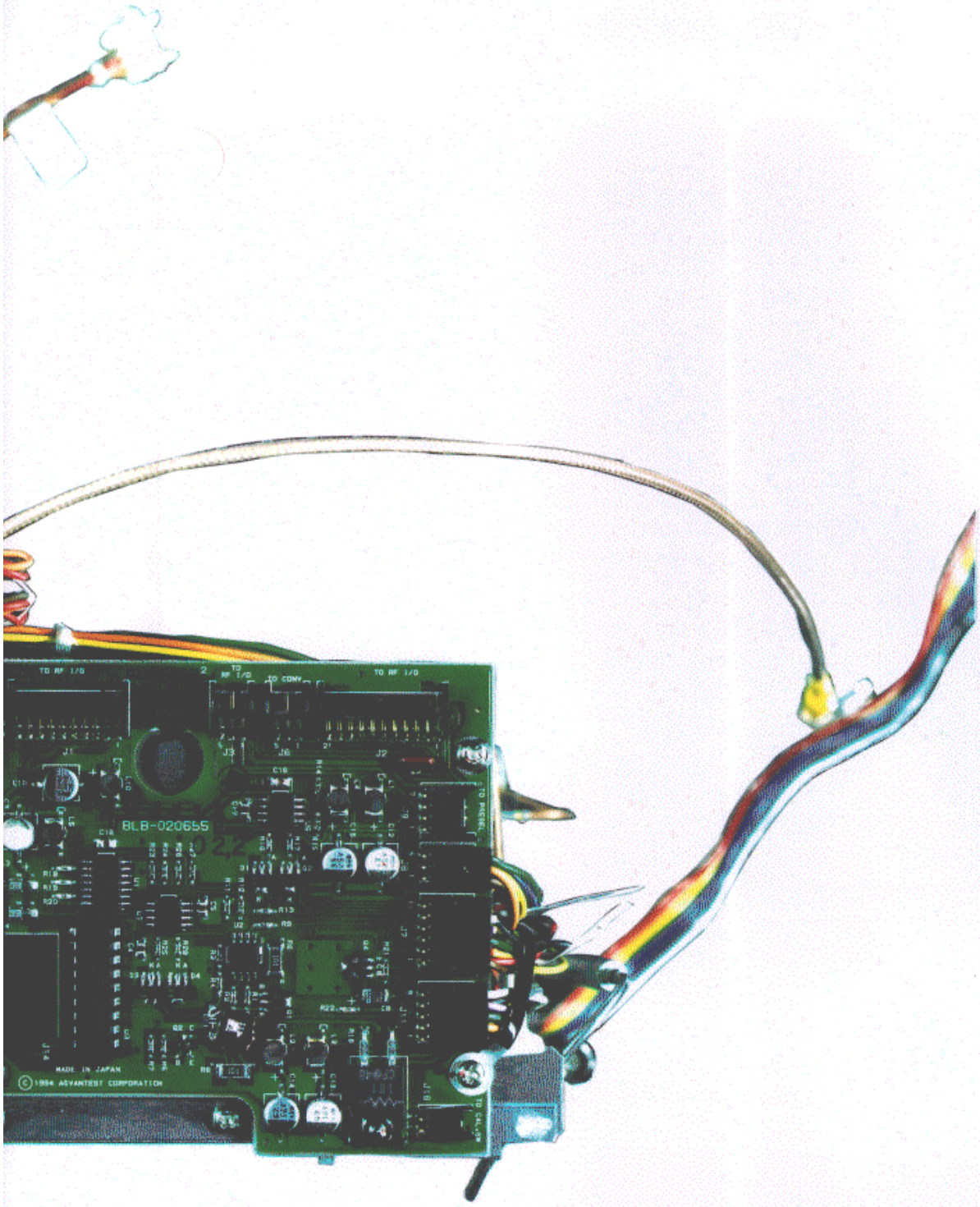
TO RF I/O
TO RF I/O
TO CONV
8LB-020655
MADE IN JAPAN
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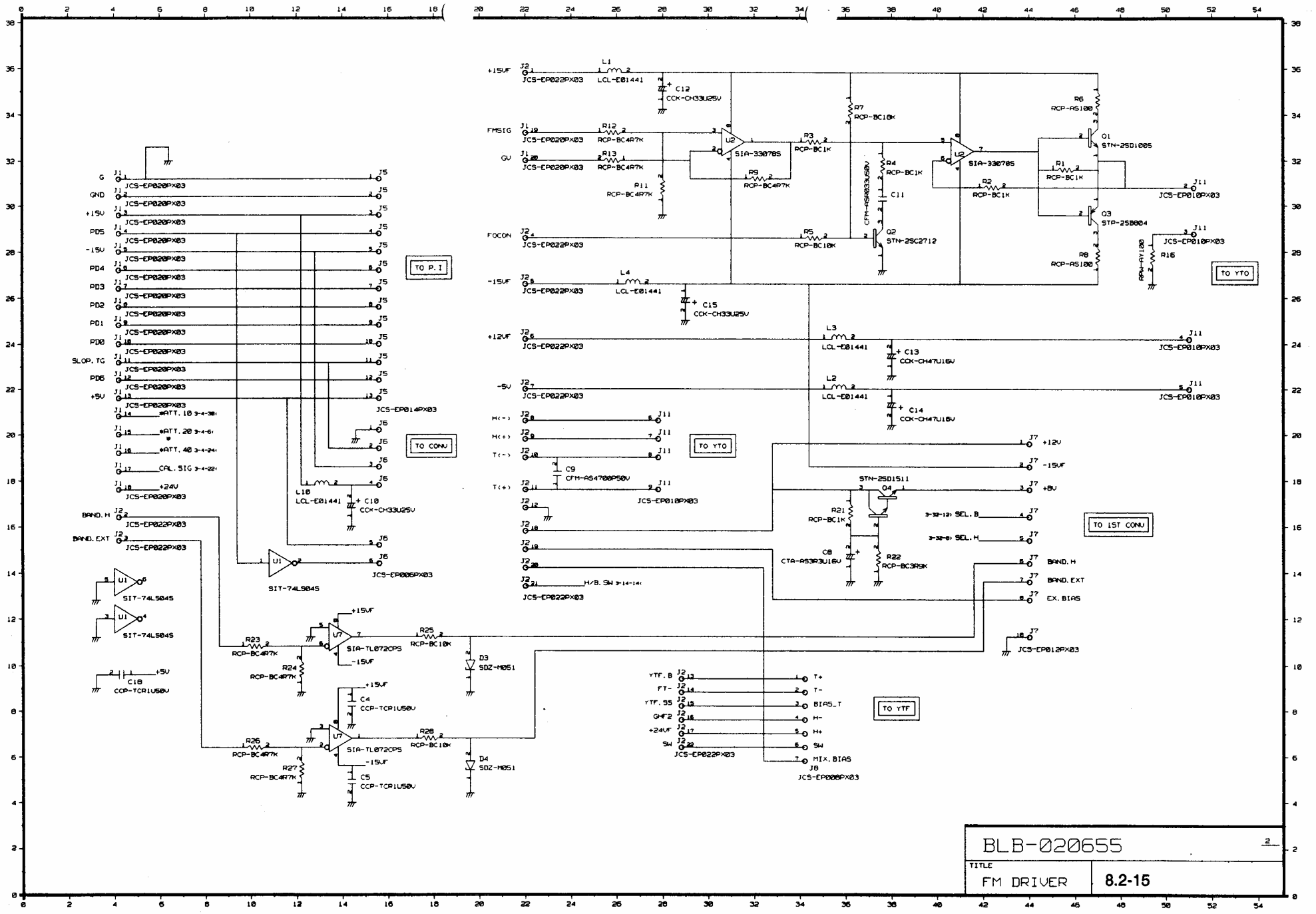
FM DRIVER

## 1. DRAWING DIRECTORY

| NAME | PAGE | DRG. NO. |
|---|---|---|
| SIGNAL LIST | | CS3-8237208CA |
| PARTS LIST | | CP3-8237209CA |
| CIRCUIT DRAWING | 01 | CA3-8237210CA |
| | 02 | CA3-8237210CA |
| | 03 | CA3-8237210CA |
| | 04 | CA3-8237210CA |

BLB-020655 1

TITLE FM DRIVER 8.2-14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TO CONV
TO YTO
TO YTO
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TO YTF
SIT-74LS04S
SIA-TL072CPS
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SIA-33078S
SIA-33078S
STN-2SC2712
STN-2SD1005
STP-25B004
STN-2SD1511
JCS-EP014PX03
JCS-EP020PX03
JCS-EP022PX03
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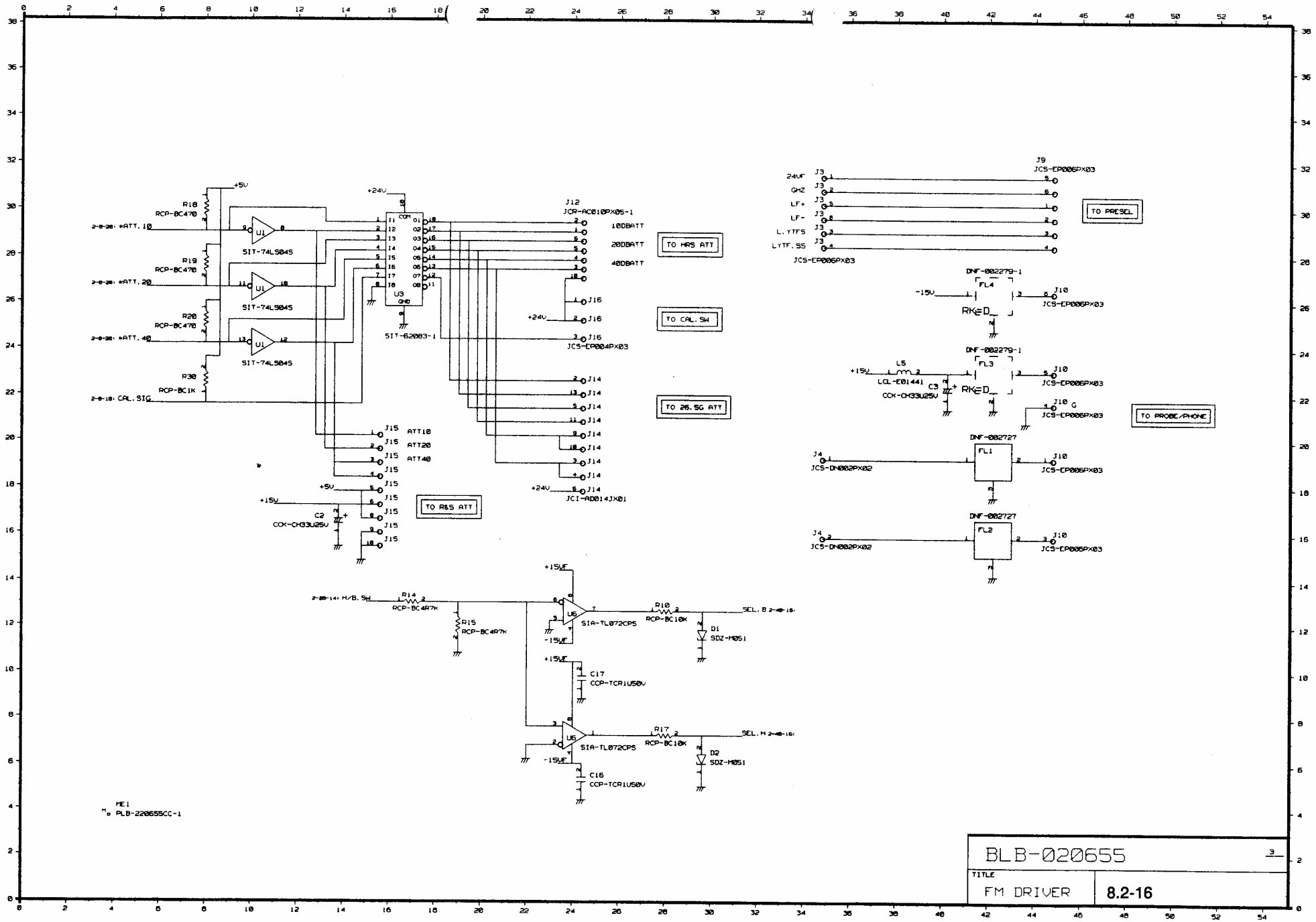
BLB-020655
FM DRIVER
8.2-15


+5V
+24V
R18
RCP-BC470
R19
RCP-BC470
R20
RCP-BC470
R30
RCP-BC1K
U1
SIT-74LS04S
U3
SIT-62003-1
J12
JCR-AC010PX05-1
10DBATT
20DBATT
40DBATT
TO MRS ATT
TO CAL. SW
TO 26.5G ATT
TO R&S ATT
J16
JCS-EP004PX03
J14
JCI-AD014JX01
J15
ATT10
ATT20
ATT40
C2
COX-CH33U25V
U5
SIA-TL072CPS
R14
RCP-BC4R7K
R15
RCP-BC4R7K
R10
RCP-BC10K
R17
RCP-BC10K
D1
SDZ-M051
D2
SDZ-M051
C17
CCP-TCR1U50V
C16
CCP-TCR1U50V
-15V
J9
JCS-EP006PX03
TO PRESEL
J10
JCS-EP006PX03
DNF-002279-1
FL4
FL3
FL1
FL2
RKED
L5
LQL-E01441
C3
CCX-CH33U25V
TO PROBE/PHONE
DNF-002727
J4
JCS-DN002PX02
ME1
PLB-220655CC-1
BLB-020655
3
TITLE
FM DRIVER
8.2-16

**R3265A/3271A**
**1st CONVERTER**
**BED-021089**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| C1 | CCP-ACR5P50V | FXD | CHIP | 0.5pF | ±0.25pF | 50V | |
| C2 -4 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C5 | CCP-BA1P50V | FXD | CHIP | 1pF | ±0.25pF | 50V | |
| C6 -10 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C11 | CCP-BA470P50V | FXD | CHIP | 470pF | ±5% | 50V | |
| C12 | CCP-BA1P50V | FXD | CHIP | 1pF | ±0.25pF | 50V | |
| C13 -16 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C17 | CCP-BA470P50V | FXD | CHIP | 470pF | ±5% | 50V | |
| C18 | CCP-BA2P50V | FXD | CHIP | 2pF | ±0.25pF | 50V | |
| C19 | CCP-BA100P50V | FXD | CHIP | 100pF | ±10% | 50V | |
| C20 | CCP-BA2P50V | FXD | CHIP | 2pF | ±0.25pF | 50V | |
| C25 | CCP-BA2P50V | FXD | CHIP | 2pF | ±0.25pF | 50V | |
| C26 | CCP-BA5P50V | FXD | CHIP | 5pF | ±0.25pF | 50V | |
| C27 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C28 | CCP-BA2P50V | FXD | CHIP | 2pF | ±0.25pF | 50V | |
| C29 | CCP-BA5P50V | FXD | CHIP | 5pF | ±0.25pF | 50V | |
| C30 | CCP-BA1P50V | FXD | CHIP | 1pF | ±0.25pF | 50V | |
| C31 -32 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| D1 | SDS-DMJ4317 | DIODE SI | | | | | |
| D3 | SDZ-M039 | ZENER DIODE | | | | | |
| L1 -2 | LCL-E01568-1 | COIL | | | | | |
| L7 | LCL-A00670 | COIL (CUSTOM DEVICE) | | | | | |
| L8 | LCL-E01106 | COIL | | 68$\mu$H | ±20% | READLESS INDUCTOR | |
| L9 -10 | LCL-A00670 | COIL (CUSTOM DEVICE) | | | | | |
| Q1 | STP-2SA812 | TRANSISTOR | | PNP | | | |
| Q2 | SCF-MGF4914D-1 | FET | | | | | |
| Q3 | STP-2SA812 | TRANSISTOR | | PNP | | | |
| Q4 | SCF-MGF4914D-1 | FET | | | | | |
| R1 -2 | RCP-BC82 | FXD | CHIP | 82Ω | ±0.5% | 1/16W | |
| R3 | RCP-BC100 | FXD | CHIP | 100Ω | ±0.5% | 1/16W | |
| R4 | RCP-BC270 | FXD | CHIP | 270Ω | ±0.5% | 1/16W | |
| R5 | RCP-BC100 | FXD | CHIP | 100Ω | ±0.5% | 1/16W | |
| R6 | RCP-BC1K | FXD | CHIP | 1kΩ | ±0.5% | 1/16W | |
| R7 -8 | RCP-BC10 | FXD | CHIP | 10Ω | ±0.5% | 1/16W | |
| R9 | RCP-BC1K | FXD | CHIP | 1kΩ | ±0.5% | 1/16W | |
| R14 | RCP-BC150 | FXD | CHIP | 150Ω | ±0.5% | 1/16W | |
| R15 -17 | RCP-BC100 | FXD | CHIP | 100Ω | ±0.5% | 1/16W | |
| R18 | RCP-BC150 | FXD | CHIP | 150Ω | ±0.5% | 1/16W | |
| R19 | RCP-BC39 | FXD | CHIP | 39Ω | ±0.5% | 1/16W | |
| R20 -21 | RCP-BC150 | FXD | CHIP | 150Ω | ±0.5% | 1/16W | |

**R3265A/3271A**
**1st CONVERTER**
**BED-021089**

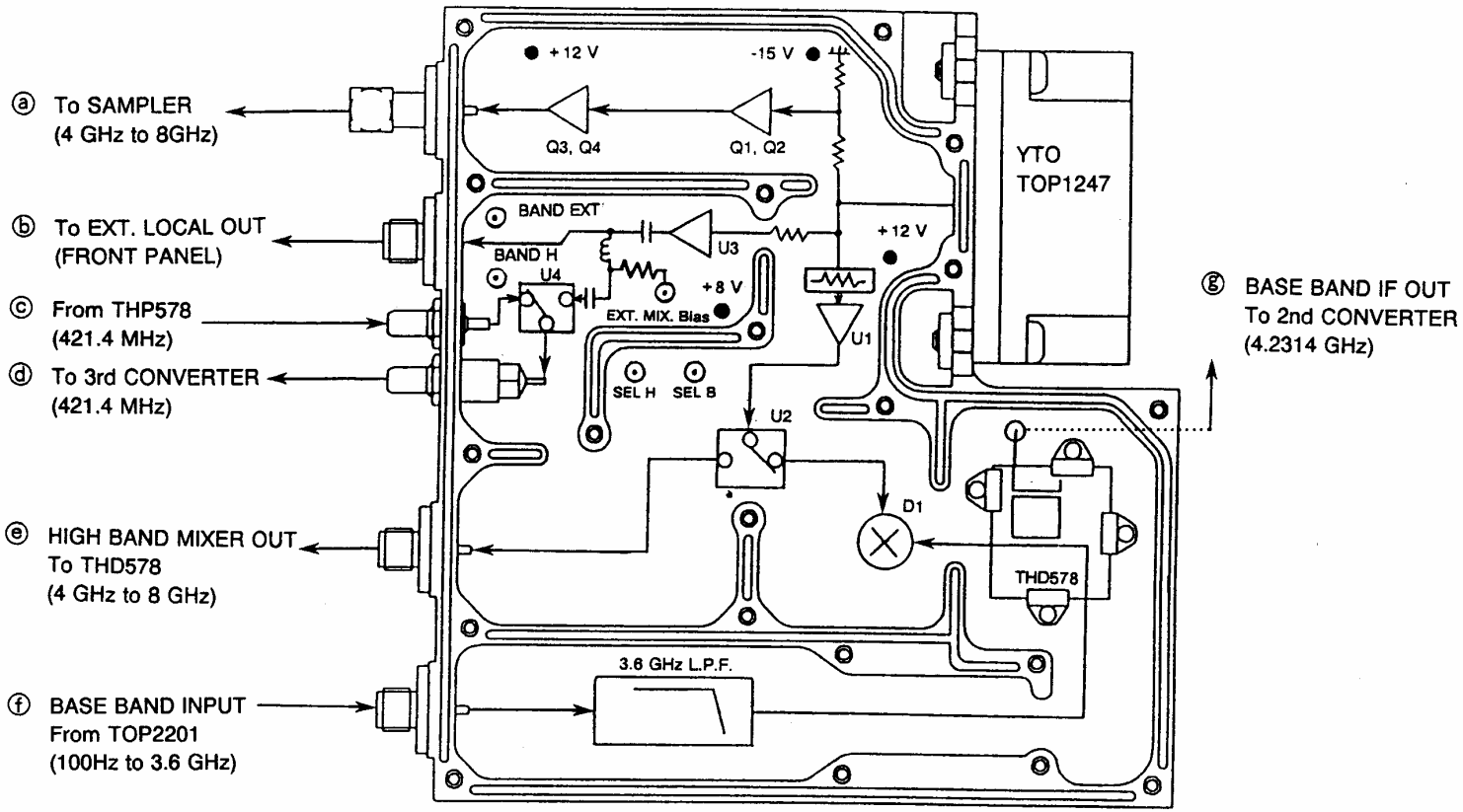
| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| R22 -24 | RCP-BC10K | FXD CHIP 10kΩ ±0.5% 1/16W | |
| R25 | RCP-BC1R8K | FXD CHIP 1.8kΩ ±0.5% 1/16W | |
| R26 | RCP-BC2R7K | FXD CHIP 2.7kΩ ±0.5% 1/16W | |
| R27 -28 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |
| R29 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R30 | RCP-BC180 | FXD CHIP 180Ω ±0.5% 1/16W | |
| R31 | RCP-BC27 | FXD CHIP 27Ω ±0.5% 1/16W | |
| R32 | RCP-BC180 | FXD CHIP 180Ω ±0.5% 1/16W | |
| R33 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R34 | RCP-BC39 | FXD CHIP 39Ω ±0.5% 1/16W | |
| R35 -36 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R37 -38 | RCP-BC10K | FXD CHIP 10kΩ ±0.5% 1/16W | |
| R39 | RCP-BC1R8K | FXD CHIP 1.8kΩ ±0.5% 1/16W | |
| R40 | RCP-BC2R7K | FXD CHIP 2.7kΩ ±0.5% 1/16W | |
| R41 -42 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |
| R43 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R44 -45 | RCP-BC360 | FXD CHIP 360Ω ±0.5% 1/16W | |
| R46 | RCP-BC27 | FXD CHIP 27Ω ±0.5% 1/16W | |
| R47 -48 | RCP-BC360 | FXD CHIP 360Ω ±0.5% 1/16W | |
| R49 -50 | RCP-BC91 | FXD CHIP 91Ω ±0.5% 1/16W | |
| R51 -52 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R53 | RCP-BC430 | FXD CHIP 430Ω ±0.5% 1/16W | |
| R54 | RCP-BC22 | FXD CHIP 22Ω ±0.5% 1/16W | |
| R55 | RCP-BC430 | FXD CHIP 430Ω ±0.5% 1/16W | |
| R59 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |
| R60 | RCP-BC20 | FXD CHIP 20Ω ±0.5% 1/16W | |
| R61 | RCP-BC20 | FXD CHIP 20Ω ±0.5% 1/16W | |
| R62 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |
| R63 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/10W | |
| R64 | RCP-BC1K | FXD CHIP 1kΩ ±0.5% 1/10W | |
| R65 -66 | RCP-BC10 | FXD CHIP 10Ω ±0.5% 1/10W | |
| R67 | RCP-BC1K | FXD CHIP 1kΩ ±0.5% 1/10W | |
| R70 | RCP-BC22 | FXD CHIP 22Ω* ±0.5% 1/10W | |
| R71 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/10W | |
| U1 | SIA-MAAM28000-1 | MMIC AMPLIFIER GaAs | |
| U2 | SIA-018R2A801 | MMIC SWITCH | |
| U3 | SIA-UPG110B | AMPLIFIER GaAs | |
| U4 | SIA-UPG131S | SPDT SWITCH GaAs | |

**R3265A/3271A**
**1st CONVERTER**
**BED-020656**

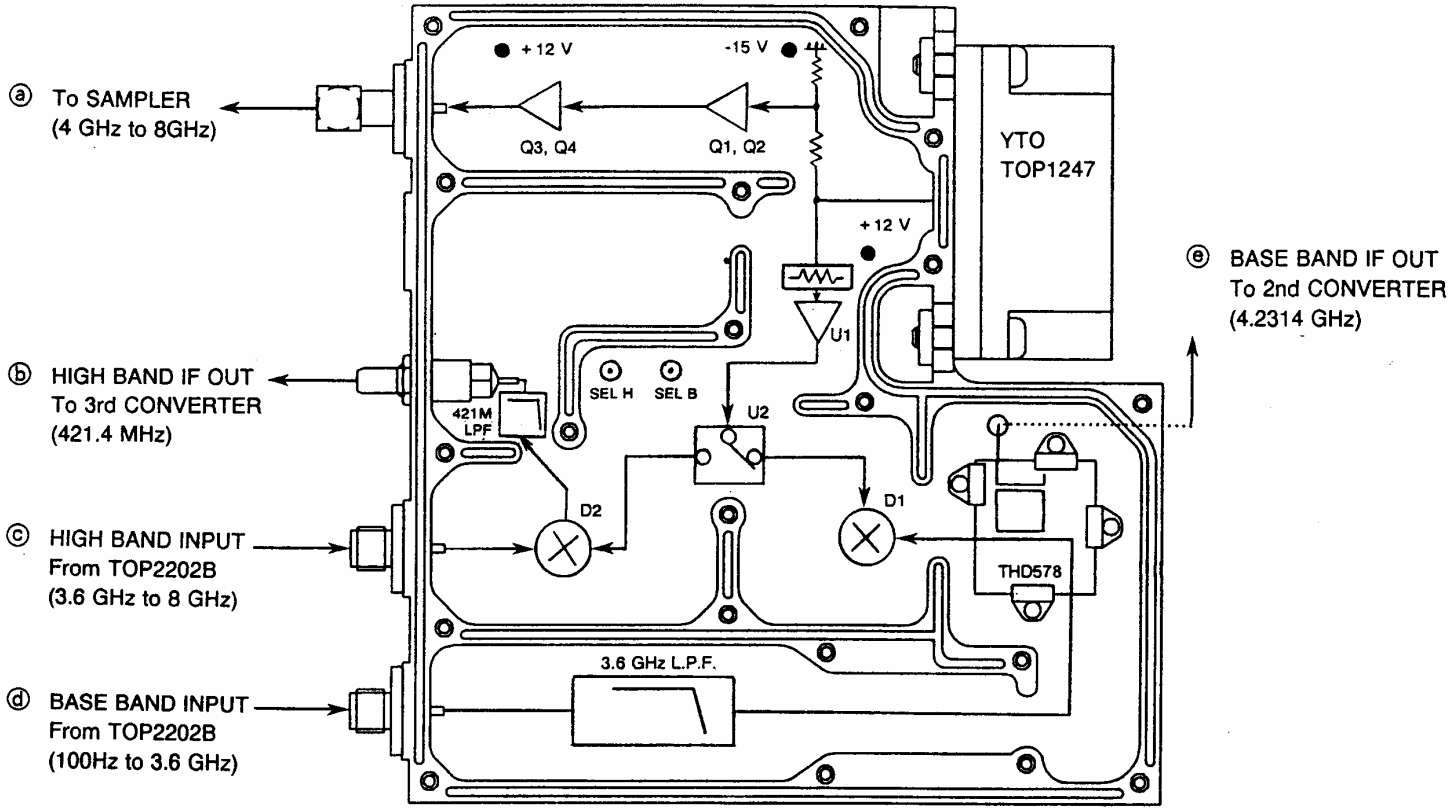
| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| C1 | CCP-ACR5P50V | FXD CHIP 0.5pF ±0.25pF 50V | |
| C2 -4 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C5 | CCP-BA1P50V | FXD CHIP 1pF ±0.25pF 50V | |
| C6 -10 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C11 | CCP-BA470P50V | FXD CHIP 470pF ±5% 50V | |
| C12 | CCP-BA1P50V | FXD CHIP 1pF ±0.25pF 50V | |
| C13 -16 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C17 | CCP-BA470P50V | FXD CHIP 470pF ±5% 50V | |
| C21 -23 | CCP-BA2P50V | FXD CHIP 2pF ±0.25pF 50V | |
| C24 | CCP-BA5P50V | FXD CHIP 5pF ±0.25pF 50V | |
| D1 | SDS-DMJ4317 | DIODE SI | |
| D2 | SCD-MA40446-1 | DIODE | |
| D3 | SDZ-MO39 | ZENER DIODE | |
| L1 -2 | LCL-E01568-1 | COIL | |
| L3 -6 | LCL-A00670 | COIL (CUSTOM DEVICE) | |
| Q1 | STP-2SA812 | TRANSISTOR PNP | |
| Q2 | SCF-MGF4914D-1 | FET | |
| Q3 | STP-2SA812 | TRANSISTOR PNP | |
| Q4 | SCF-MGF4914D-1 | FET | |
| R1 -2 | RCP-BC82 | FXD CHIP 82Ω ±0.5% 1/16W | |
| R3 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R4 | RCP-BC270 | FXD CHIP 270Ω ±0.5% 1/16W | |
| R5 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R6 | RCP-BC1K | FXD CHIP 1kΩ ±0.5% 1/16W | |
| R7 -8 | RCP-BC10 | FXD CHIP 10Ω ±0.5% 1/16W | |
| R9 -10 | RCP-BC1K | FXD CHIP 1kΩ ±0.5% 1/16W | |
| R11 -12 | RCP-BC10 | FXD CHIP 10Ω ±0.5% 1/16W | |
| R13 | RCP-BC1K | FXD CHIP 1kΩ ±0.5% 1/16W | |
| R14 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R15 -17 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R18 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R19 | RCP-BC39 | FXD CHIP 39Ω ±0.5% 1/16W | |
| R20 -21 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R22 -24 | RCP-BC10K | FXD CHIP 10kΩ ±0.5% 1/16W | |
| R25 | RCP-BC1R8K | FXD CHIP 1.8kΩ ±0.5% 1/16W | |
| R26 | RCP-BC2R7K | FXD CHIP 2.7kΩ ±0.5% 1/16W | |
| R27 -28 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |
| R29 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R30 | RCP-BC180 | FXD CHIP 180Ω ±0.5% 1/16W | |
| R31 | RCP-BC27 | FXD CHIP 27Ω ±0.5% 1/16W | |

**R3265A/3271A**
**1st CONVERTER**
**BED-020656**

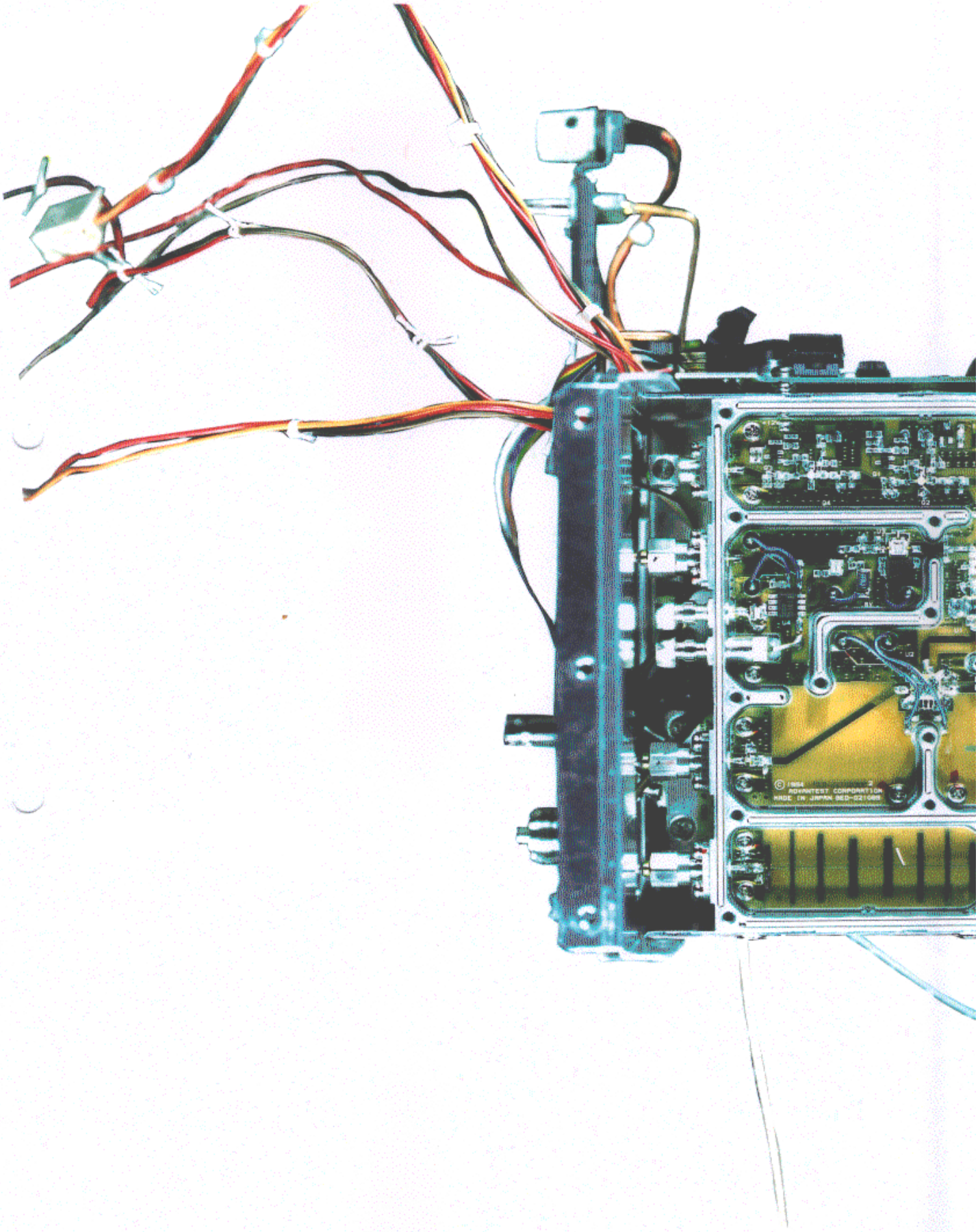
| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| R32 | RCP-BC180 | FXD CHIP 180Ω ±0.5% 1/16W | |
| R33 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R34 | RCP-BC39 | FXD CHIP 39Ω ±0.5% 1/16W | |
| R35 -36 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| R37 -38 | RCP-BC10K | FXD CHIP 10kΩ ±0.5% 1/16W | |
| R39 | RCP-BC1R8K | FXD CHIP 1.8kΩ ±0.5% 1/16W | |
| R40 | RCP-BC2R7K | FXD CHIP 2.7kΩ ±0.5% 1/16W | |
| R41 -42 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |
| R43 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R44 -45 | RCP-BC360 | FXD CHIP 360Ω ±0.5% 1/16W | |
| R46 | RCP-BC27 | FXD CHIP 27Ω ±0.5% 1/16W | |
| R47 -48 | RCP-BC360 | FXD CHIP 360Ω ±0.5% 1/16W | |
| R49 -50 | RCP-BC91 | FXD CHIP 91Ω ±0.5% 1/16W | |
| R51 -52 | RCP-BC100 | FXD CHIP 100Ω ±0.5% 1/16W | |
| R56 | RCP-BC180 | FXD CHIP 180Ω ±0.5% 1/16W | |
| R57 | RCP-BC27 | FXD CHIP 27Ω ±0.5% 1/16W | |
| R58 | RCP-BC180 | FXD CHIP 180Ω ±0.5% 1/16W | |
| R59 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |
| R60 | RCP-BC20 | FXD CHIP 20Ω ±0.5% 1/16W | |
| R61 | RCP-BC20 | FXD CHIP 20Ω ±0.5% 1/16W | |
| R62 | RCP-BC510 | FXD CHIP 510Ω ±0.5% 1/16W | |
| R71 | RCP-BC150 | FXD CHIP 150Ω ±0.5% 1/16W | |
| U1 | SIA-MAAM28000-1 | MMIC AMPLIFIER GaAs | |
| U2 | SIA-018R2*01 | MMIC SWITCH | |
| | | | |
| | | | |
| | | | |

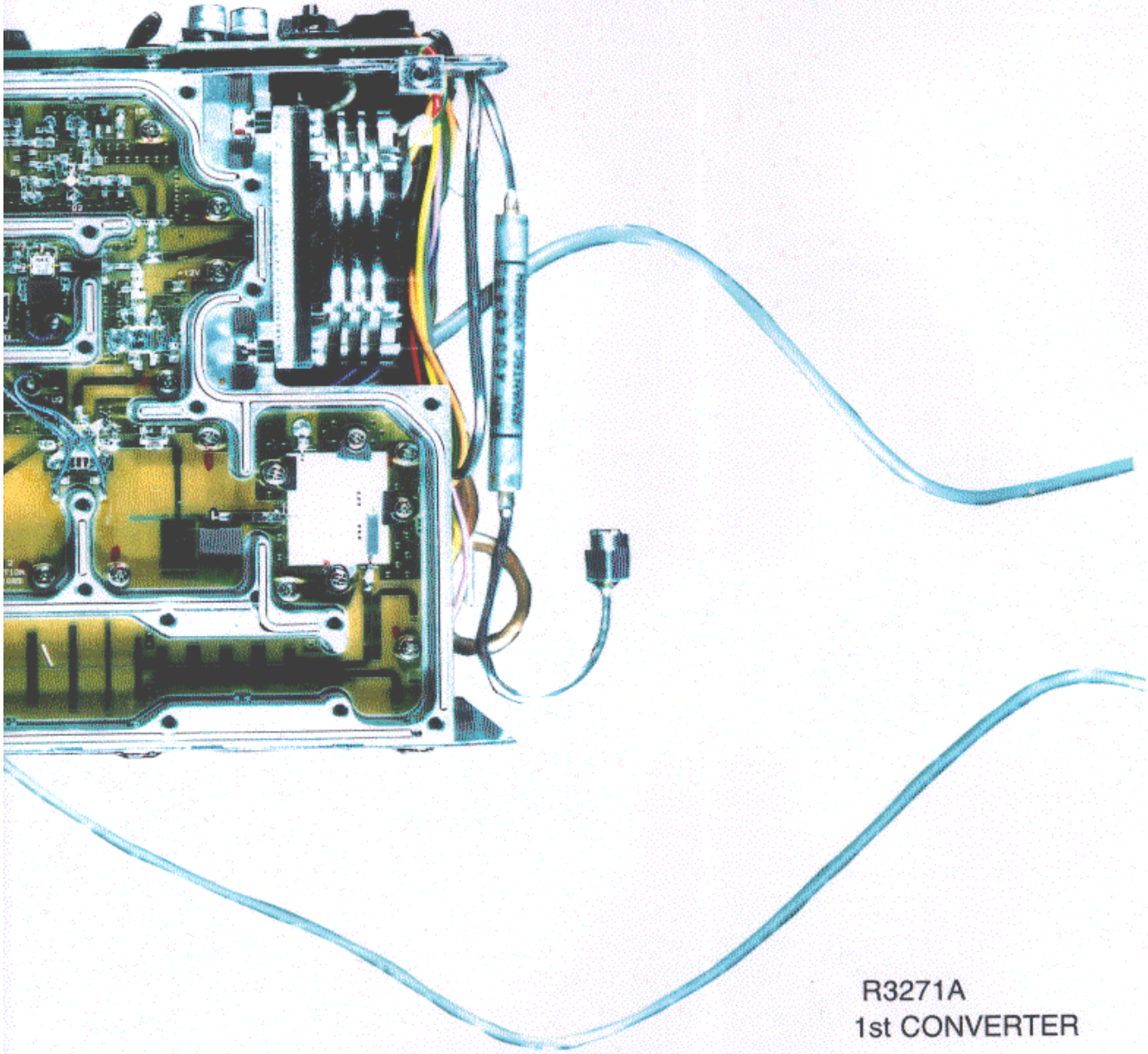



1st CONVERTER (BED-021089)
Circuit Layout

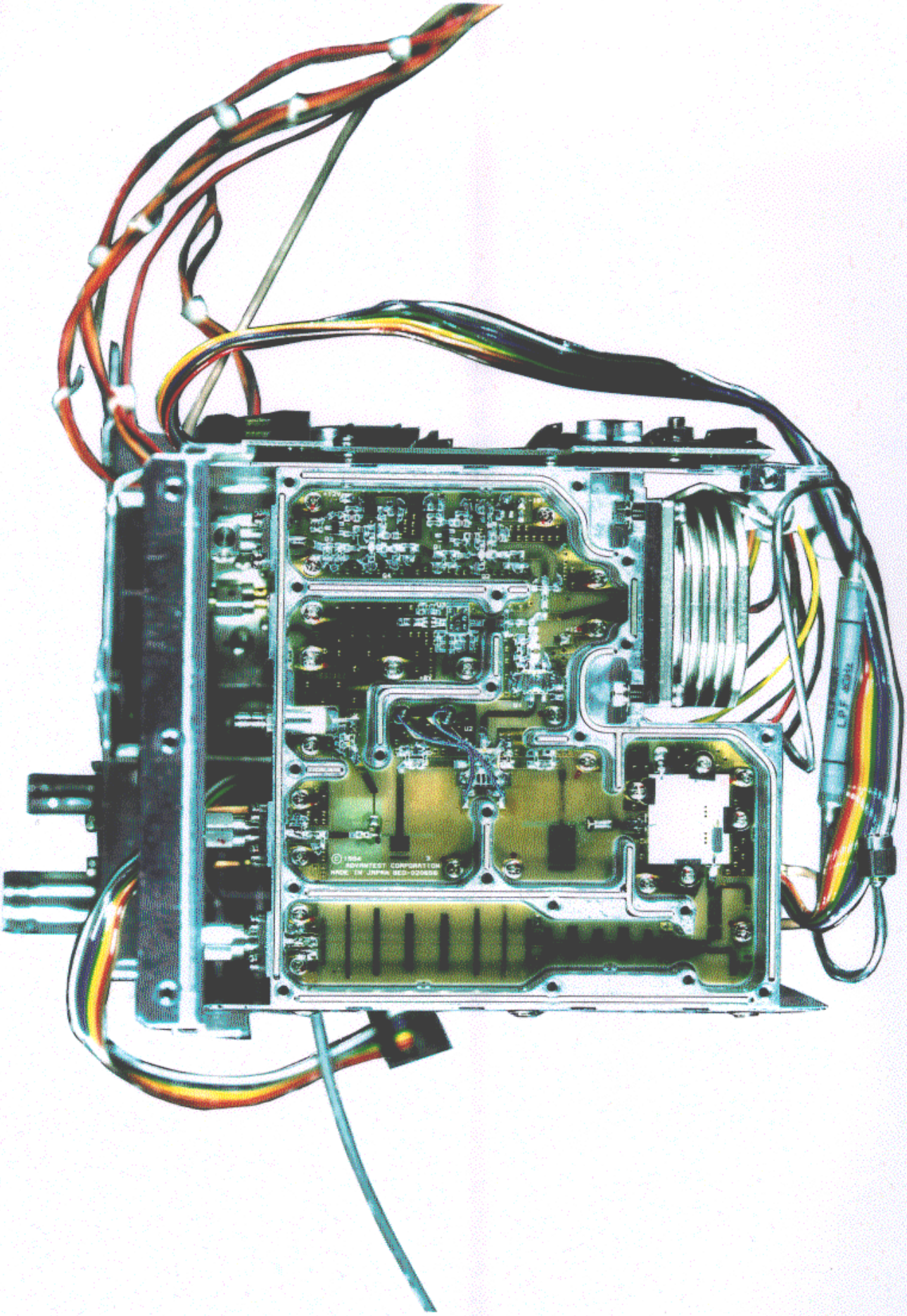


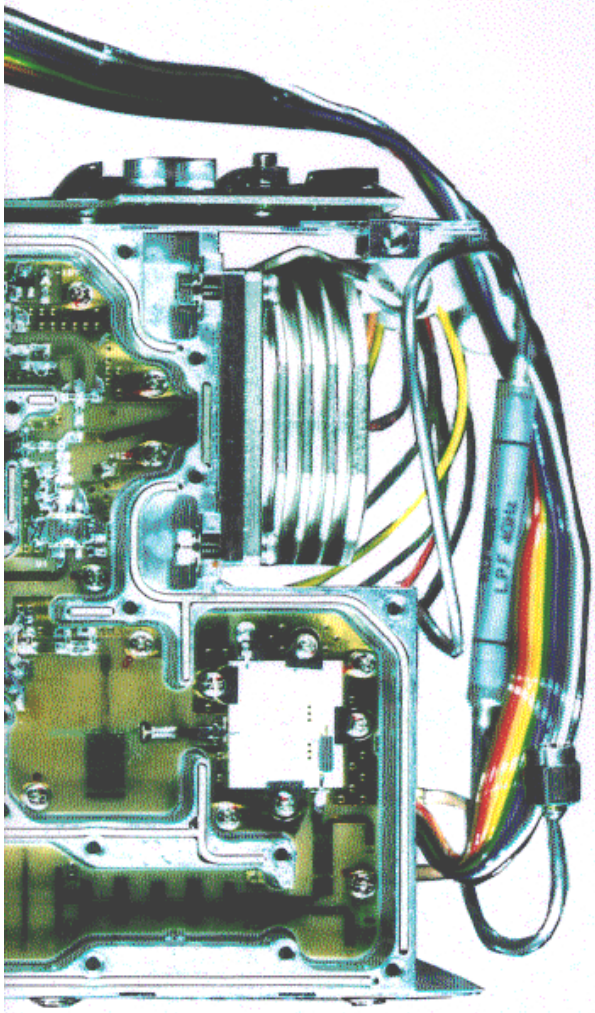

1st CONVERTER (BED-020656)
Circuit Layout


© 1994
ADVANTEST CORPORATION
MADE IN JAPAN 96D-021069

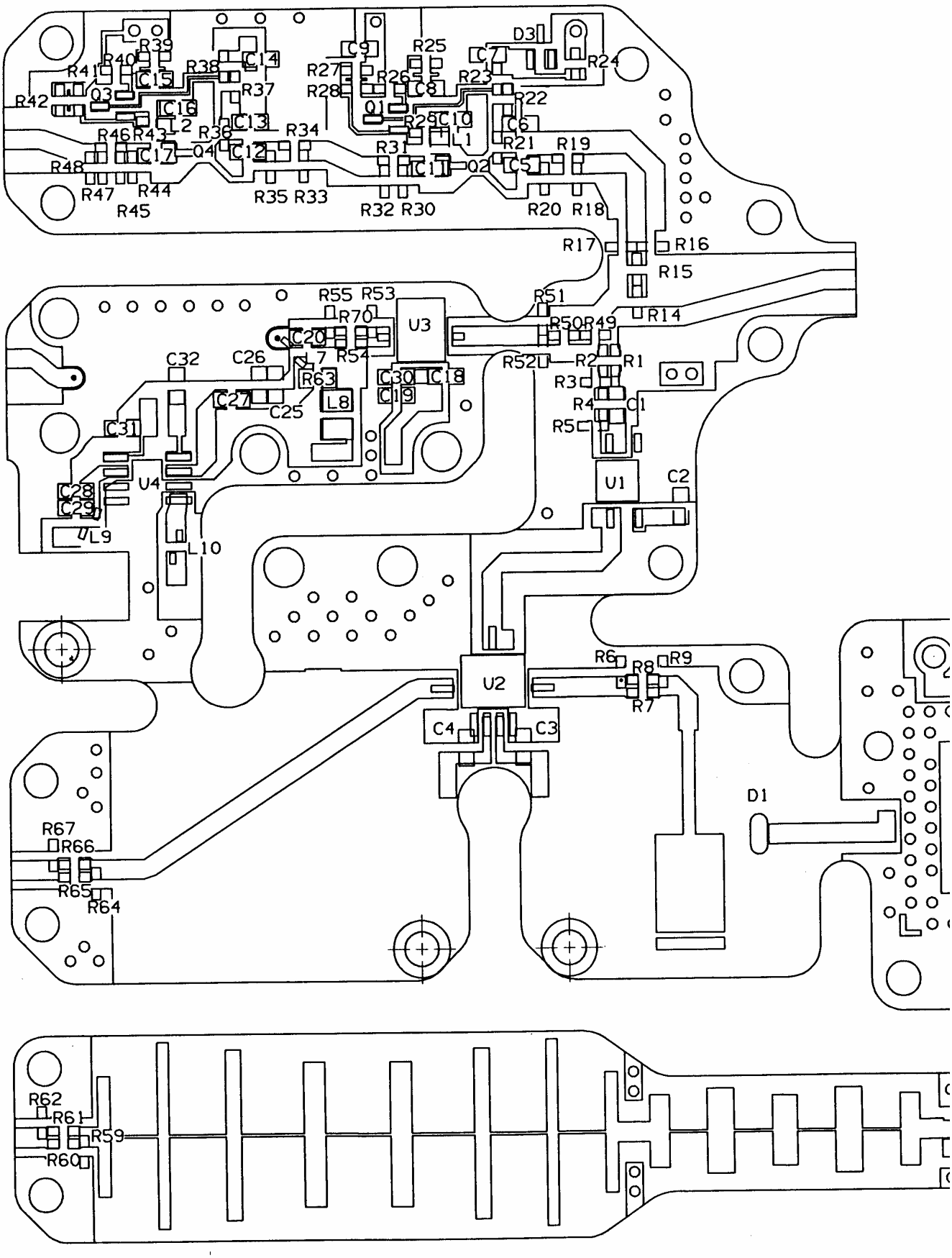


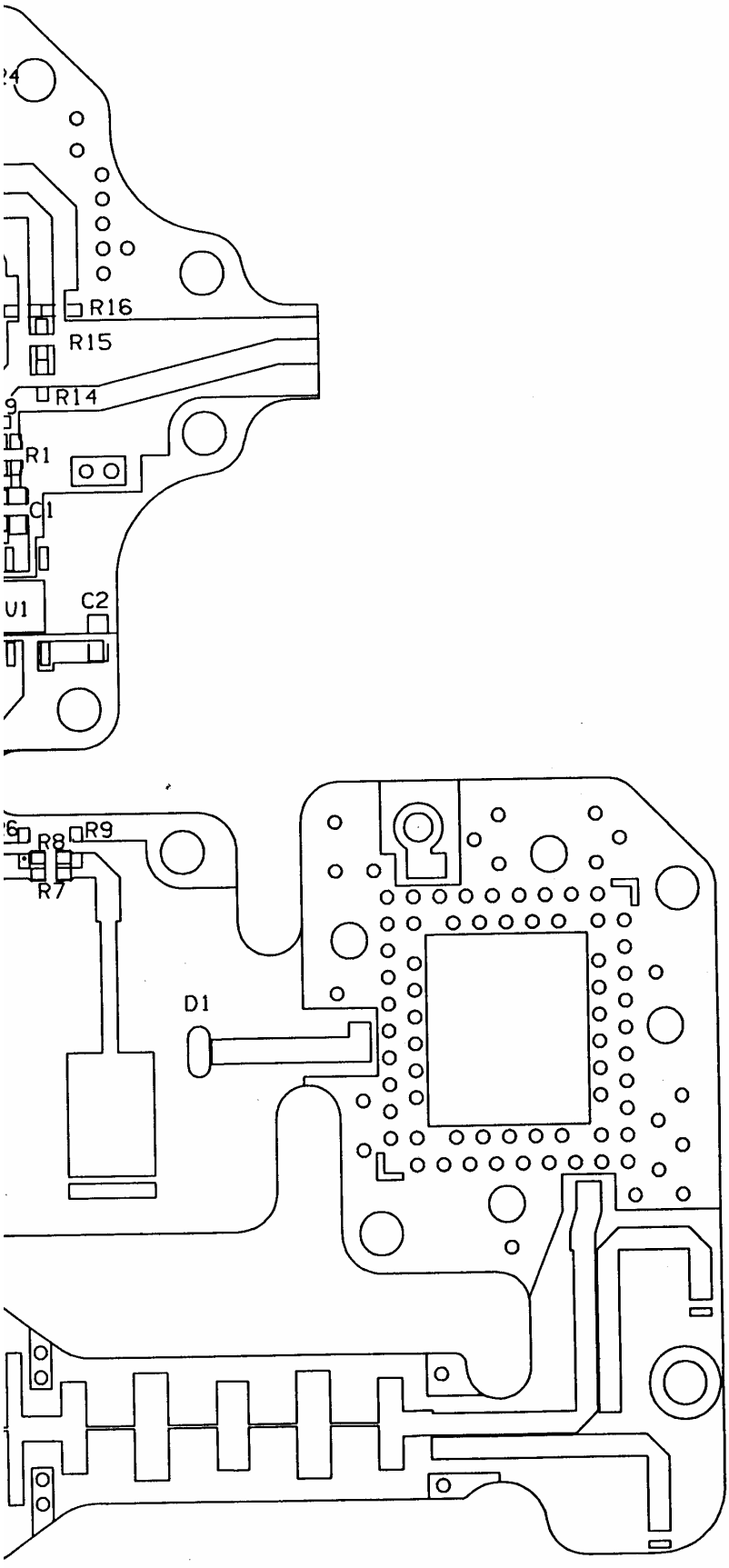
R3271A
1st CONVERTER


© 1994
ADVANTEST CORPORATION

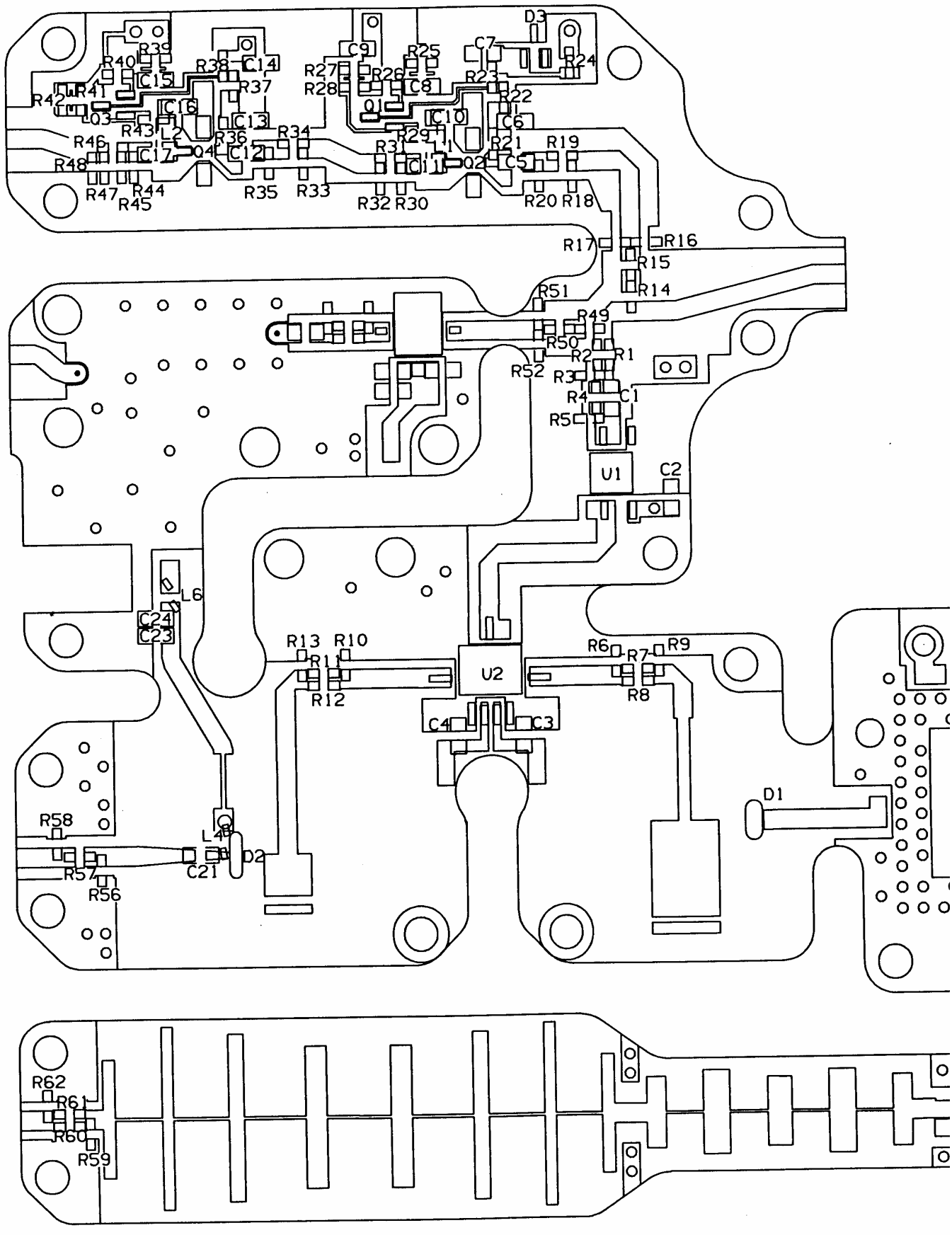


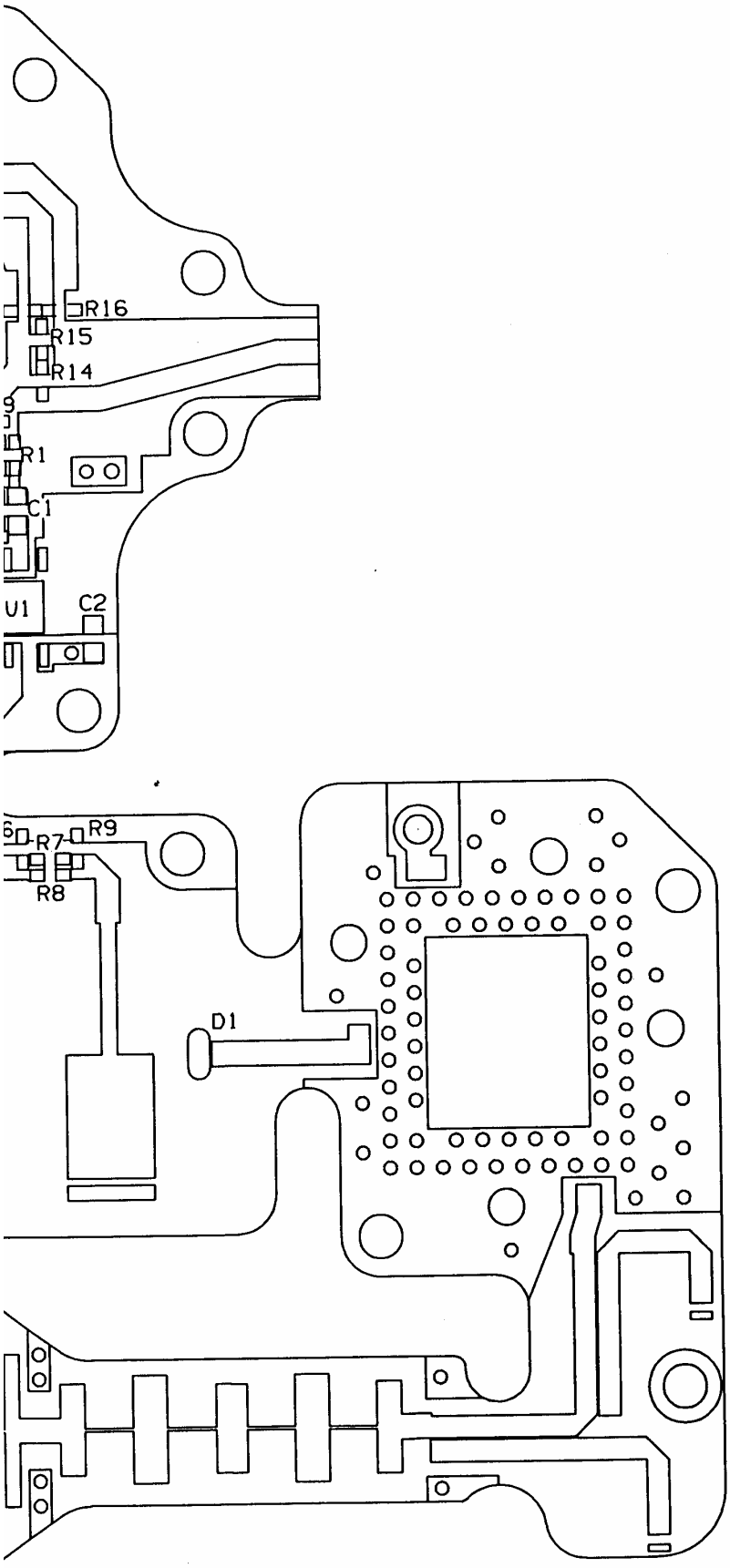
R3265A
1st CONVERTER


R39
R40
R41
R42
C14
C15
Q3
R38
R37
C16
L2
R46
R43
R36
C13
R34
C17
Q4
C12
R48
R47
R44
R45
R35
R33
R27
R28
R25
C9
R26
C8
Q1
R29
C10
L1
R31
C11
Q2
D3
C7
R24
R23
R22
C6
R21
R19
C5
R32
R30
R20
R18
R17
R16
R15
R55
R53
R70
U3
R51
R50
R49
R14
C20
R54
R52
R2
R1
C32
C26
R63
C30
C18
C19
R3
C27
C25
L8
R4
C1
C31
R5
U4
U1
C2
C28
C29
L9
L10
R6
R8
R9
U2
R7
C4
C3
D1
R67
R66
R65
R64
R62
R61
R59
R60




R3271A
1st CONVERTER


D3
C7
R24
C9
R25
R27
R28
R26
C8
R23
R22
C10
C6
R29
L1
R21
R19
R31
C11
Q2
C5
R32
R30
R20
R18
R17
R16
R15
R14
R51
R49
R50
R2
R1
R52
R3
R4
C1
R5
U1
C2
L6
C24
C23
R13
R10
R11
R12
U2
R6
R7
R9
R8
C4
C3
D1
R58
L4
D2
C21
R57
R56
R62
R61
R60
R59



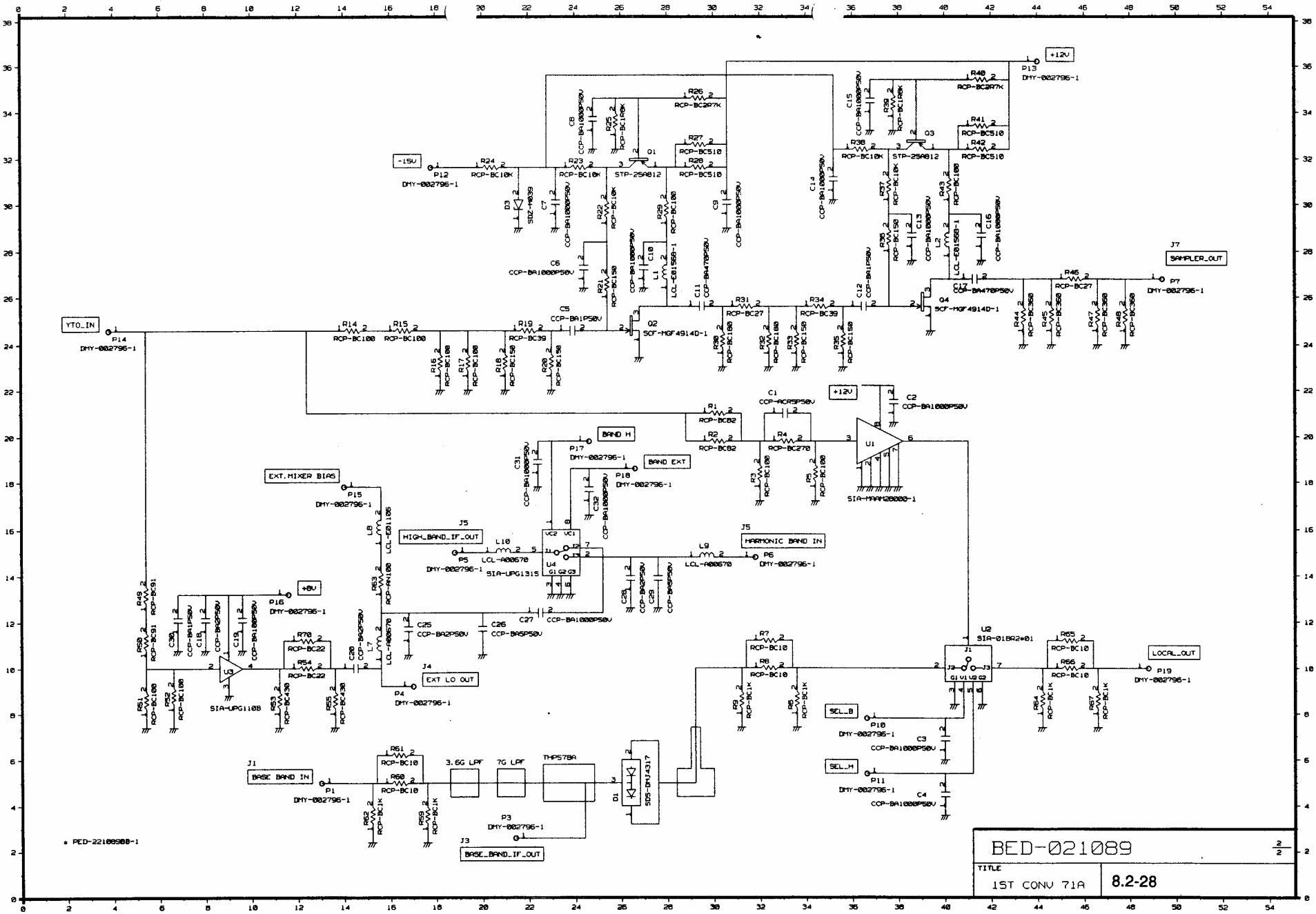

R3265A
1st CONVERTER

1. DRAWING DIRECTORY

| NAME | PAGE | DRG. NO. |
|---|---|---|
| SIGNAL LIST | | |
| PARTS LIST | | CP3-8242933BA |
| CIRCUIT DRAWING | 01 | CA3-8242934BA |
| | 02 | CA3-8242934BA |

BED-021089 1

TITLE
1ST CONV 71A 8.2-27


+12V
-15V
YTO_IN
BAND H
BAND EXT
EXT.MIXER BIAS
+8V
HIGH_BAND_IF_OUT
HARMONIC BAND IN
EXT LO OUT
SAMPLER_OUT
LOCAL_OUT
BASE BAND IN
BASE_BAND_IF_OUT
SEL_B
SEL_M
3.6G LPF
7G LPF
THP578A
SIA-MAAM28000-1
SIA-UPG1315
SIA-UPG110B
SIA-01BR2*01
SCF-MGF4914D-1
STP-25A812
SDS-DN14317
PED-22100988-1
BED-021089
1ST CONV 71A
8.2-28

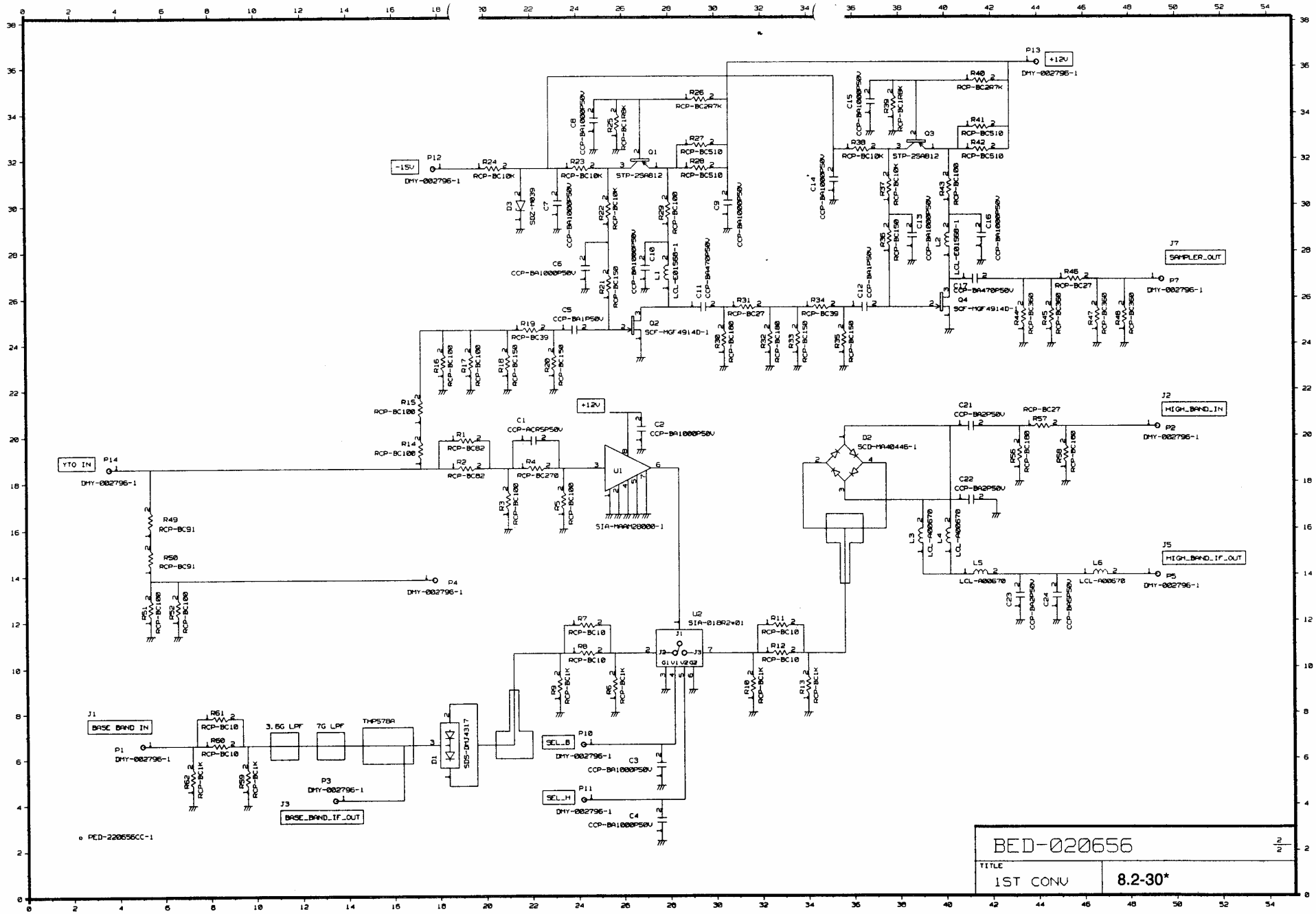
1. DRAWING DIRECTORY

| NAME | PAGE | DRG. NO. |
|---|---|---|
| SIGNAL LIST | | |
| PARTS LIST | | CP3-8242907CA |
| CIRCUIT DRAWING | 01 | CA3-8242908CA |
| | 02 | CA3-8242908CA |

BED-020656 1

TITLE
1ST CONV

8.2-29


P13
+12V
DMY-002796-1
-15V
P12
DMY-002796-1
R40
RCP-BC2R7K
R41
RCP-BC510
R42
RCP-BC510
R26
RCP-BC2R7K
R27
RCP-BC510
R28
RCP-BC510
R38
RCP-BC10K
Q3
STP-2SA812
Q1
STP-2SA812
J7
SAMPLER_OUT
P7
DMY-002796-1
Q4
SCF-MGF4914D-1
Q2
SCF-MGF4914D-1
+12V
J2
HIGH_BAND_IN
P2
DMY-002796-1
YTO IN
P14
DMY-002796-1
U1
SIA-MAAM28000-1
D2
SCD-MA40446-1
J5
HIGH_BAND_IF_OUT
P5
DMY-002796-1
P4
DMY-002796-1
U2
SIA-01BR2W01
J1
BASE BAND IN
P1
DMY-002796-1
3.8G LPF
7G LPF
THPS78A
D1
SDS-DM14317
SEL_B
P10
DMY-002796-1
SEL_H
P11
DMY-002796-1
P3
DMY-002796-1
J3
BASE_BAND_IF_OUT
PED-220656CC-1
BED-020656
TITLE
1ST CONV
8.2-30*

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**WBL-3271THR**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| BL1 | PTB-117357BB-1 | Balun of 2nd Mixer | |
| C1 -2 | CCK-CV330U25V | FXD ELECT 330μF ±20% 25V | |
| C3 | CFT-AC1000P50V | FXD COAXIAL 1000pF ±20% 50V | |
| C4 | CFT-AN10P50V | FXD COAXIAL 10pF ±20% 50V | |
| C6 | CFT-AC1000P50V | FXD COAXIAL 1000pF ±20% 50V | |
| C7 | CCK-BX47U25V | FXD ELECT 47μF ±20% 25V | |
| CB1 | DCB-FF1231X10-1 | COAXIAL CABLE, 2nd LOCAL to 2nd PLL | |
| CB2 | DCB-QS4313X02A-1 | CABLE ASSEMBLY | |
| DR1 -2 | DXD-001939-1 | DIELECTRIC RESONATOR for 4.2G BPF | |
| DR3 | DXD-001266 | DIELECTRIC RESONATOR for 3.8G 2nd Local | |
| FL1 -17 | DNF-001052 | EMI Filter | |
| HB1 | SHB-003190-1 | 2nd Sampler | |
| IS1 | DEE-001242-1 | Isolator 4.2GHz | |
| J1 -5 | JCF-AC001JX02-3 | CONNECTOR UM | |
| J6 | JCF-AA001JX63-1 | CONNECTOR SMA | |
| J7 | JCF-AA001JX43-1 | CONNECTOR SMA | |
| J8 -9 | JCF-AC001JX02-3 | CONNECTOR UM | |
| J10 | JCF-AA001JX01-1 | CONNECTOR SMA | |
| J11 | JCF-AA001JX63-1 | CONNECTOR SMA | |
| J12 | JCF-AA001PX26-1 | CONNECTOR SMA | |
| L1 -2 | LCL-T00084A | COIL 180μH (CUSTOM DEVICE) | |
| LP1 | DEE-001181-1 | COAXIAL LPF (CUSTOM DEVICE) | |
| U1 | SIA-7808U | VOLTAGE REGULATOR 8V | |
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**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLB-017037 (1 of 2)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| C1 -2 | CCK-CH33U25V | FXD ELECT 33μF ±20% 25V | |
| C3 | CTA-AN1U35V | FXD TANTAL 1μF ±20% 35V | |
| C4 | CTA-AN22U16V | FXD TANTAL 22μF ±20% 16V | |
| C5 | CCP-BA15P50V | FXD CHIP 15pF ±5% 50V | |
| C6 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C7 | CCP-BA2200P50V | FXD CHIP 2200pF ±20% 50V | |
| C8 -9 | CCP-BA15P50V | FXD CHIP 15pF ±5% 50V | |
| C10 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C11 | CCP-BA15P50V | FXD CHIP 15pF ±5% 50V | |
| C12 -19 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C20 | CCP-BA470P50V. | FXD CHIP 470pF ±10% 50V | |
| C21 -33 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C34 | CFM-ASR047U50V | FXD film 0.047μF ±10% 50V | |
| C35 | CCP-BA15P50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C36 | CCP-TCR1U50V | FXD CHIP 15pF ±5% 50V | |
| C37 | CCP-BA15P50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C38 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| D1 -3 | SDS-1SS220 | SI SWITCHING DIODE | |
| L1 -2 | LCL-C00010 | COIL 180μH (Custom Device) | |
| L3 | LCL-E00936 | COIL CHIP 47nH ±20% | |
| L4 -5 | LCL-C01179 | COIL (Custom Device) | |
| L6 -7 | LCL-E00949 | COIL CHIP 0.56μH ±20% | |
| L8 | LCL-E00962 | COIL CHIP 6.8μH ±20% | |
| P1 -8 | DMY-000934-1 | | |
| Q1 | STN-2SC2884 | TRANSISTOR NPN | |
| Q2 | STN-2SC3356 | TRANSISTOR NPN Low Noise ft = 6GHz | |
| Q3 | STN-2SC2223 | TRANSISTOR NPN ft = 600MHz | |
| Q4 -5 | STP-2SA1226 | TRANSISTOR PNP ft = 400MHz | |
| Q6 -7 | STN-2SC2223 | TRANSISTOR NPN ft = 600MHz | |
| R1 | RCP-AN1R2K | FXD CHIP 1.2kΩ ±1% 1/10W | |
| R2 | RCP-AN680 | FXD CHIP 680Ω ±1% 1/10W | |
| R3 | RCP-AJ56 | FXD CHIP 56Ω ±5% 1/10W | |
| R4 | RCP-AJ10K | FXD CHIP 10kΩ ±5% 1/10W | |
| R5 | RCP-AJ4R7K | FXD CHIP 4.7kΩ ±5% 1/10W | |
| R6 | RCP-AJ22 | FXD CHIP 22Ω ±5% 1/10W | |
| R7 | RCP-AJ220 | FXD CHIP 220Ω ±5% 1/10W | |
| R8 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R9 | RCP-AJ100 | FXD CHIP 100Ω ±5% 1/10W | |
| R10 | RCP-AJ82 | FXD CHIP 82Ω ±5% 1/10W | |
| R11 | RCP-AJ100 | FXD CHIP 100Ω ±5% 1/10W | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLB-017037 (2 of 2)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| R12 | RCP-AJ82 | FXD CHIP 82Ω ±5% 1/10W | |
| R13 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R14 | RCP-AJ18 | FXD CHIP 18Ω ±5% 1/10W | |
| R15 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R16 | RCP-AJ150 | FXD CHIP 150Ω ±5% 1/10W | |
| R17 | RCP-AJ39 | FXD CHIP 39Ω ±5% 1/10W | |
| R18 | RCP-AJ150 | FXD CHIP 150Ω ±5% 1/10W | |
| R19 -21 | RCP-AJ15 | FXD CHIP 15Ω ±5% 1/10W | |
| R23 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R24 | RCP-AJ22 | FXD CHIP 22Ω ±5% 1/10W | |
| R25 | RCP-AJ2R2K | FXD CHIP 2.2kΩ ±5% 1/10W | |
| R26 | RCP-AJ680 | FXD CHIP 680Ω ±5% 1/10W | |
| R27 | RCP-AJ22 | FXD CHIP 22Ω ±5% 1/10W | |
| R28 | RCP-AJ2R2K | FXD CHIP 2.2kΩ ±5% 1/10W | |
| R29 | RCP-AJ680 | FXD CHIP 680Ω ±5% 1/10W | |
| R30 | RCP-AN910 | FXD CHIP 910Ω ±1% 1/10W | |
| R31 -32 | RCP-AJ22 | FXD CHIP 22Ω ±5% 1/10W | |
| R33 | RCP-AN910 | FXD CHIP 910Ω ±1% 1/10W | |
| R34 -35 | RCP-AN1K | FXD CHIP 1kΩ ±1% 1/10W | |
| R36 | RCP-AN100 | FXD CHIP 100Ω ±1% 1/10W | |
| R37 | RCP-AN1K | FXD CHIP 1kΩ ±1% 1/10W | |
| R38 | RCP-AN3R9K | FXD CHIP 3.9kΩ ±1% 1/10W | |
| R39 | RCP-AN1K | FXD CHIP 1kΩ ±1% 1/10W | |
| R40 | RCP-AN1R5K | FXD CHIP 1.5kΩ ±1% 1/10W | |
| R41 | RCP-AN390 | FXD CHIP 390Ω ±1% 1/10W | |
| R42 | RCP-AJ15K | FXD CHIP 15kΩ ±5% 1/10W | |
| R43 | RCP-AJ1R2K | FXD CHIP 1.2kΩ ±5% 1/10W | |
| U1 | SIA-1675 | BIPOLAR ANALOG IC 1GHz AMP | |
| U2 | SIC-572 | 500MHz 1/20 PRESCALER | |
| U3 -5 | SIA-1676 | BIPOLAR ANALOG IC 1GHz AMP | |
| U6 | SIT-74F00S | QUAD 2-INPUT NAND GATE | |
| U7 | SIT-74F112S | DUAL J-K NAGATIVE-EDGE TRIGGER FLIP-FLOP | |
| U8 | SIA-1675 | BIPOLAR ANALOG IC 1GHz AMP | |
| | | | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLB-017045**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| C1 -2<br>C3 | CCP-BBR1U50V<br>CCK-CH47U16V | FXD CHIP 0.1μF +80%-20% 50V<br>FXD CHIP 47μF ±20% 16V | |
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**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLC-017027X02 (1 of 4)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| C1 -4 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C5 -8 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C9 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C10 | CCP-BA10P50V | FXD | CHIP | 10pF | ±0.5pF | 50V | |
| C11 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C12 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C13 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C14 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C15 | CCK-CH33U25V | FXD | ELECT | 33μF | ±20% | 25V | |
| C16 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C17 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C18 -19 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C20 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C21 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C22 -23 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C24 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C25 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C26 -27 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C28 -31 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C32 -33 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C34 -36 | CCP-BA5P50V | FXD | CHIP | 5pF | ±0.25pF | 50V | |
| C37 | CCP-BA2P50V | FXD | CHIP | 2pF | ±0.25pF | 50V | |
| C38 | CCP-BA27P50V | FXD | CHIP | 27pF | ±5% | 50V | |
| C39 | CCK-CH33U25V | FXD | ELECT | 33μF | ±20% | 25V | |
| C41 -54 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C55 | CCP-BA2P50V | FXD | CHIP | 2pF | ±0.25pF | 50V | |
| C57 | CCP-AV150PR1K | FXD | MICA | 150pF | ±2% | 50V | |
| C58 | CCP-BA47P50V | FXD | CHIP | 47pF | ±5% | 50V | |
| C59 | CCP-AW470PR1K | FXD | MICA | 470pF | ±1% | 50V | |
| C60 | CCK-CH6R8U25V | FXD | ELECT | 6.8μF | ±20% | 25V | |
| C62 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C69 -72 | CCP-ACR5P50V | FXD | CHIP | 0.5pF | ±0.25pF | 50V | |
| C73 | CCP-BA3P50V | FXD | CHIP | 3pF | ±0.25pF | 50V | |
| C74 | CCP-BA27P50V | FXD | CHIP | 27pF | ±5% | 50V | |
| C75 | CTM-BL40P | VAR | CTM | 40pF | +50%-0% | 50V | |
| D1 -9 | SDS-1SS279-1 | SI SWITCHING DIODE | | | | | |
| D10 -12 | SDS-1SV196S-1 | SI PIN DIODE | | | | | |
| FB1 | DEE-001484 | FERRITE BEADS | | | | | |
| FL1 -2 | DNF-001840-1 | HELICAL BPF | | 421.4MHz | | (CUSTOM DEVICE) | |
| J1 -2 | JCF-BA001JX01 | CONNECTOR FL | | | | | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLC-017027X02 (2 of 4)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| L1 | LCL-E00935 | FXD CHIP 39nH ±20% | |
| L2 | LCL-C01178-1 | COIL (CUSTOM DEVICE) | |
| L3 | LCL-C01202-1 | COIL (CUSTOM DEVICE) | |
| L4 | LCL-C01181-1 | COIL (CUSTOM DEVICE) | |
| L5 | LCL-E00935 | FXD CHIP 39nH ±20% | |
| L6 | LCL-C01202-1 | COIL (CUSTOM DEVICE) | |
| L7 | LCL-C00010 | COIL 180μH ±10% | |
| L8 | LCL-E00935 | FXD CHIP 39nH ±20% | |
| L9 | LCL-C01202-1 | COIL (CUSTOM DEVICE) | |
| L10 | LCL-E00935 | FXD CHIP 39nH ±20% | |
| L11 | LCL-C01202-1 | COIL (CUSTOM DEVICE) | |
| L12 | LCL-E00935 | FXD CHIP 39nH ±20% | |
| L13 | LCL-C01202-1 | COIL (CUSTOM DEVICE) | |
| L14 -15 | LCL-E00933 | COIL CHIP 22nH ±20% | |
| L16 | LCL-B00806 | COIL 330nH ±10% | |
| L17 | LCL-C01207-1 | VAR COIL 1.8μH ±10% (CUSTOM DEVICE) | |
| L18 | LCL-A00786 | COIL 110nH ±10% | |
| L19 | LCL-E00964 | COIL CHIP 10μH ±20% | |
| L20 -21 | LCL-C01203-1 | COIL (CUSTOM DEVICE) | |
| L22 | LCL-C00010 | COIL 180μH ±10% | |
| L23 | LCL-B00818 | COIL 15μH ±10% | |
| L24 | LCL-C01207-1 | VAR COIL 1.8μH ±10% (CUSTOM DEVICE) | |
| MX1 | DEE-001911-1 | DBM (CUSTOM DEVICE) | |
| P12 | JCI-AT001JX06-2 | SOCKET | |
| PI1 | JCI-AT001JX06-2 | SOCKET | |
| Q1 -10 | STN-2SC3357-1 | TRANSISTOR NPN LOW NOISE ft = 6GHz | |
| R1 -3 | RCP-AJ10K | FXD CHIP 10kΩ ±5% 1/10W | |
| R4 -5 | RCP-AJ3R9K | FXD CHIP 3.9kΩ ±5% 1/10W | |
| R6 | RCP-AJ1R8K | FXD CHIP 1.8kΩ ±5% 1/10W | |
| R7 -8 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R9 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R10 | RCP-AJ220 | FXD CHIP 220Ω ±5% 1/10W | |
| R11 | RCP-AJ100 | FXD CHIP 100Ω ±5% 1/10W | |
| R13 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R14 | RCP-AJ3R9K | FXD CHIP 3.9kΩ ±5% 1/10W | |
| R15 | RCP-AJ1R8K | FXD CHIP 1.8kΩ ±5% 1/10W | |
| R16 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R17 | RCP-AX0 | FXD CHIP 0Ω ±5% 1/10W | |
| R18 | RCP-AJ220 | FXD CHIP 220Ω ±5% 1/10W | |
| R19 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLC-017027X02 (3 of 4)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R21 | RCP-AX0 | FXD | CHIP | 0Ω | ±5% | 1/10/W | |
| R22 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10/W | |
| R23 | RCP-AJ1K | FXD | CHIP | 1kΩ | ±5% | 1/10/W | |
| R24 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10/W | |
| R25 -26 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10/W | |
| R28 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10/W | |
| R29 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10/W | |
| R30 | RCP-AJ15 | FXD | CHIP | 15Ω | ±5% | 1/10/W | |
| R32 | RCP-AJ150 | FXD | CHIP | 150Ω | ±5% | 1/10/W | |
| R33 | RCP-AJ3R9K | FXD | CHIP | 3.9kΩ | ±5% | 1/10/W | |
| R34 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10/W | |
| R35 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10/W | |
| R36 -37 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10/W | |
| R38 | RCP-AJ8R2 | FXD | CHIP | 8.2Ω | ±5% | 1/10/W | |
| R39 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10/W | |
| R40 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10/W | |
| R41 | RCP-AJ15 | FXD | CHIP | 15Ω | ±5% | 1/10/W | |
| R42 | RCP-AJ470 | FXD | CHIP | 470Ω | ±5% | 1/10/W | |
| R43 | RCP-AJ150 | FXD | CHIP | 150Ω | ±5% | 1/10/W | |
| R44 | RCP-AJ3R9K | FXD | CHIP | 3.9kΩ | ±5% | 1/10/W | |
| R45 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10/W | |
| R46 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10/W | |
| R47 -48 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10/W | |
| R49 | RCP-AJ8R2 | FXD | CHIP | 8.2Ω | ±5% | 1/10/W | |
| R50 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10/W | |
| R52 | RCP-AX0 | FXD | CHIP | 0Ω | ±5% | 1/10/W | |
| R54 | RCP-AJ82 | FXD | CHIP | 82Ω | ±5% | 1/10/W | |
| R55 | RCP-AJ100 | FXD | CHIP | 100Ω | ±5% | 1/10/W | |
| R56 | RCP-AJ82 | FXD | CHIP | 82Ω | ±5% | 1/10/W | |
| R57 | RCP-AJ3R9K | FXD | CHIP | 3.9kΩ | ±5% | 1/10/W | |
| R58 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10/W | |
| R59 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10/W | |
| R60 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10/W | |
| R61 | RCP-AJ150 | FXD | CHIP | 150Ω | ±5% | 1/10/W | |
| R62 | RCP-AJ39 | FXD | CHIP | 39Ω | ±5% | 1/10/W | |
| R63 | RCP-AJ150 | FXD | CHIP | 150Ω | ±5% | 1/10/W | |
| R64 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10/W | |
| R65 | RCP-AJ1K | FXD | CHIP | 1kΩ | ±5% | 1/10/W | |
| R66 -67 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10/W | |
| R68 | RCP-AJ3R9K | FXD | CHIP | 3.9kΩ | ±5% | 1/10/W | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLC-017027X02 (4 of 4)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| R69 | RCP-AJ1R8K | FXD CHIP 1.8kΩ ±5% 1/10W | |
| R70 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R71 -72 | RCP-AJ220 | FXD CHIP 220Ω ±5% 1/10W | |
| R73 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R74 | RCP-AJ51 | FXD CHIP 51Ω ±5% 1/10W | |
| R75 | RCP-AJ1K | FXD CHIP 1kΩ ±5% 1/10W | |
| R76 -77 | RCP-AJ3R9K | FXD CHIP 3.9kΩ ±5% 1/10W | |
| R78 | RCP-AJ1R8K | FXD CHIP 1.8kΩ ±5% 1/10W | |
| R79 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R80 -81 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R82 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R83 | REE-AT422S47 | RESISTOR 47Ω ±5% 1/6W TC = +4200ppm/°C | |
| R84 -85 | RCP-AJ1K | FXD CHIP 1kΩ ±5% 1/10W | |
| R86 | RCP-AJ1R8K | FXD CHIP 1.8kΩ ±5% 1/10W | |
| R87 | RCP-AJ1K | FXD CHIP 10Ω ±5% 1/10W | |
| R88 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R89 -90 | RCP-AJ220 | FXD CHIP 220Ω ±5% 1/10W | |
| R91 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R92 | RCP-AJ220 | FXD CHIP 220Ω ±5% 1/10W | |
| R93 -94 | RCP-AJ1K | FXD CHIP 1kΩ ±5% 1/10W | |
| R95 | RCP-AJ22 | FXD CHIP 22Ω ±5% 1/10W | |
| R96 | RCP-AJ51 | FXD CHIP 51Ω ±5% 1/10W | |
| R97 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R98 | RCP-AJ15 | FXD CHIP 15Ω ±5% 1/10W | |
| R99 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R101 | RCP-AJ3R3 | FXD CHIP 3.3Ω ±5% 1/10W | |
| R109 | RCP-AX0 | FXD CHIP 0Ω ±5% 1/10W | |
| R110 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R111 | RCB-AH100 | FXD CHIP 100Ω ±5% 1/10W | |
| R112 | RCP-AX0 | FXD CHIP 0Ω ±5% 1/10W | |
| SP1 | JTE-BV002EX02-1 | SHORT PIN | |
| | | | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BTF-017504 (1 of 2)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| C6 | CCP-BA220P50V | FXD CHIP 220pF ±5% 50V | |
| C7 -8 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C9 | CCP-BAR01U50V | FXD CHIP 0.01μF ±10% 50V | |
| C10 -11 | CCP-BA220P50V | FXD CHIP 220pF ±5% 50V | |
| C12 -13 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C14 | CCP-BAR01U50V | FXD CHIP 0.01μF ±10% 50V | |
| C15 | CCP-BA2P50V | FXD CHIP 2pF ±0.25pF 50V | |
| C16 | CCP-BA18P50V | FXD CHIP 18pF ±5% 50V | |
| C17 | CCP-BA22P50V | FXD CHIP 22pF ±5% 50V | |
| C18 | CCP-BAR01U50V | FXD CHIP 0.01μF ±10% 50V | |
| C19 -20 | CCP-BA220P50V | FXD CHIP 220pF ±5% 50V | |
| C21 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C22 | CCP-BA220P50V | FXD CHIP 220pF ±5% 50V | |
| D2 | SDZ-M027 | ZENER DIODE 2.7V | |
| D3 | SDS-ND587T | SHOTTKEY BARRIER GaAs DIODE PAIR Ct = 0.26pF | |
| D4 | SDS-1SS101 | SHOTTKEY BARRIER Si DIODE Ct = 2.0pF | |
| L1 | LCL-A00668 | FXD COIL 11nH | |
| Q3 | STN-2SC3604 | TRANSISTOR NPN Low Noise & High Gain ft = 9GHz | |
| Q4 | STP-2SA812 | TRANSISTOR PNP | |
| Q5 | SFN-FSC10LF | GaAs FET | |
| Q6 | STP-2SA812 | TRANSISTOR NPN | |
| Q7 | STN-2SC3604 | TRANSISTOR NPN Low Noise & High Gain ft = 9GHz | |
| R8 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R9 | RCP-AJ3R3K | FXD CHIP 3.3kΩ ±5% 1/10W | |
| R10 | RCP-AJ750 | FXD CHIP 750Ω ±5% 1/10W | |
| R11 | RCP-AJ47 | FXD CHIP 47Ω ±5% 1/10W | |
| R12 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R13 -14 | RCP-AJ51 | FXD CHIP 51Ω ±5% 1/10W | |
| R15 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R16 | RCP-AJ1R8K | FXD CHIP 1.8kΩ ±5% 1/10W | |
| R17 | RCP-AJ820 | FXD CHIP 820Ω ±5% 1/10W | |
| R18 | RCP-AJ62 | FXD CHIP 62Ω ±5% 1/10W | |
| R19 | RCP-AJ100 | FXD CHIP 100Ω ±5% 1/10W | |
| R20 | RCP-AH10K | FXD CHIP 10kΩ ±5% 1/10W | |
| R21 | RCP-AJ10K | FXD CHIP 10kΩ ±5% 1/10W | |
| R22 | RCP-AJ51 | FXD CHIP 51Ω ±5% 1/10W | |
| R26 | RCP-AJ68 | FXD CHIP 68Ω ±5% 1/10W | |
| R27 | RCP-AJ100 | FXD CHIP 100Ω ±5% 1/10W | |
| R28 | RCP-AJ100 | FXD CHIP 100Ω ±5% 1/10W | |
| R29 | RCP-AJ3R3K | FXD CHIP 3.3kΩ ±5% 1/10W | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BTF-017504 (2 of 2)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| R30 | RCP-AJ1K | FXD CHIP 1kΩ ±5% 1/10W | |
| R31 | RCP-AJ470 | FXD CHIP 470Ω ±5% 1/10W | |
| R32 -33 | RCP-AJ510 | FXD CHIP 510Ω ±5% 1/10W | |
| R34 | RCP-AJ51 | FXD CHIP 51Ω ±5% 1/10W | |
| R35 | RCP-AJ51 | FXD CHIP 51Ω ±5% 1/10W | |
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**R3265A/3271A**
**2nd, 3rd CONVERTER**
**WBL-3265THR**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| BL1 | PTB-117357BB-1 | Balun of 2nd Mixer | |
| C1 -2 | CCK-CV330U25V | FXD ELECT 330μF ±20% 25V | |
| C3 | CFT-AC1000P50V | FXD COAXIAL 1000pF ±20% 50V | |
| C4 | CFT-AN10P50V | FXD COAXIAL 10pF ±20% 50V | |
| C6 | CFT-AC1000P50V | FXD COAXIAL 1000pF ±20% 50V | |
| C7 | CCK-BX47U25V | FXD ELECT 47μF ±20% 25V | |
| CB1 | DCB-FF1231X10-1 | COAXIAL CABLE, 2nd LOCAL to 2nd PLL | |
| CB2 | DCB-QS4313X02A-1 | CABLE ASSEMBLY | |
| DR1 -2 | DXD-001939-1 | DIELECTRIC RESONATOR for 4.2G BPF | |
| DR3 | DXD-001266 | DIELECTRIC RESONATOR for 3.8G 2nd Local | |
| FL1 -19 | DNF-001052 | EMI Filter | |
| HB1 | SHB-003190-1 | 2nd Sampler | |
| IS1 | DEE-001242-1 | Isolator 4.2GHz | |
| J1 -5 | JCF-AC001JX02-3 | CONNECTOR UM | |
| J6 | JCF-AA001JX63-1 | CONNECTOR SMA | |
| J7 | JCF-AA001JX43-1 | CONNECTOR SMA | |
| J8 -9 | JCF-AC001JX02-3 | CONNECTOR UM | |
| J10 | JCF-AA001JX01-1 | CONNECTOR SMA | |
| J11 | JCF-AA001JX63-1 | CONNECTOR SMA | |
| J12 | JCF-AA001PX26-1 | CONNECTOR SMA | |
| L1 -2 | LCL-T00084A | COIL 180μH (CUSTOM DEVICE) | |
| LP1 | DEE-001181-1 | COAXIAL LPF (CUSTOM DEVICE) | |
| Q1 | SFN-2SK878 | GaAs N-channel HEMT | |
| U1 | SIA-7808U | VOLTAGE REGULATOR 8V | |
| | | | |
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**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLC-017027X01 (1 of 5)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| C1 -4 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C5 -8 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C9 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C10 | CCP-BA10P50V | FXD | CHIP | 10pF | ±0.5pF | 50V | |
| C11 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C12 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C13 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C14 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C15 | CCK-CH33U25V | FXD | ELECT | 33μF | ±20% | 25V | |
| C16 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C17 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C18 -19 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C20 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C21 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C22 -23 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C24 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C25 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C26 -27 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C28 -31 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C32 -33 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C34 -36 | CCP-BA5P50V | FXD | CHIP | 5pF | ±0.25pF | 50V | |
| C37 | CCP-BA2P50V | FXD | CHIP | 2pF | ±0.25pF | 50V | |
| C38 | CCP-BA27P50V | FXD | CHIP | 27pF | ±5% | 50V | |
| C39 | CCK-CH33U25V | FXD | ELECT | 33μF | ±20% | 25V | |
| C41 -54 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C55 | CCP-BA2P50V | FXD | CHIP | 2pF | ±0.25pF | 50V | |
| C57 | CCP-AV150PR1K | FXD | MICA | 150pF | ±2% | 50V | |
| C58 | CCP-BA47P50V | FXD | CHIP | 47pF | ±5% | 50V | |
| C59 | CCP-AW470PR1K | FXD | MICA | 470pF | ±1% | 50V | |
| C60 | CCK-CH6R8U25V | FXD | ELECT | 6.8μF | ±20% | 25V | |
| C61 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C62 -63 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C64 -67 | CCP-BA01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C69 -72 | CCP-ACR5P50V | FXD | CHIP | 0.5pF | ±0.25pF | 50V | |
| C73 | CCP-BA3P50V | FXD | CHIP | 3pF | ±0.25pF | 50V | |
| C74 | CCP-BA27P50V | FXD | CHIP | 27pF | ±5% | 50V | |
| C75 | CTM-BL40P | VAR | CTM | 40pF | +50%-0% | 50V | |
| D1 -9 | SDS-1SS279-1 | SI SWITCHING DIODE | | | | | |
| D10 -12 | SDS-1SV196S-1 | SI PIN DIODE | | | | | |
| D13 -14 | SDS-1SS279-1 | Si Switching Diode | | | | | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLC-017027X01 (2 of 5)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| FB1 | DEE-001484 | FERRITE BEADS | |
| FL1 -2 | DNF-001840-1 | HELICAL BPF 421.4MHz (CUSTOM DEVICE) | |
| J1 -2 | JCF-BA001JX01 | CONNECTOR FL | |
| L1 | LCL-E00935 | FXD CHIP 39nH ±20% | |
| L2 | LCL-C01178-1 | COIL (CUSTOM DEVICE) | |
| L3 | LCL-C01202-1 | COIL (CUSTOM DEVICE) | |
| L4 | LCL-C01181-1 | COIL (CUSTOM DEVICE) | |
| L5 | LCL-E00935 | FXD CHIP 39nH ±20% | |
| L6 | LCL-C01202-1 | COIL (CUSTOM DEVICE) | |
| L7 | LCL-C00010 | COIL 180μH ±10% | |
| L8 | LCL-E00935 | FXD CHIP 39nH ±20% | |
| L9 | LCL-C01202-1 | COIL (CUSTOM DEVICE) | |
| L10 | LCL-E00935 | FXD CHIP 39nH ±20% | |
| L11 | LCL-C01202-1 | COIL (CUSTOM DEVICE) | |
| L12 | LCL-E00935 | FXD CHIP 39nH ±20% | |
| L13 | LCL-C01202-1 | COIL (CUSTOM DEVICE) | |
| L14 -15 | LCL-E00933 | COIL CHIP 22nH ±20% | |
| L16 | LCL-B00806 | COIL 330nH ±10% | |
| L17 | LCL-C01207-1 | VAR COIL 1.8μH ±10% (CUSTOM DEVICE) | |
| L18 | LCL-A00786 | COIL 110nH ±10% | |
| L19 | LCL-E00964 | COIL CHIP 10μH ±20% | |
| L20 -21 | LCL-C01203-1 | COIL (CUSTOM DEVICE) | |
| L22 | LCL-C00010 | COIL 180μH ±10% | |
| L23 | LCL-B00818 | COIL 15μH ±10% | |
| L24 | LCL-C01207-1 | VAR COIL 1.8μH ±10% (CUSTOM DEVICE) | |
| MX1 | DEE-001911-1 | DBM (CUSTOM DEVICE) | |
| P12 | JCI-AT001JX06-2 | SOCKET | |
| PI1 | JCI-AT001JX06-2 | SOCKET | |
| Q1 -10 | STN-2SC3357-1 | TRANSISTOR NPN LOW NOISE ft = 6GHz | |
| R1 -3 | RCP-AJ10K | FXD CHIP 10kΩ ±5% 1/10W | |
| R4 -5 | RCP-AJ3R9K | FXD CHIP 3.9kΩ ±5% 1/10W | |
| R6 | RCP-AJ1R8K | FXD CHIP 1.8kΩ ±5% 1/10W | |
| R7 -8 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R9 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R10 | RCP-AJ220 | FXD CHIP 220Ω ±5% 1/10W | |
| R11 | RCP-AJ100 | FXD CHIP 100Ω ±5% 1/10W | |
| R13 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R14 | RCP-AJ3R9K | FXD CHIP 3.9kΩ ±5% 1/10W | |
| R15 | RCP-AJ1R8K | FXD CHIP 1.8kΩ ±5% 1/10W | |
| R16 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLC-017027X01 (3 of 5)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R17 | RCP-AX0 | FXD | CHIP | 0Ω | ±5% | 1/10W | |
| R18 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10W | |
| R19 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R21 | RCP-AX0 | FXD | CHIP | 0Ω | ±5% | 1/10W | |
| R22 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10W | |
| R23 | RCP-AJ1K | FXD | CHIP | 1kΩ | ±5% | 1/10W | |
| R24 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10W | |
| R25 -26 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10W | |
| R28 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R29 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10W | |
| R30 | RCP-AJ15 | FXD | CHIP | 15Ω | ±5% | 1/10W | |
| R32 | RCP-AJ150 | FXD | CHIP | 150Ω | ±5% | 1/10W | |
| R33 | RCP-AJ3R9K | FXD | CHIP | 3.9kΩ | ±5% | 1/10W | |
| R34 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10W | |
| R35 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10W | |
| R36 -37 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10W | |
| R38 | RCP-AJ8R2 | FXD | CHIP | 8.2Ω | ±5% | 1/10W | |
| R39 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R40 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10W | |
| R41 | RCP-AJ15 | FXD | CHIP | 15Ω | ±5% | 1/10W | |
| R42 | RCP-AJ470 | FXD | CHIP | 470Ω | ±5% | 1/10W | |
| R43 | RCP-AJ150 | FXD | CHIP | 150Ω | ±5% | 1/10W | |
| R44 | RCP-AJ3R9K | FXD | CHIP | 3.9kΩ | ±5% | 1/10W | |
| R45 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10W | |
| R46 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10W | |
| R47 -48 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10W | |
| R49 | RCP-AJ8R2 | FXD | CHIP | 8.2Ω | ±5% | 1/10W | |
| R50 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R51 | RCP-AJ150 | FXD | CHIP | 150Ω | ±5% | 1/10W | |
| R52 | RCP-AX0 | FXD | CHIP | 0Ω | ±5% | 1/10W | |
| R53 | RCP-AJ150 | FXD | CHIP | 150Ω | ±5% | 1/10W | |
| R54 | RCP-AJ82 | FXD | CHIP | 82Ω | ±5% | 1/10W | |
| R55 | RCP-AJ100 | FXD | CHIP | 100Ω | ±5% | 1/10W | |
| R56 | RCP-AJ82 | FXD | CHIP | 82Ω | ±5% | 1/10W | |
| R57 | RCP-AJ3R9K | FXD | CHIP | 3.9kΩ | ±5% | 1/10W | |
| R58 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10W | |
| R59 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10W | |
| R60 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R61 | RCP-AJ150 | FXD | CHIP | 150Ω | ±5% | 1/10W | |
| R62 | RCP-AJ39 | FXD | CHIP | 39Ω | ±5% | 1/10W | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLC-017027X01 (4 of 5)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R63 | RCP-AJ150 | FXD | CHIP | 150Ω | ±5% | 1/10/W | |
| R64 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10/W | |
| R65 | RCP-AJ1K | FXD | CHIP | 1kΩ | ±5% | 1/10/W | |
| R66 -67 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10/W | |
| R68 | RCP-AJ3R9K | FXD | CHIP | 3.9kΩ | ±5% | 1/10/W | |
| R69 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10W | |
| R70 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10W | |
| R71 -72 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10W | |
| R73 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R74 | RCP-AJ51 | FXD | CHIP | 51Ω | ±5% | 1/10W | |
| R75 | RCP-AJ1K | FXD | CHIP | 1kΩ | ±5% | 1/10W | |
| R76 -77 | RCP-AJ3R9K | FXD | CHIP | 3.9kΩ | ±5% | 1/10W | |
| R78 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10W | |
| R79 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R80 -81 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10W | |
| R82 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R83 | REE-AT422S47 | RESISTOR | | 47Ω | ±5% | 1/6W TC = +4200ppm/°C | |
| R84 -85 | RCP-AJ1K | FXD | CHIP | 1kΩ | ±5% | 1/10W | |
| R86 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10W | |
| R87 | RCP-AJ1K | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R88 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R89 -90 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10W | |
| R91 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R92 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10W | |
| R93 -94 | RCP-AJ1K | FXD | CHIP | 1kΩ | ±5% | 1/10W | |
| R95 | RCP-AJ22 | FXD | CHIP | 22Ω | ±5% | 1/10W | |
| R96 | RCP-AJ51 | FXD | CHIP | 51Ω | ±5% | 1/10W | |
| R97 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10W | |
| R98 | RCP-AJ15 | FXD | CHIP | 15Ω | ±5% | 1/10W | |
| R99 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10W | |
| R100 | RCP-AJ220 | FXD | CHIP | 220Ω | ±5% | 1/10W | |
| R101 | RCP-AJ3R3 | FXD | CHIP | 3.3Ω | ±5% | 1/10W | |
| R102 | RCP-AJ3R9K | FXD | CHIP | 3.9kΩ | ±5% | 1/10W | |
| R103 | RCP-AJ10K | FXD | CHIP | 10kΩ | ±5% | 1/10W | |
| R104 -105 | RCP-AJ15 | FXD | CHIP | 15Ω | ±5% | 1/10W | |
| R106 | RCP-AJ82 | FXD | CHIP | 82Ω | ±5% | 1/10W | |
| R107 | RCP-AJ10K | FXD | CHIP | 10kΩ | ±5% | 1/10W | |
| R108 | RCP-AJ330 | FXD | CHIP | 330Ω | ±5% | 1/10W | |
| R109 | RCP-AX0 | FXD | CHIP | 0Ω | ±5% | 1/10W | |
| R110 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BLC-017027X01 (5 of 5)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| R111 | RCB-AH100 | FXD CHIP 100Ω ±5% 1/10W | |
| R113 -114 | RCP-AJ330 | FXD CHIP 330Ω ±5% 1/10W | |
| R115 | RCP-AJ8R2K | FXD CHIP 8.2kΩ ±5% 1/10W | |
| SP1 | JTE-BV002EX02-1 | SHORT PIN | |
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**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BTF-017356 (1 of 2)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| C1 -2 | CCP-BA220P50V | FXD CHIP 220pF ±5% 50V | |
| C3 -4 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C5 | CCP-BAR01U50V | FXD CHIP 0.01μF ±10% 50V | |
| C6 | CCP-BA220P50V | FXD CHIP 220pF ±5% 50V | |
| C7 -8 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C9 | CCP-BAR01U50V | FXD CHIP 0.01μF ±10% 50V | |
| C10 | CCP-BA220P50V | FXD CHIP 220pF ±5% 50V | |
| C11 | CCP-BA1P50V | FXD CHIP 1pF ±10% 50V | |
| C12 -13 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C14 | CCP-BAR01U50V | FXD CHIP 0.01μF ±10% 50V | |
| C15 | CCP-BA2P50V | FXD CHIP 2pF ±0.25pF 50V | |
| C16 | CCP-BA18P50V | FXD CHIP 18pF ±5% 50V | |
| C17 | CCP-BA22P50V | FXD CHIP 22pF ±5% 50V | |
| C18 | CCP-BAR01U50V | FXD CHIP 0.01μF ±10% 50V | |
| C19 -20 | CCP-BA220P50V | FXD CHIP 220pF ±5% 50V | |
| C21 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C22 | CCP-BA220P50V | FXD CHIP 220pF ±5% 50V | |
| D1 -2 | SDZ-M027 | ZENNER DIODE 2.7V | |
| D3 | SDS-ND587T | SHOTTKEY BARRIER GaAs DIODE PAIR Ct = 0.26pF | |
| D4 | SDS-1SS101 | SHOTTKEY BARRIER SI DIODE PAIR Ct = 2.0pF | |
| L1 | LCL-A00668 | FXD COIL 11nH | |
| Q1 | SFN-2SK878 | ALGaAs/GaAs HEMT | |
| Q2 | STP-2SA812 | TRANSISTOR PNP | |
| Q3 | STN-2SC3604 | TRANSISTOR NPN Low Noise & High Gain ft = 9GHz | |
| Q4 | STP-2SA812 | TRANSISTOR PNP | |
| Q5 | SFN-FSC10LF | GaAs FET Low Noise | |
| Q6 | STP-2SA812 | TRANSISTOR NPN | |
| Q7 | STN-2SC3604 | TRANSISTOR NPN Low Noise & High Gain ft = 9GHz | |
| R1 | RCP-AJ1R8K | FXD CHIP 1.8kΩ ±5% 1/10W | |
| R2 | RCP-AJ1R2K | FXD CHIP 1.2kΩ ±5% 1/10W | |
| R3 | RCP-AJ120 | FXD CHIP 120Ω ±5% 1/10W | |
| R4 | RCP-AJ100 | FXD CHIP 100Ω ±5% 1/10W | |
| R5 -6 | RCP-AJ10K | FXD CHIP 10kΩ ±5% 1/10W | |
| R7 | RCP-AJ51 | FXD CHIP 51Ω ±5% 1/10W | |
| R8 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R9 | RCP-AJ3R3K | FXD CHIP 3.3kΩ ±5% 1/10W | |
| R10 | RCP-AJ750 | FXD CHIP 750Ω ±5% 1/10W | |
| R11 | RCP-AJ47 | FXD CHIP 47Ω ±5% 1/10W | |
| R12 | RCP-AJ10 | FXD CHIP 10Ω ±5% 1/10W | |
| R13 -14 | RCP-AJ51 | FXD CHIP 51Ω ±5% 1/10W | |

**R3265A/3271A**
**2nd, 3rd CONVERTER**
**BTF-017356 (2 of 2)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R15 | RCP-AJ10 | FXD | CHIP | 10Ω | ±5% | 1/10W | |
| R16 | RCP-AJ1R8K | FXD | CHIP | 1.8kΩ | ±5% | 1/10W | |
| R17 | RCP-AJ820 | FXD | CHIP | 820Ω | ±5% | 1/10W | |
| R18 | RCP-AJ62 | FXD | CHIP | 62Ω | ±5% | 1/10W | |
| R19 | RCP-AJ100 | FXD | CHIP | 100Ω | ±5% | 1/10W | |
| R20 | RCP-AH10K | FXD | CHIP | 10kΩ | ±5% | 1/10W | |
| R21 | RCP-AJ10K | FXD | CHIP | 10kΩ | ±5% | 1/10W | |
| R22 | RCP-AJ51 | FXD | CHIP | 51Ω | ±5% | 1/10W | |
| R26 | RCP-AJ68 | FXD | CHIP | 68Ω | ±5% | 1/10W | |
| R27 | RCP-AJ100 | FXD | CHIP | 100Ω | ±5% | 1/10W | |
| R28 | RCP-AJ100 | FXD | CHIP | 100Ω | ±5% | 1/10W | |
| R29 | RCP-AJ3R3K | FXD | CHIP | 3.3kΩ | ±5% | 1/10W | |
| R30 | RCP-AJ1K | FXD | CHIP | 1kΩ | ±5% | 1/10W | |
| R31 | RCP-AJ470 | FXD | CHIP | 470Ω | ±5% | 1/10W | |
| R32 -33 | RCP-AJ510 | FXD | CHIP | 510Ω | ±5% | 1/10W | |
| R34 | RCP-AJ51 | FXD | CHIP | 51Ω | ±5% | 1/10W | |
| R35 | RCP-AJ51 | FXD | CHIP | 51Ω | ±5% | 1/10W | |
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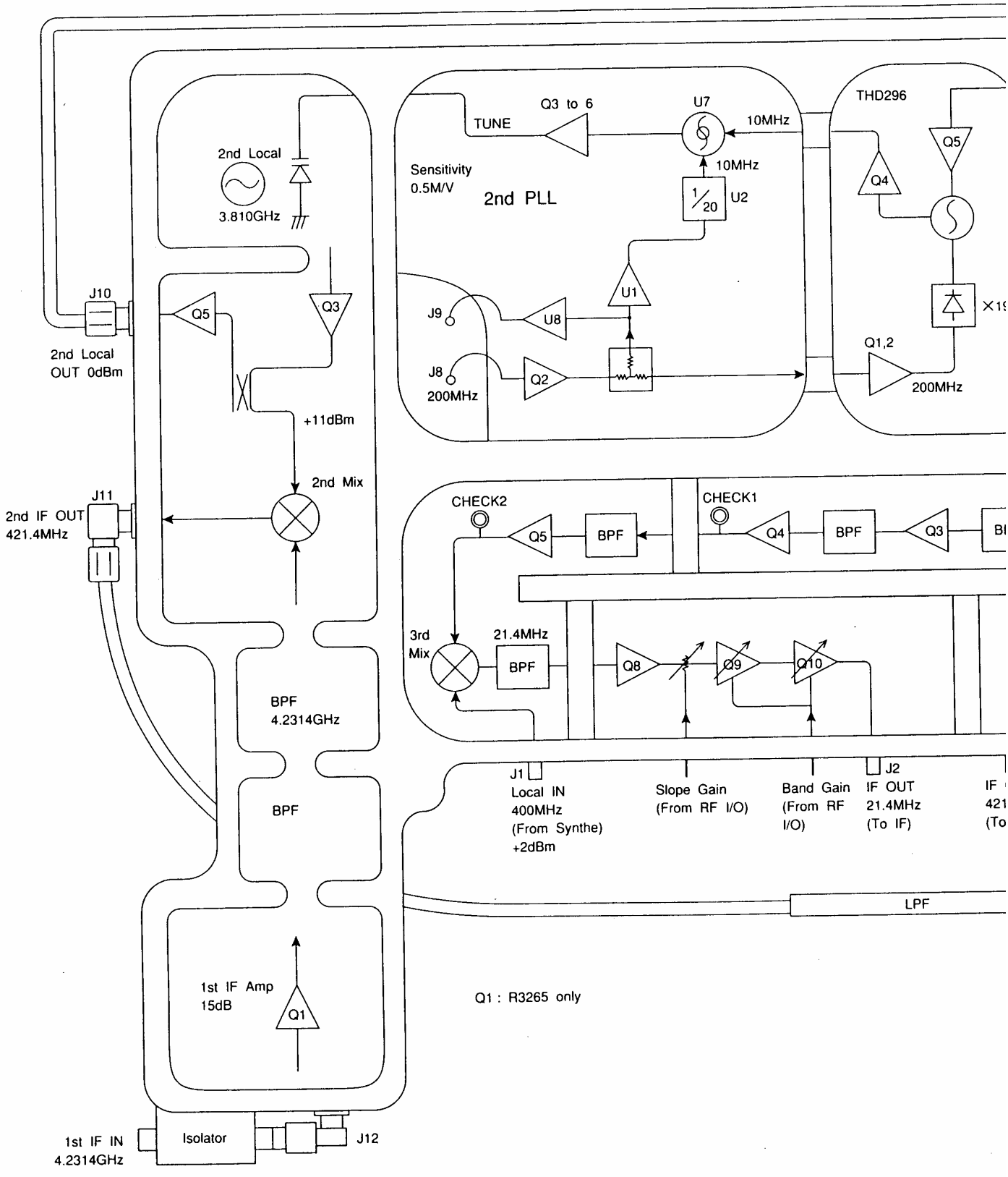
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J10
2nd Local
OUT 0dBm
Q5
Q3
+11dBm
2nd Mix
J11
2nd IF OUT
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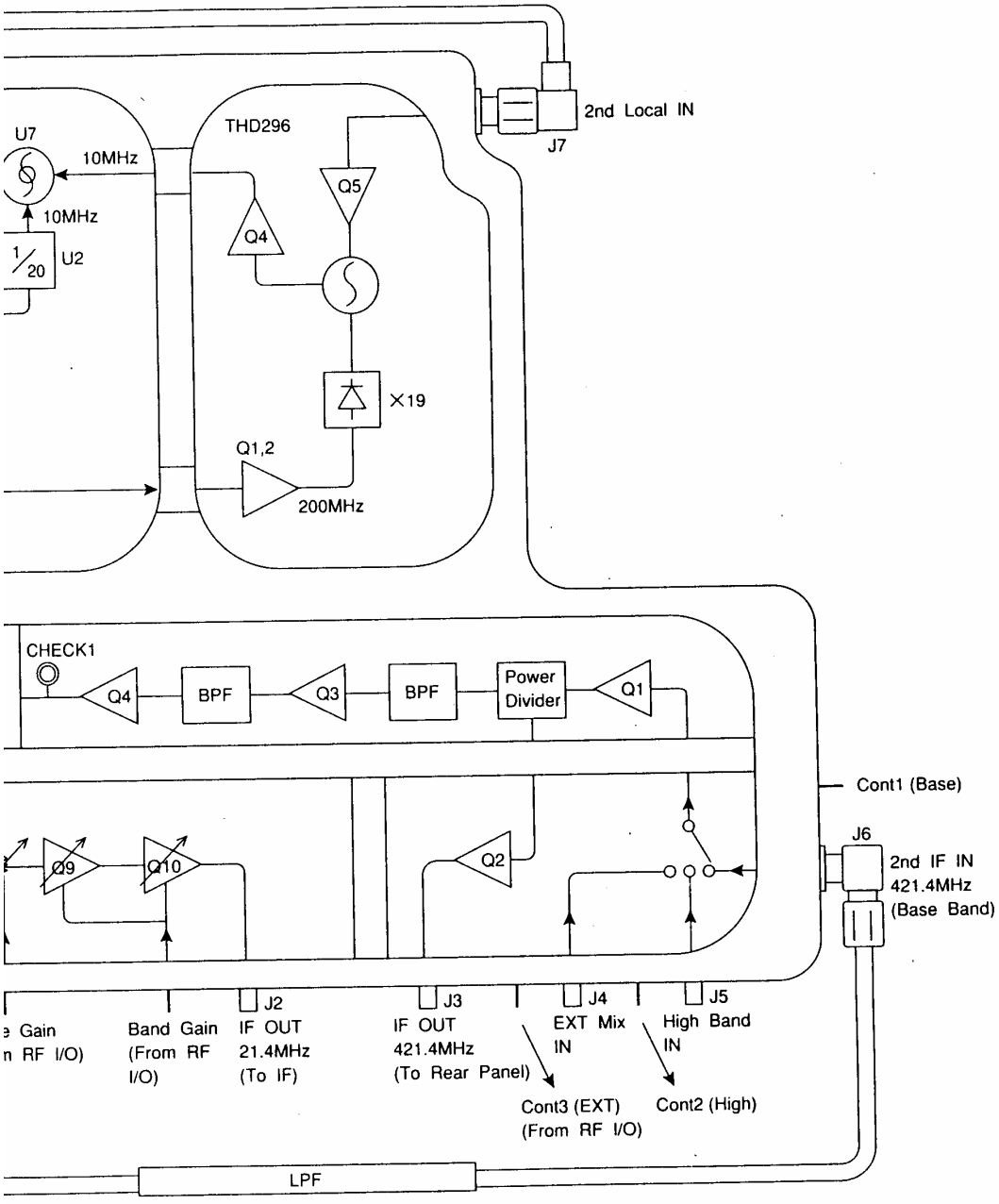
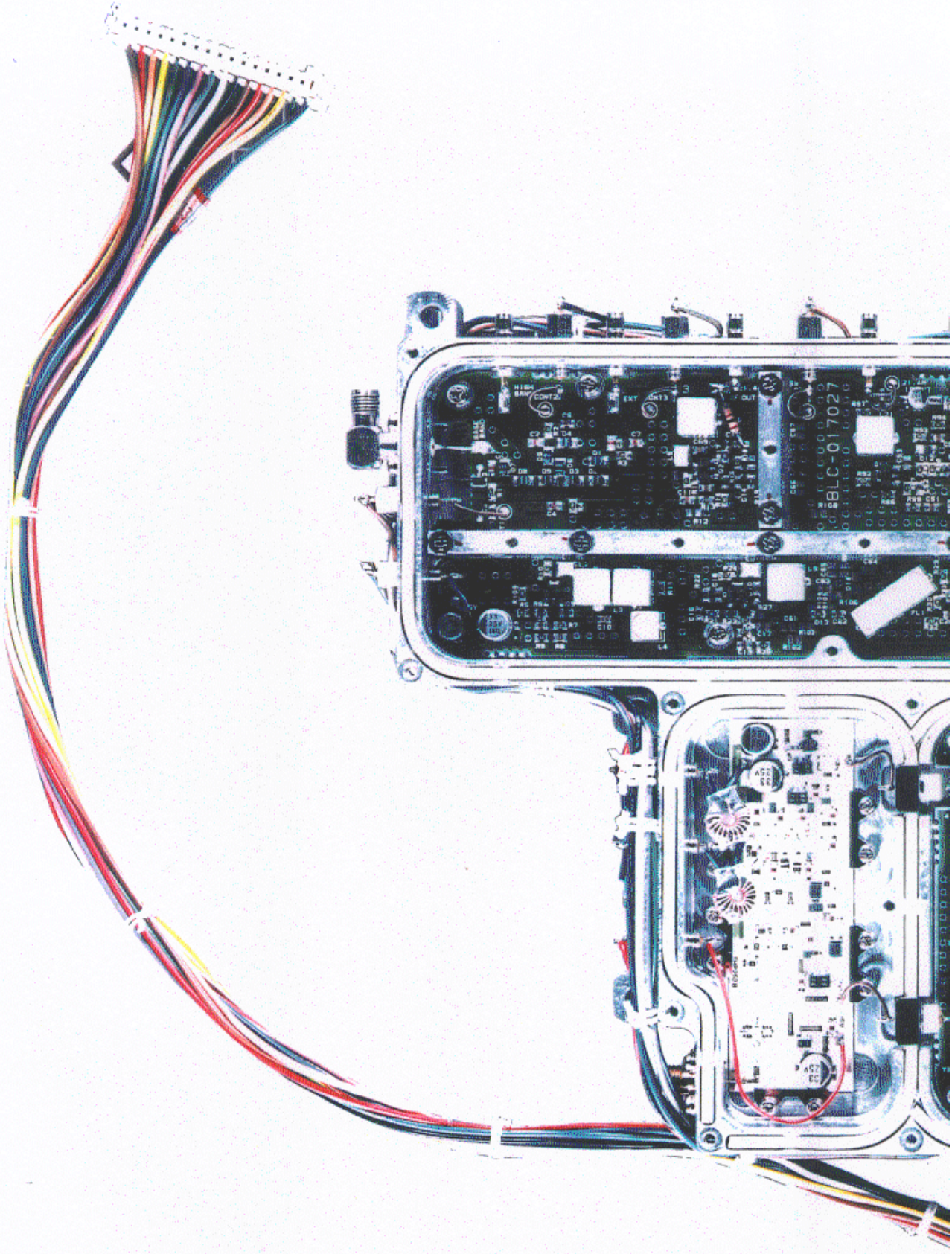
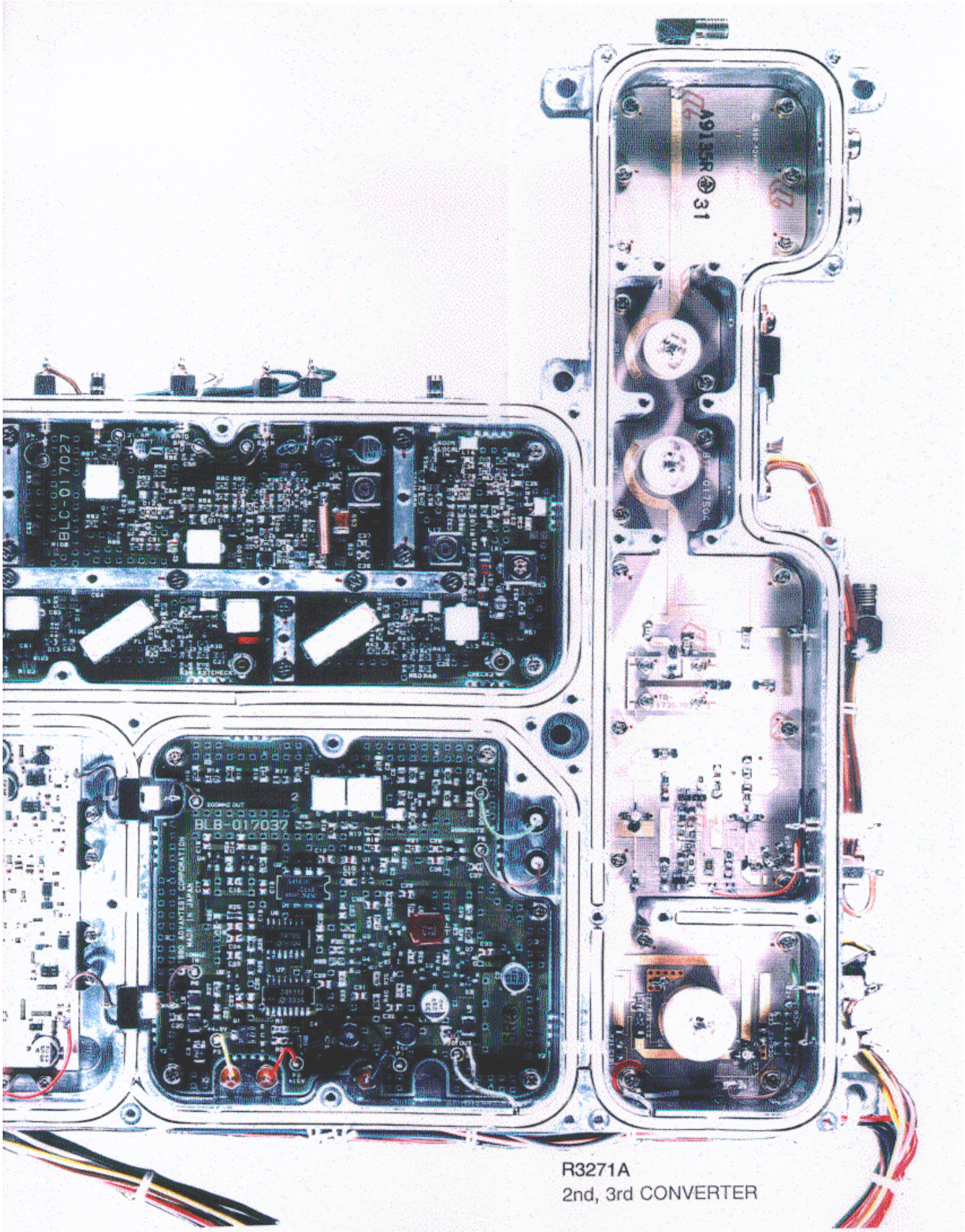
BPF
4.2314GHz
BPF
1st IF Amp
15dB
Q1
1st IF IN
4.2314GHz
Isolator
J12
TUNE
Q3 to 6
U7
10MHz
Sensitivity
0.5M/V
2nd PLL
10MHz
1/20
U2
U1
J9
U8
J8
200MHz
Q2
THD296
Q5
Q4
Q1,2
200MHz
CHECK2
Q5
BPF
CHECK1
Q4
BPF
Q3
3rd
Mix
21.4MHz
BPF
Q8
Q9
Q10
J1
Local IN
400MHz
(From Synthe)
+2dBm
Slope Gain
(From RF I/O)
Band Gain
(From RF
I/O)
J2
IF OUT
21.4MHz
(To IF)
LPF
Q1 : R3265 only

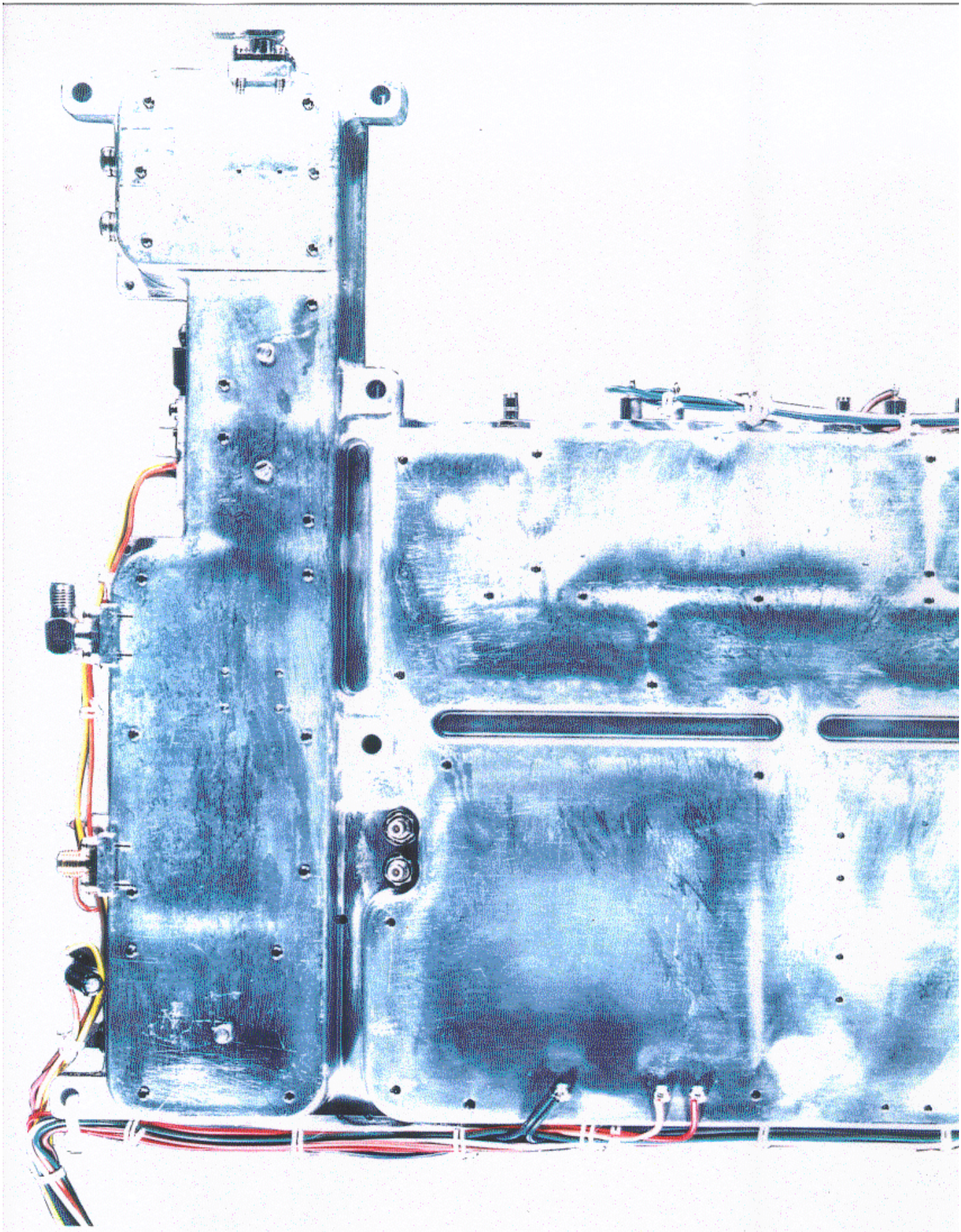


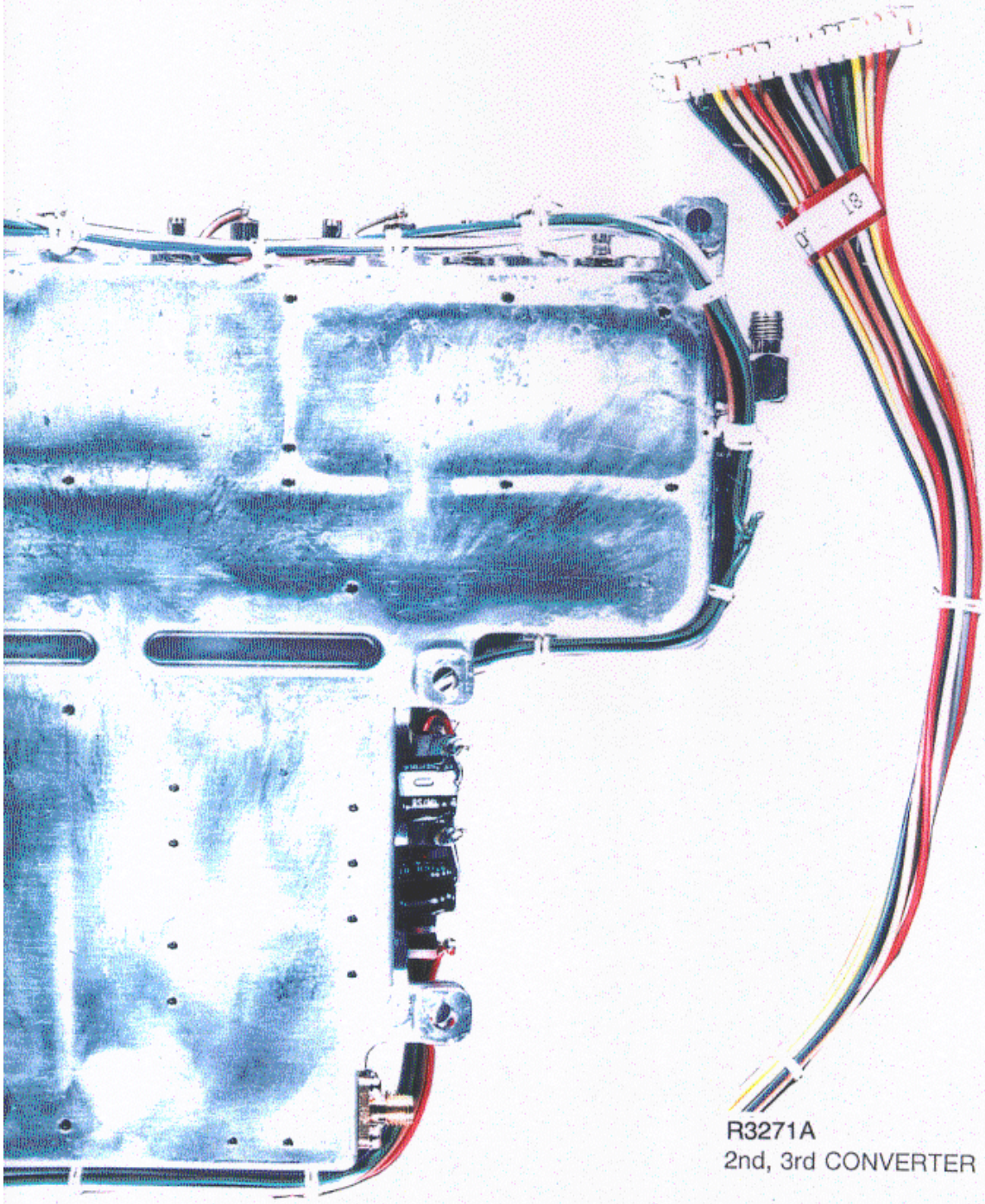

## 2nd, 3rd CONVERTER
## Circuit Layout


BLC-017027

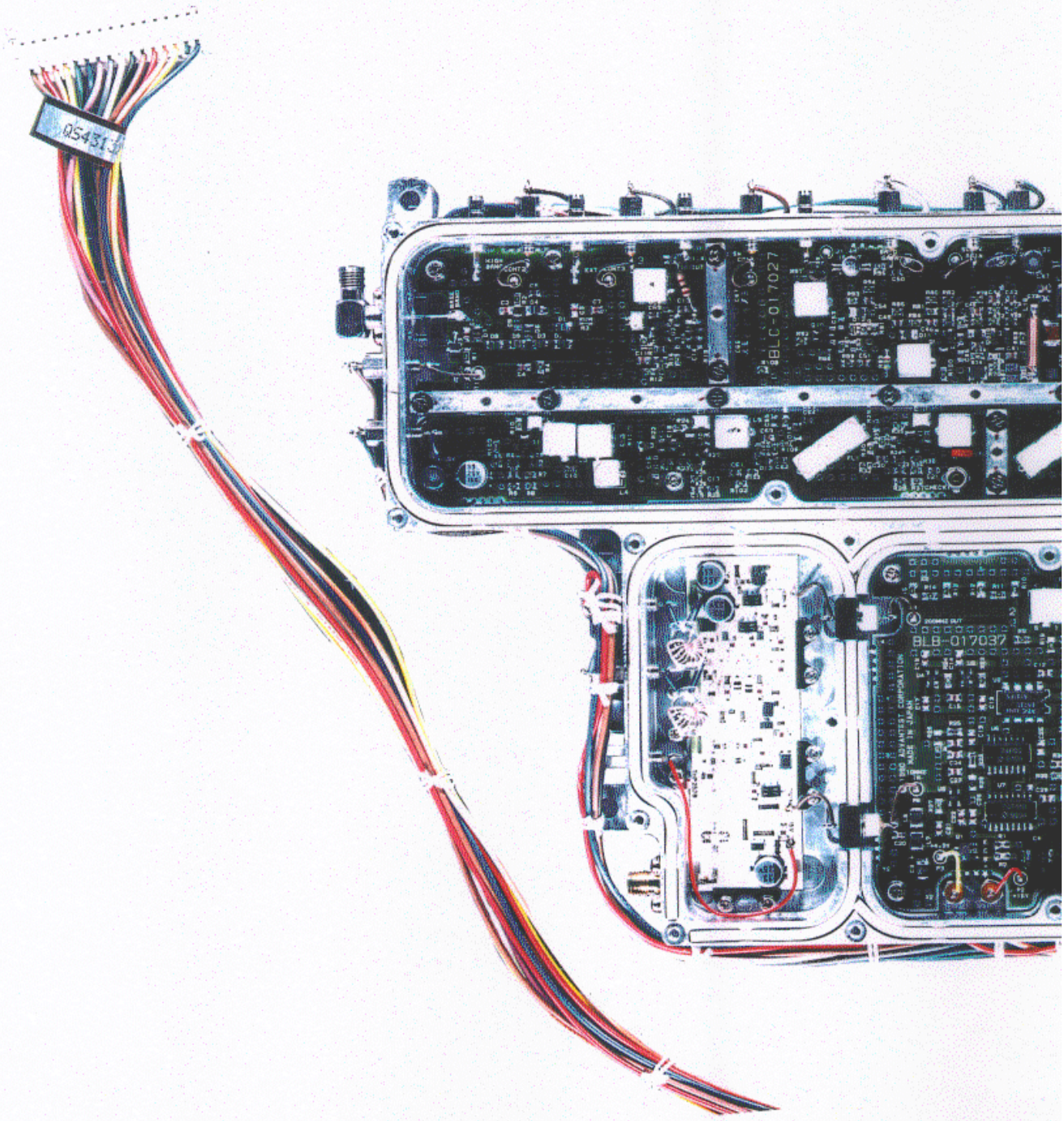


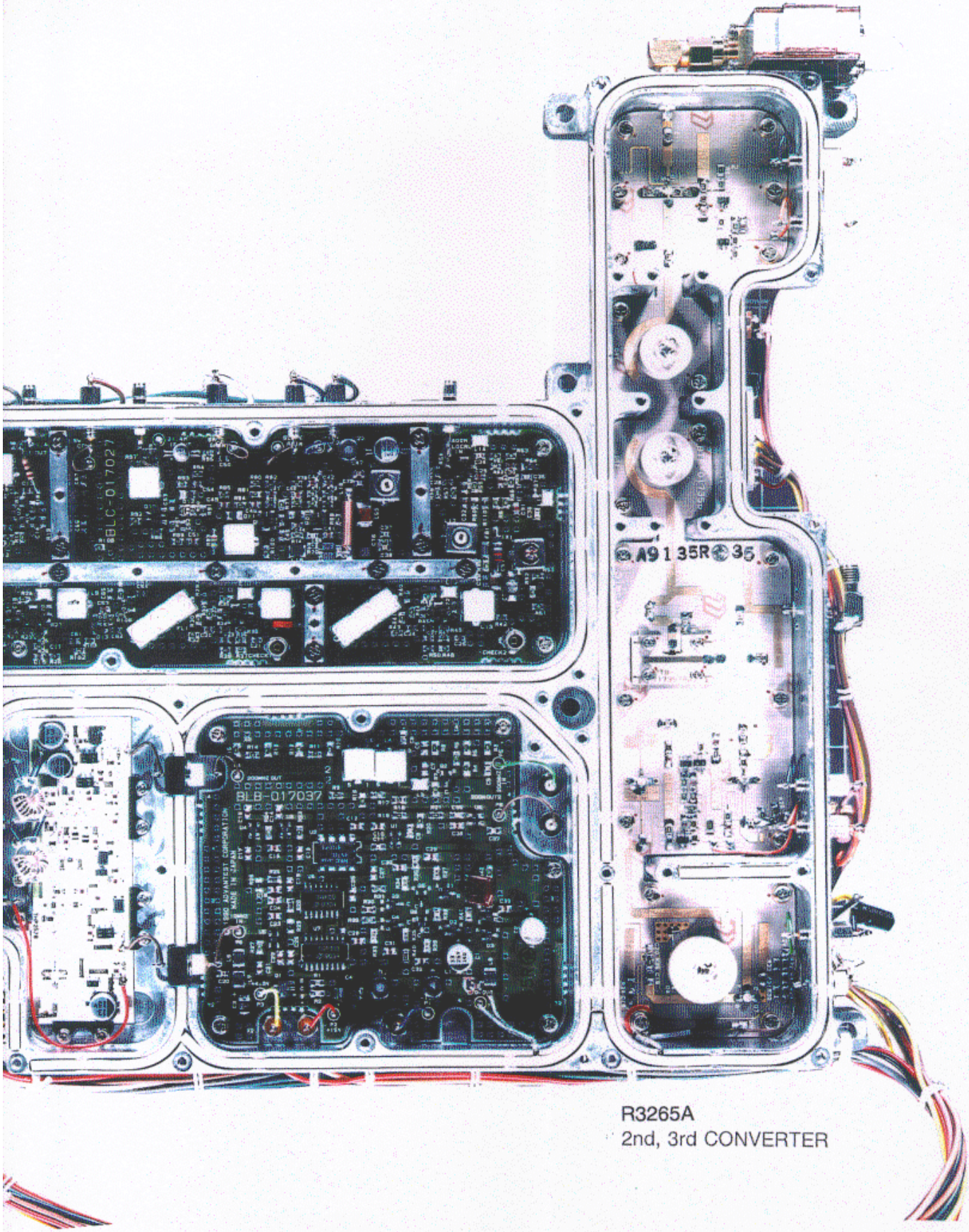

R3271A
2nd, 3rd CONVERTER



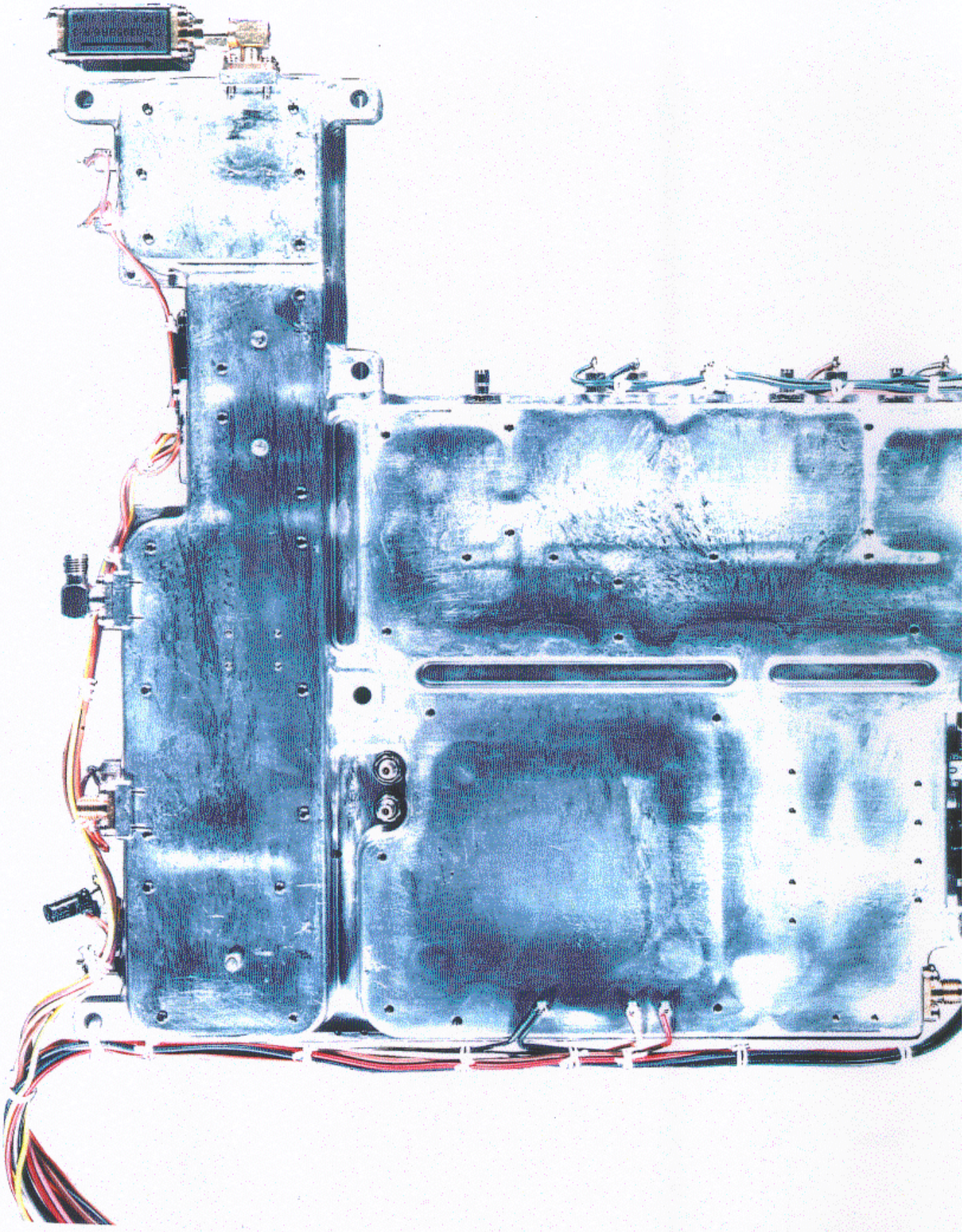


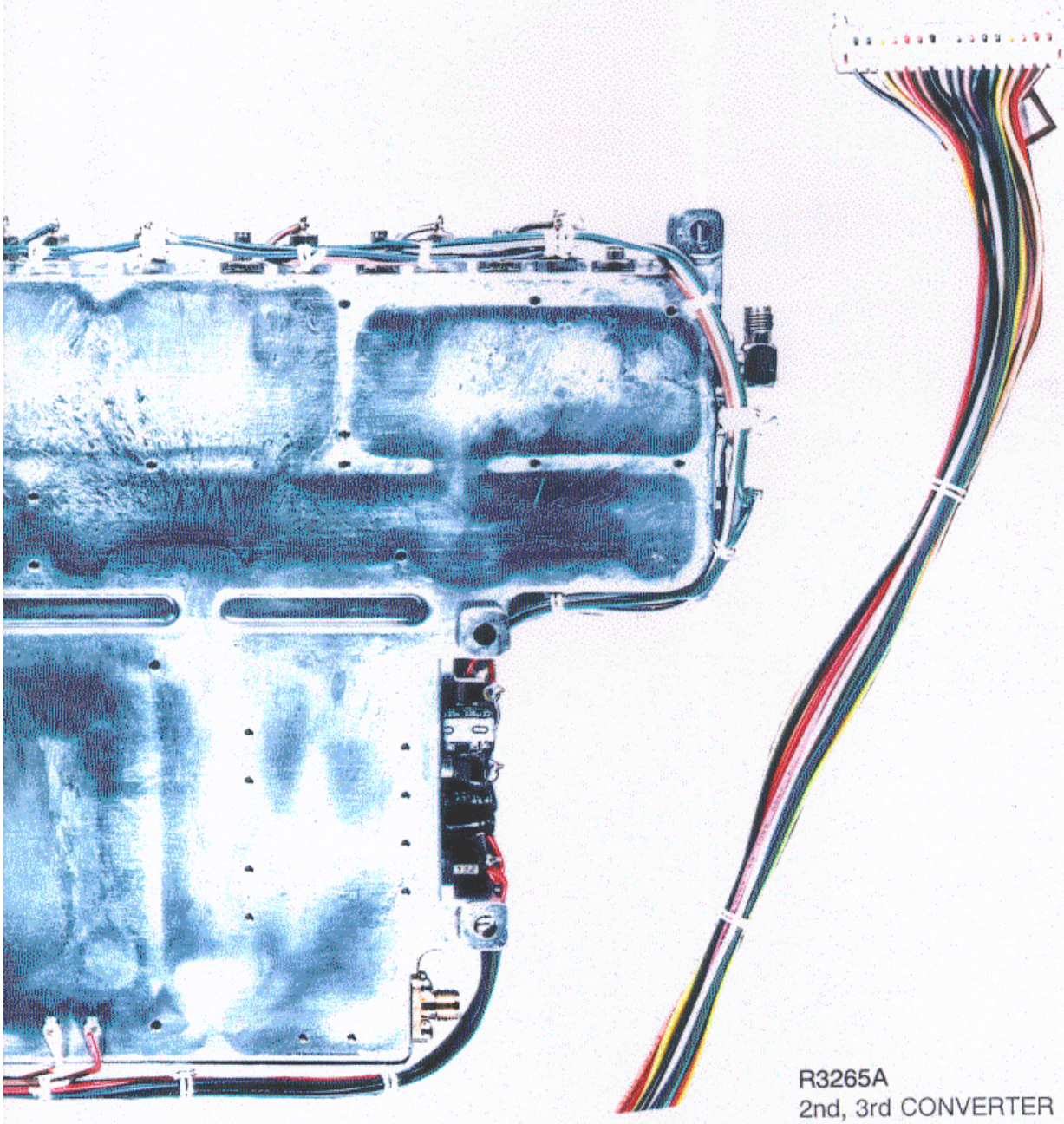
R3271A
2nd, 3rd CONVERTER


BLC-017027
BLB-017037

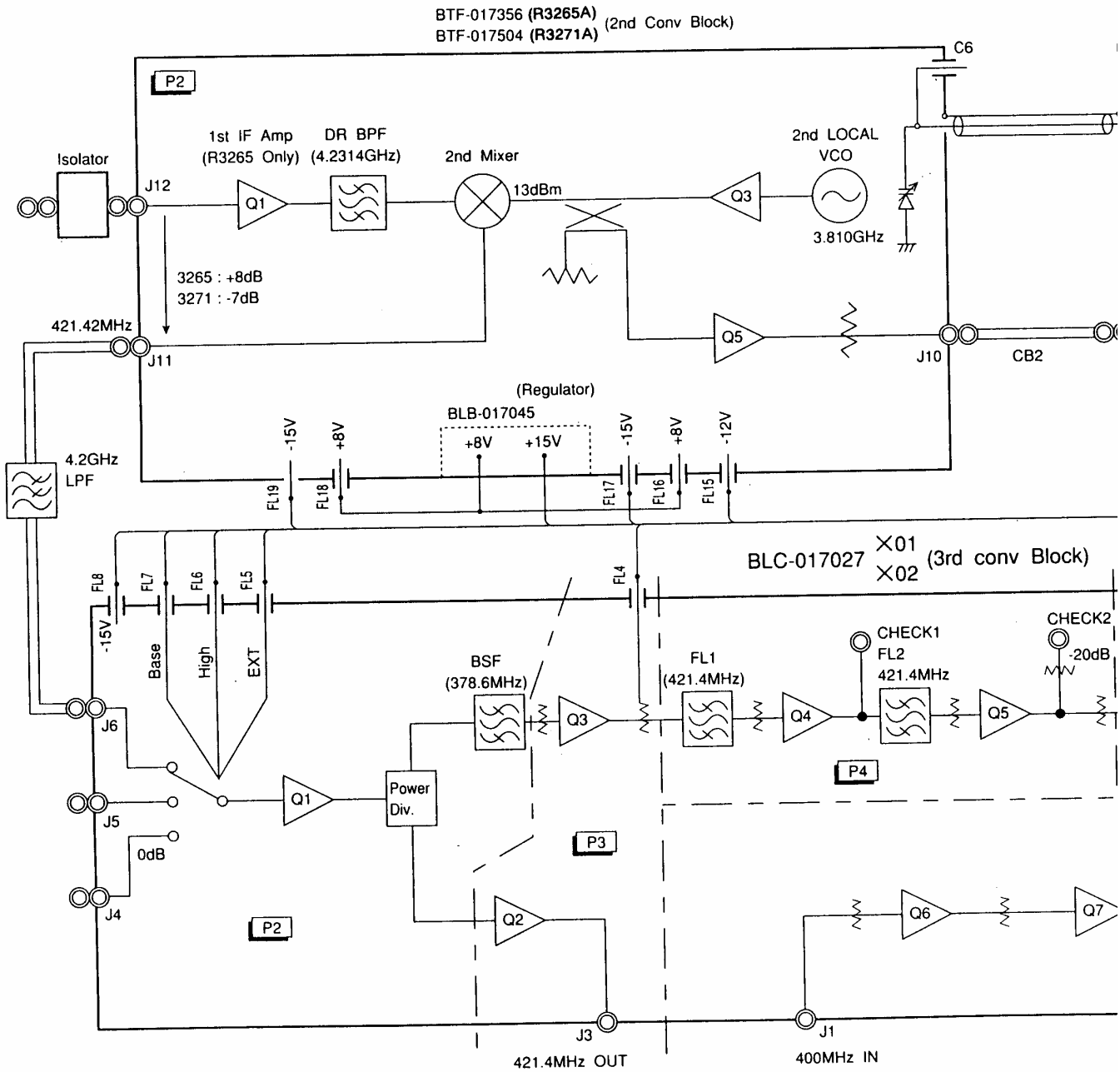


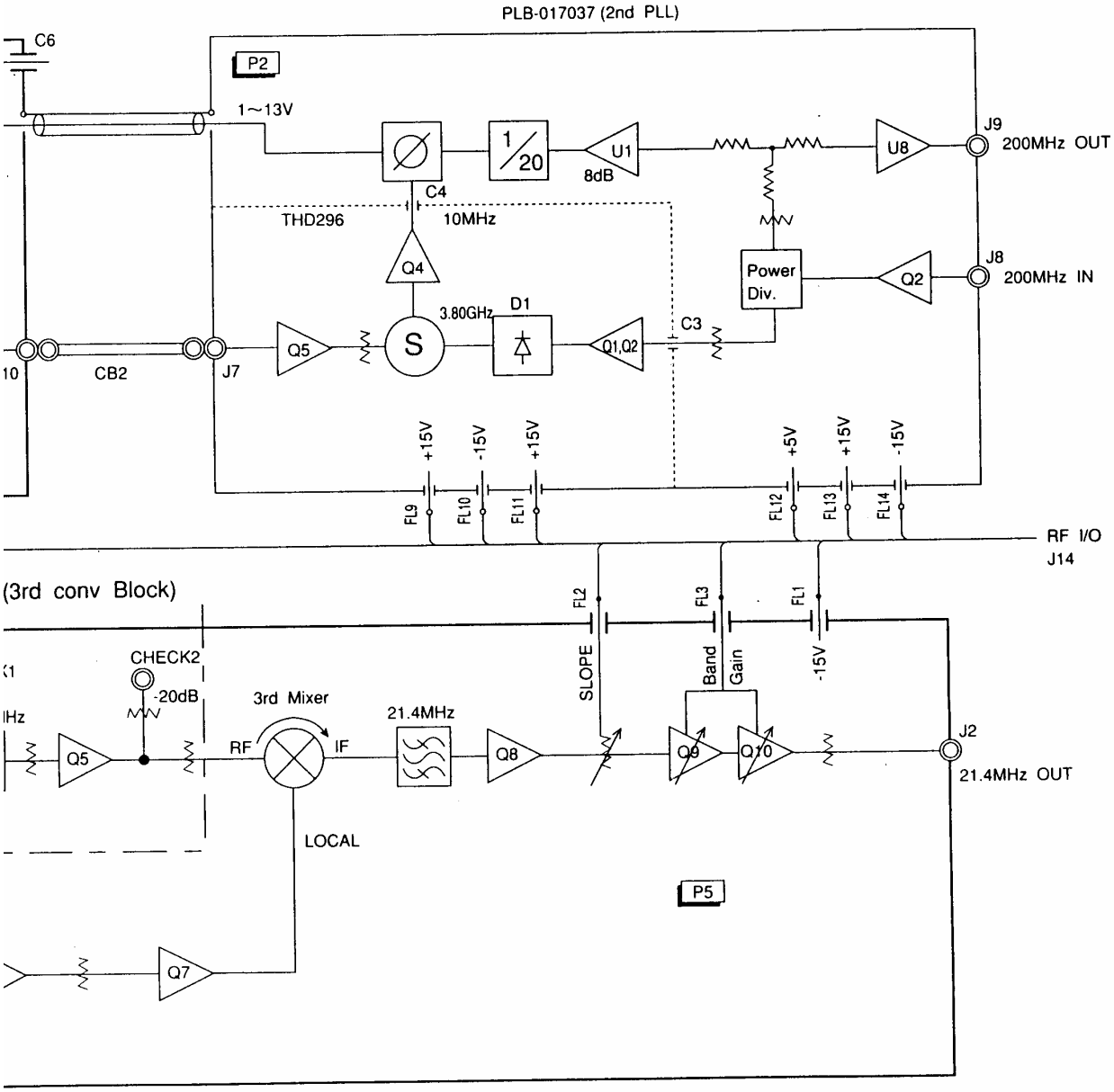

R3265A
2nd, 3rd CONVERTER





R3265A
2nd, 3rd CONVERTER


BTF-017356 (R3265A)
BTF-017504 (R3271A) (2nd Conv Block)
C6
P2
1st IF Amp
(R3265 Only)
DR BPF
(4.2314GHz)
2nd Mixer
2nd LOCAL
VCO
Isolator
J12
Q1
13dBm
Q3
3.810GHz
3265 : +8dB
3271 : -7dB
421.42MHz
J11
Q5
J10
CB2
(Regulator)
BLB-017045
+8V
+15V
-15V
+8V
-12V
4.2GHz
LPF
FL19
FL18
FL17
FL16
FL15
BLC-017027 ×01 ×02 (3rd conv Block)
FL8
FL7
FL6
FL5
FL4
-15V
Base
High
EXT
BSF
(378.6MHz)
FL1
(421.4MHz)
CHECK1
FL2
421.4MHz
CHECK2
-20dB
J6
Q3
Q4
Q5
P4
J5
Q1
Power
Div.
P3
0dB
J4
P2
Q2
Q6
Q7
J3
421.4MHz OUT
J1
400MHz IN


PLB-017037 (2nd PLL)
C6
P2
1~13V
1/20
U1
8dB
U8
J9
200MHz OUT
C4
THD296
10MHz
Q4
Power Div.
Q2
J8
200MHz IN
3.80GHz
D1
S
Q5
Q1,Q2
C3
10
CB2
J7
+15V
-15V
+15V
+5V
+15V
-15V
FL9
FL10
FL11
FL12
FL13
FL14
RF I/O
J14
(3rd conv Block)
FL2
FL3
FL1
SLOPE
Band
Gain
-15V
CHECK2
-20dB
3rd Mixer
21.4MHz
RF
IF
Q5
Q8
Q9
Q10
J2
21.4MHz OUT
LOCAL
P5
Q7

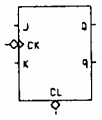
# ■ DIAGRAMS ILLUSTRATION

## SYMBOLS REFERENCE DESIGNATORS

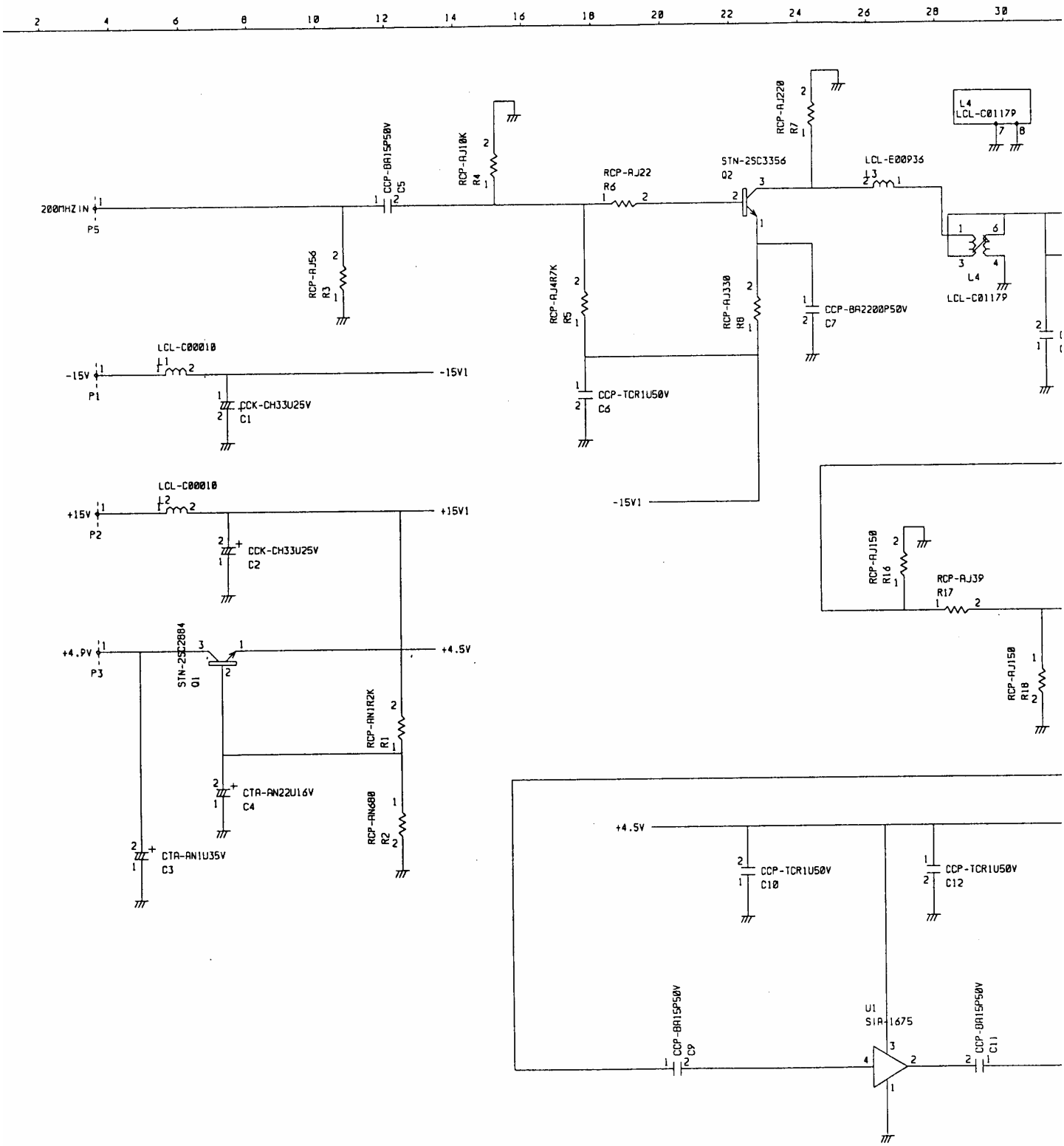
IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

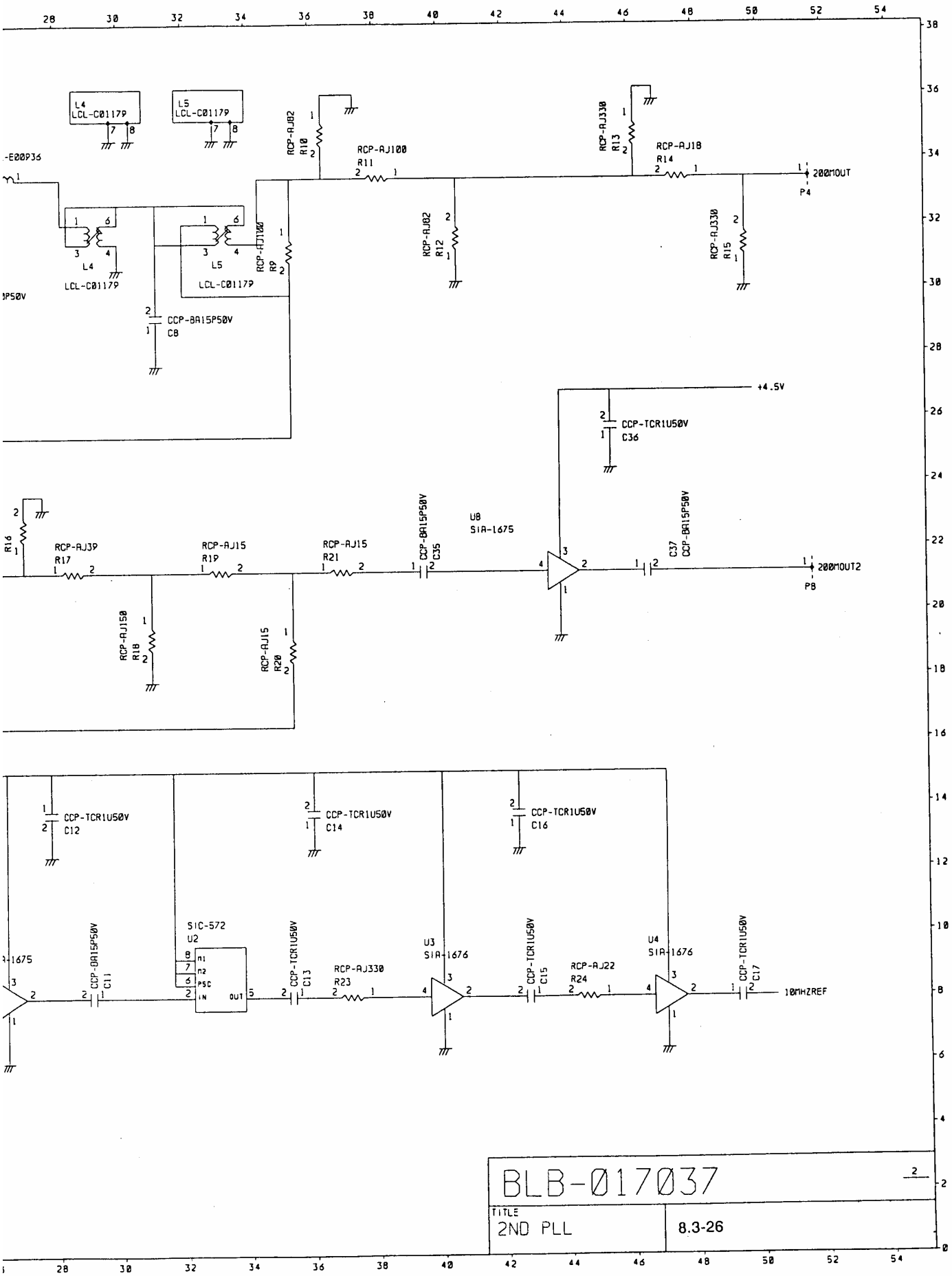
)RS

GATIVE LOGIC ARE
MALL LETTER)




| | |
|---|---|
| BLB-017037 | 1 |
| TITLE<br>2ND PLL | 8.3-25 |

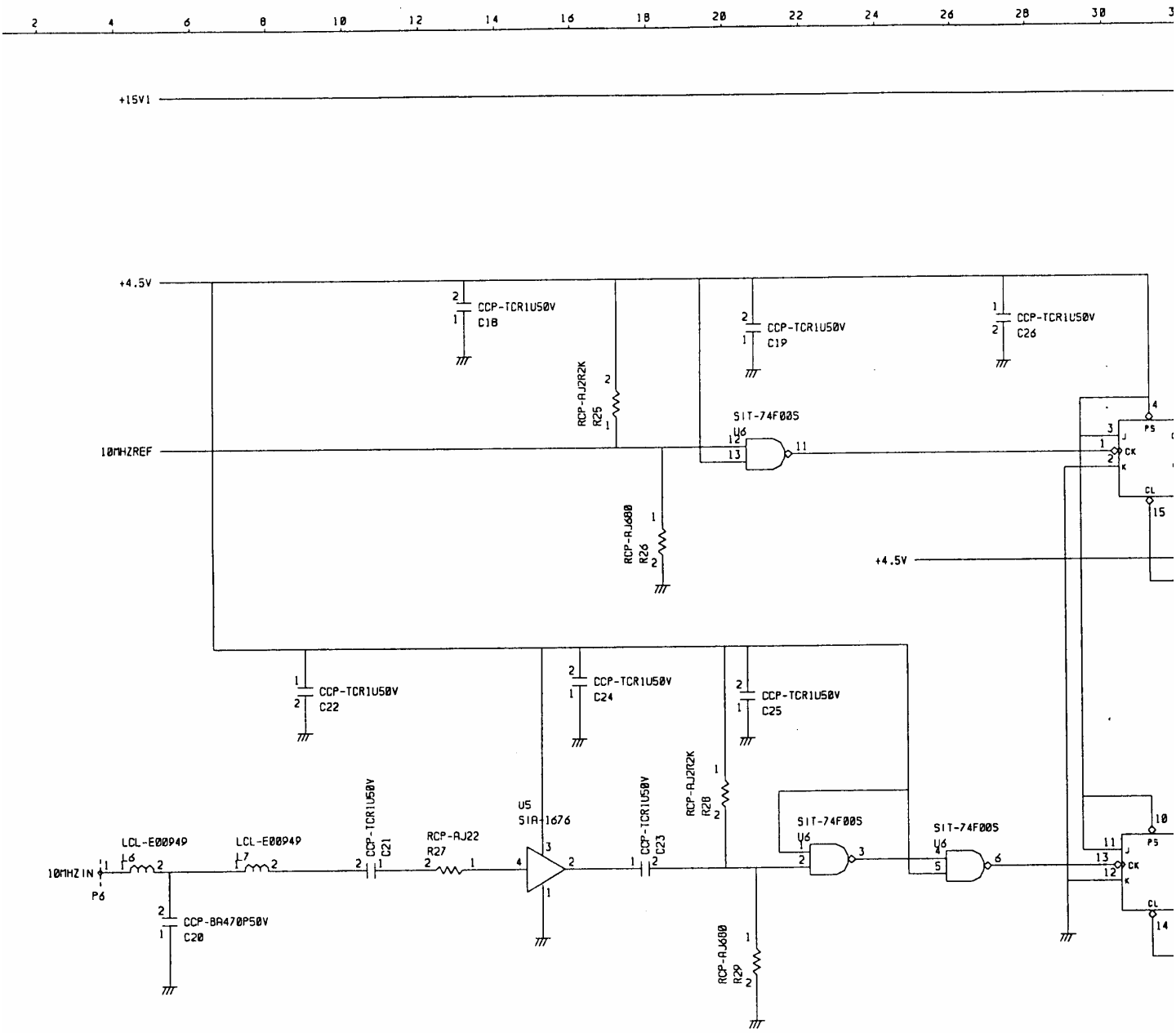

200MHZ IN
P5
CCP-BA15P50V
C5
RCP-AJ10K
R4
RCP-AJ22
R6
STN-2SC3356
Q2
RCP-AJ220
R7
LCL-E00P36
L3
L4
LCL-C01179
RCP-AJ56
R3
RCP-AJ4R7K
R5
RCP-AJ330
R8
CCP-BA2200P50V
C7
CCP-TCR1U50V
C6
-15V1
LCL-C00010
-15V
P1
CCK-CH33U25V
C1
+15V
P2
+15V1
C2
+4.PV
P3
STN-2SC2884
Q1
+4.5V
RCP-AN1R2K
R1
CTA-AN22U16V
C4
RCP-AN680
R2
CTA-AN1U35V
C3
RCP-AJ150
R16
RCP-AJ39
R17
RCP-AJ150
R18
CCP-TCR1U50V
C10
C12
CCP-BA15P50V
C9
C11
U1
SIA-1675



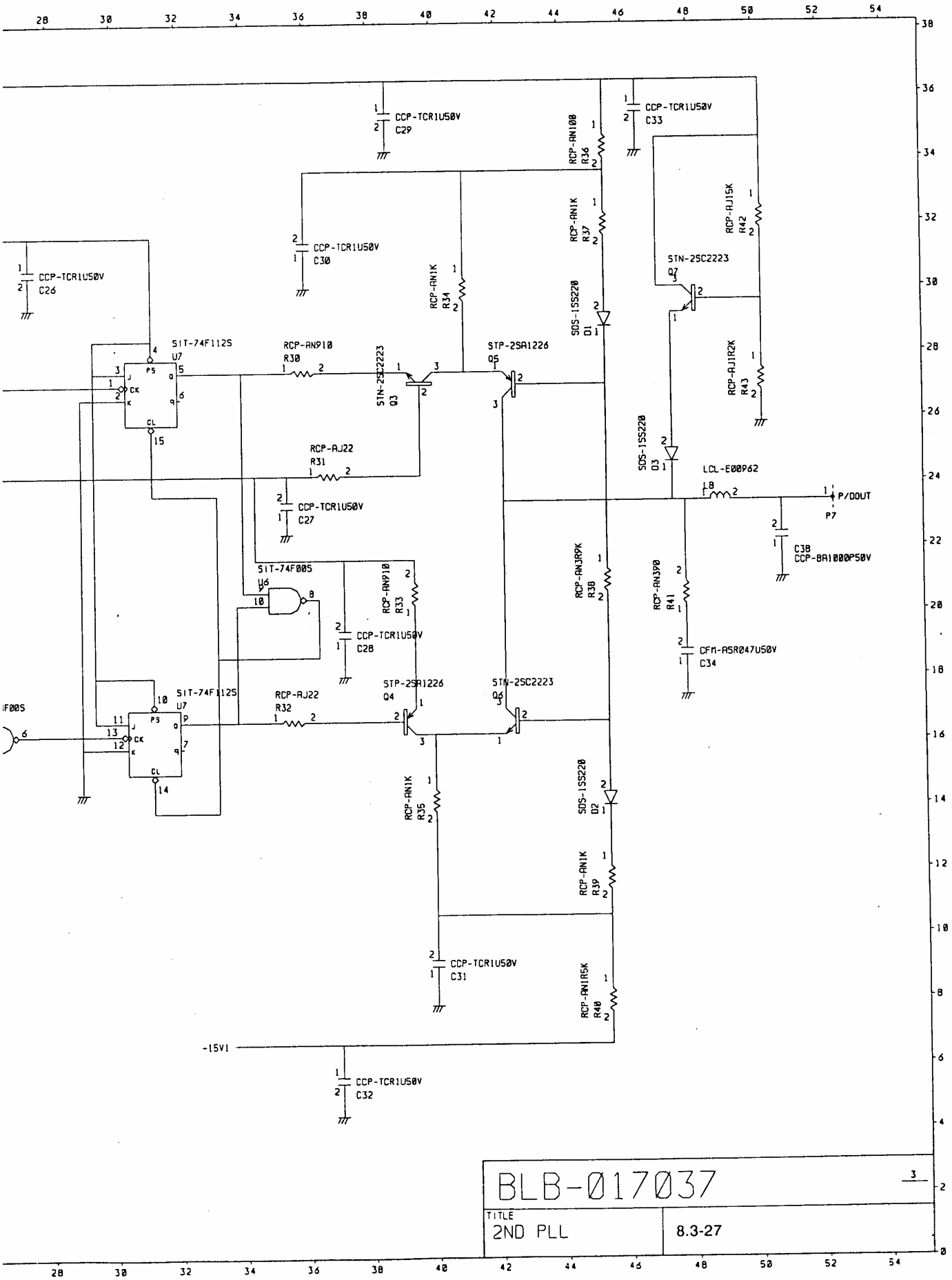

BLB-017037 2

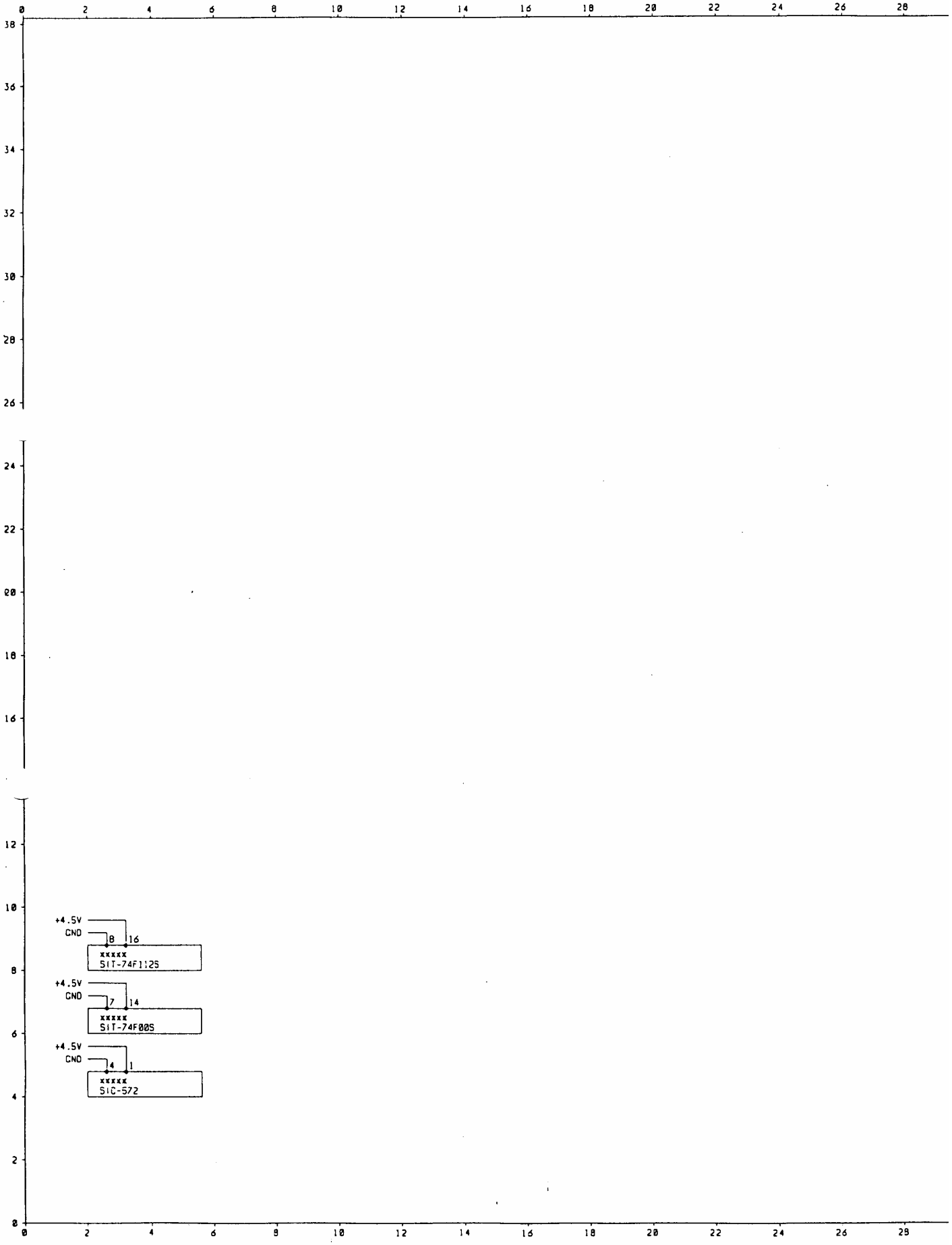
TITLE
2ND PLL

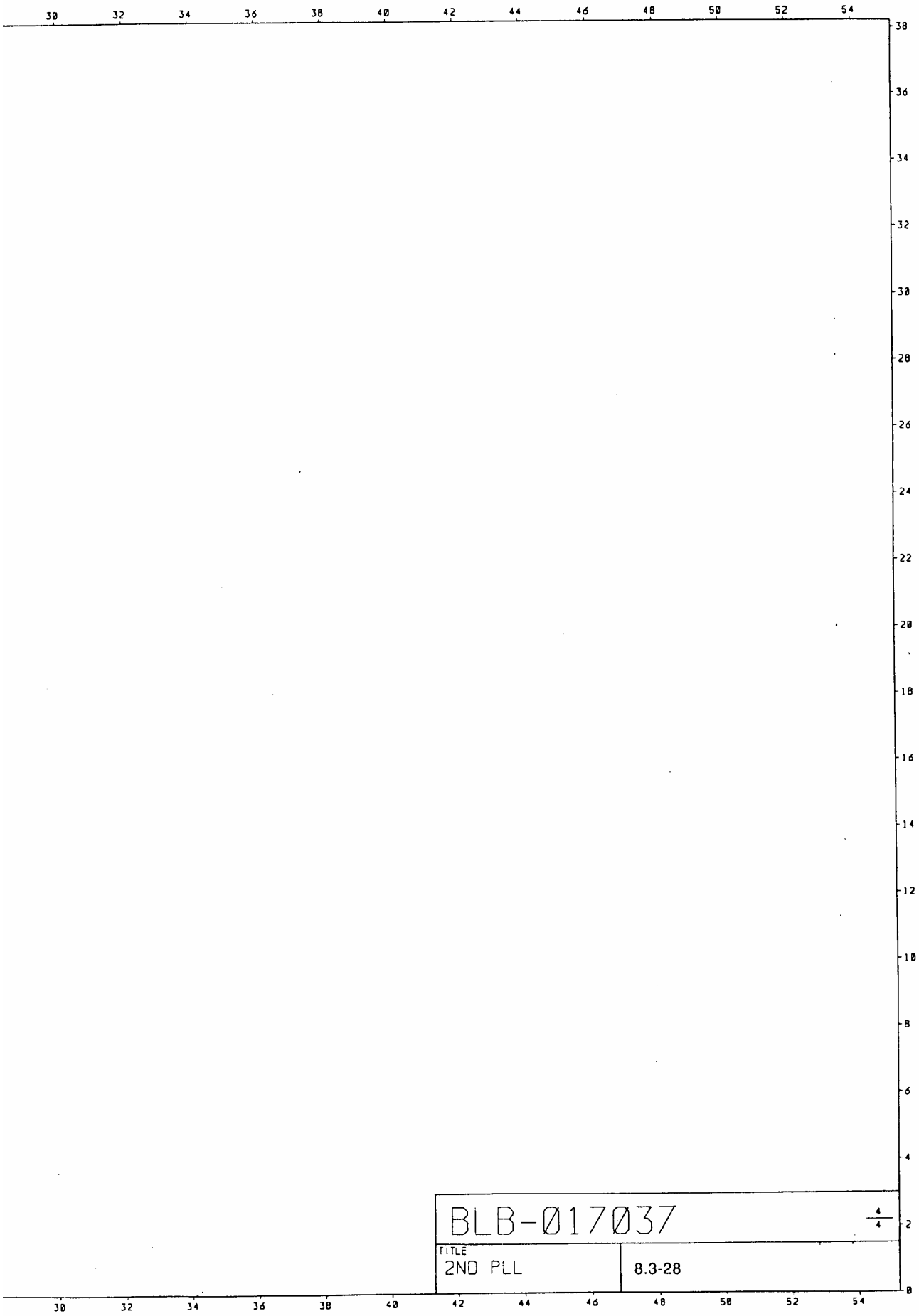
8.3-26




PLB-2170378B


CCP-TCR1U50V C29
CCP-TCR1U50V C33
RCP-AN100 R36
CCP-TCR1U50V C30
RCP-AN1K R37
RCP-AJ15K R42
CCP-TCR1U50V C26
RCP-AN1K R34
SDS-1SS220 D1
STN-2SC2223 Q7
SIT-74F112S U7
RCP-AN910 R30
STN-2SC2223 Q3
STP-2SA1226 Q5
RCP-AJ1R2K R43
SDS-1SS220 D3
RCP-AJ22 R31
LCL-E00962
P/DOUT
P7
CCP-TCR1U50V C27
C38 CCP-8A1000P50V
SIT-74F00S U6
RCP-AN910 R33
RCP-AN3R9K R38
RCP-AN390 R41
CCP-TCR1U50V C28
CFM-A5R047U50V C34
SIT-74F112S U7
RCP-AJ22 R32
STP-2SA1226 Q4
STN-2SC2223 Q6
RCP-AN1K R35
SDS-1SS220 D2
RCP-AN1K R39
CCP-TCR1U50V C31
RCP-AN1R5K R40
-15V1
CCP-TCR1U50V C32
BLB-017037
3
TITLE
2ND PLL
8.3-27


+4.5V
GND
8
16
xxxxx
SIT-74F112S
+4.5V
GND
7
14
xxxxx
SIT-74F00S
+4.5V
GND
4
1
xxxxx
SIC-572



BLB-017037

4/4

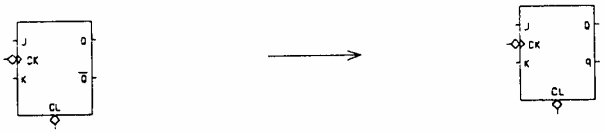
TITLE
2ND PLL

8.3-28

# ■ DIAGRAMS ILLUSTRATION

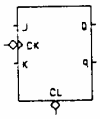
## SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

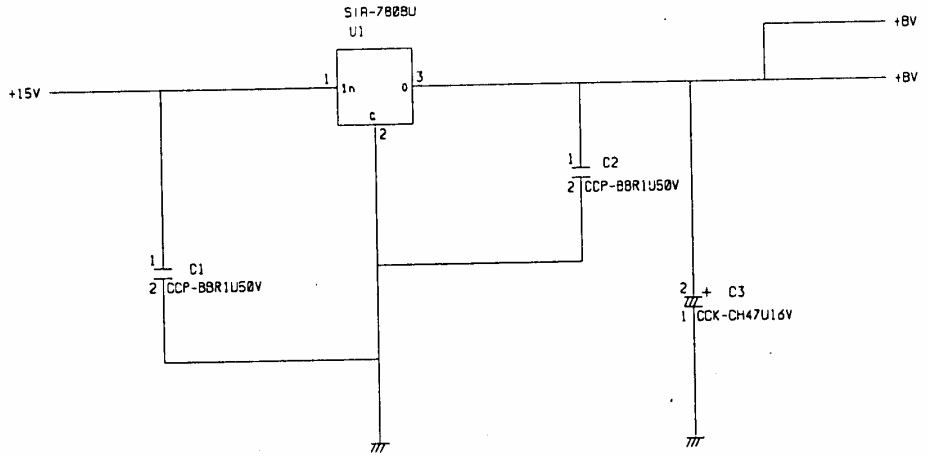


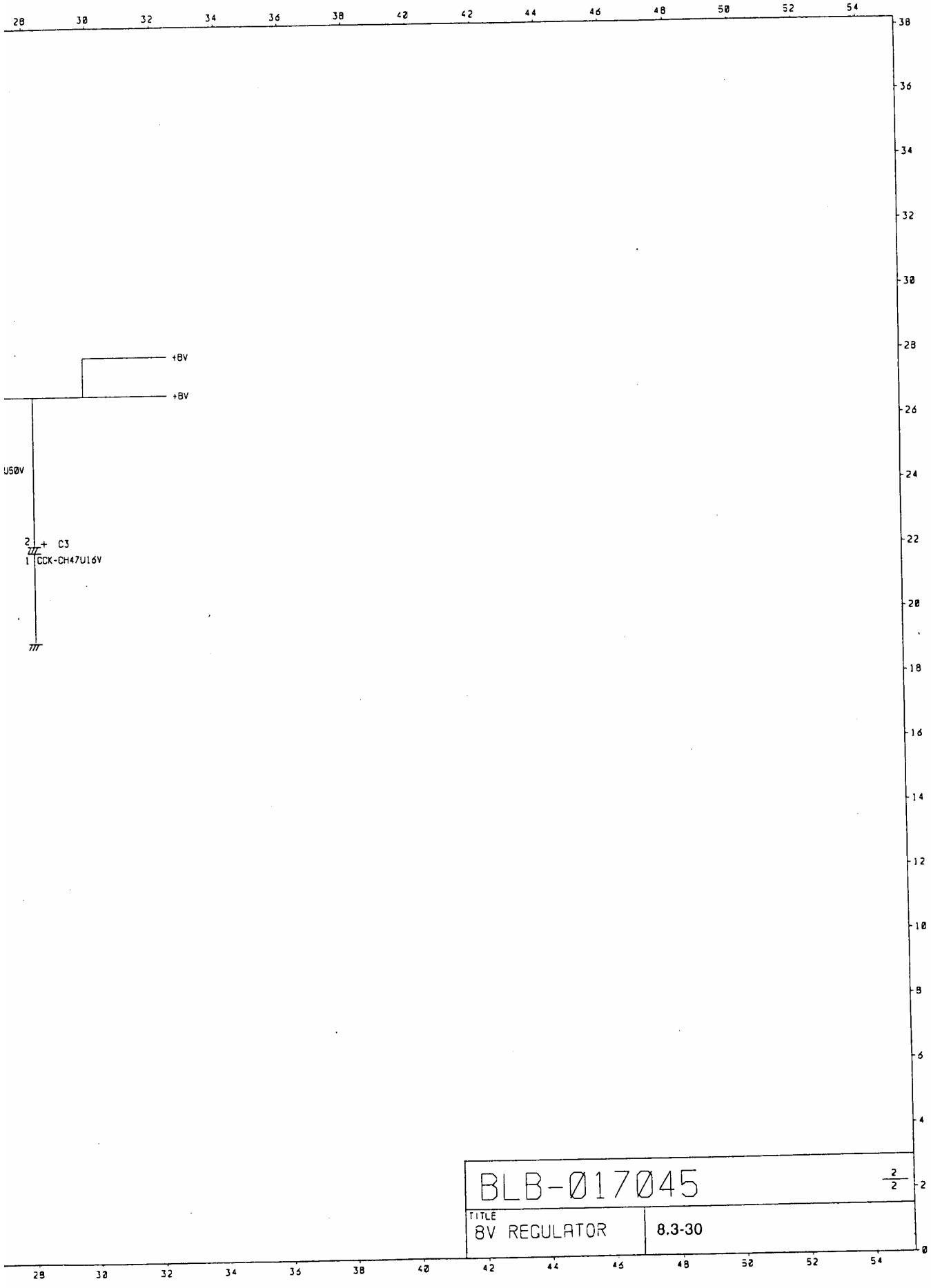
ITORS

NEGATIVE LOGIC ARE
SMALL LETTER)




| | |
|---|---|
| BLB-017045 | 1 |
| TITLE<br>8V REGULATOR | 8.3-29 |


SIA-7808U
U1
+15V
1
In
0
3
C
2
+8V
+8V
1
C1
2
CCP-B8R1U50V
1
C2
2
CCP-B8R1U50V
2
+
C3
1
CCK-CH47U16V




BLB-017045

2/2

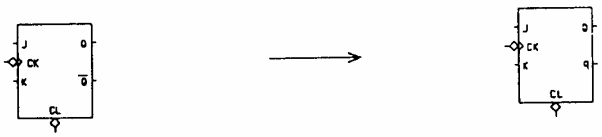
TITLE
8V REGULATOR

8.3-30

# ■ DIAGRAMS ILLUSTRATION

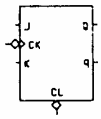
## SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

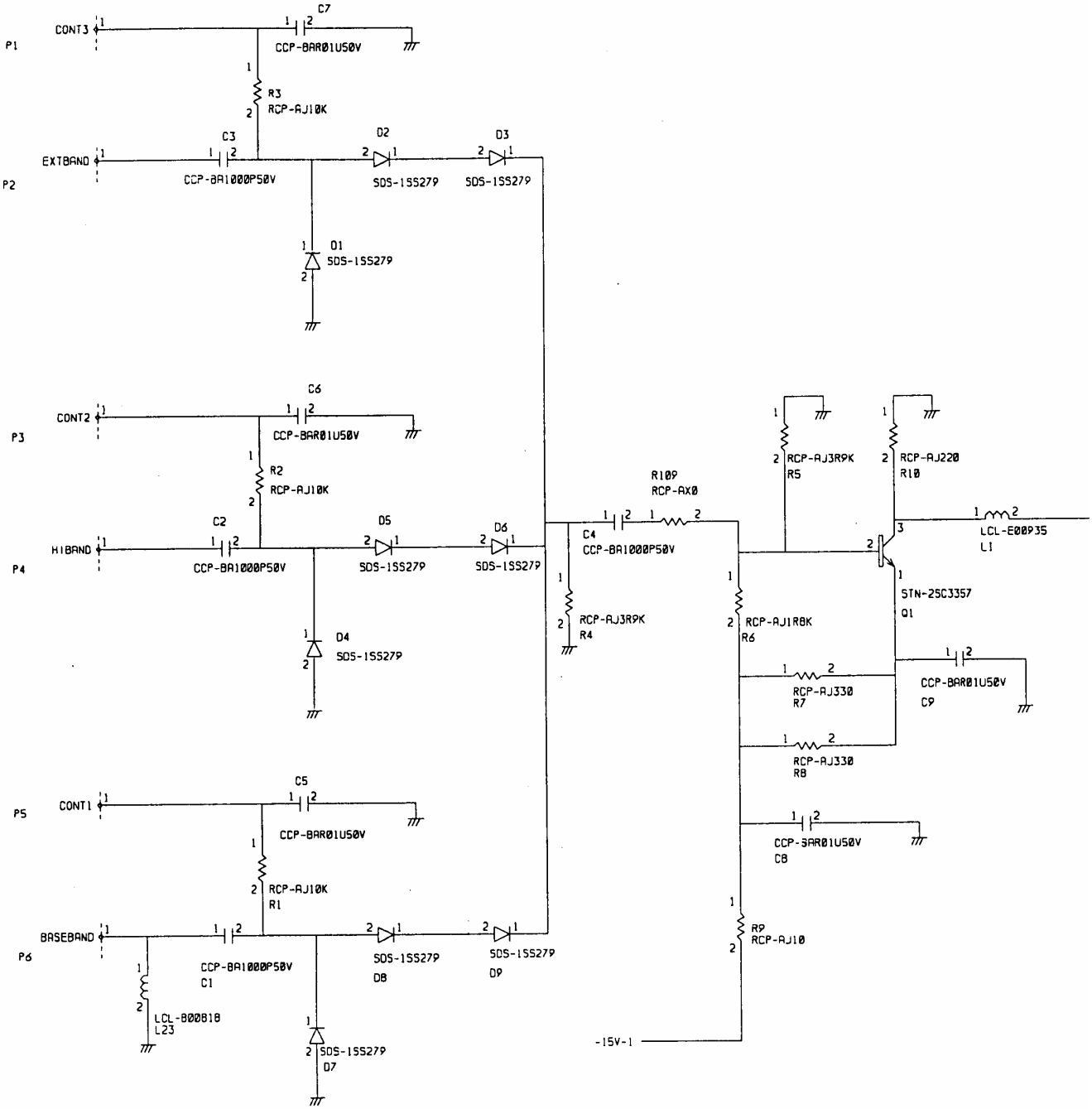


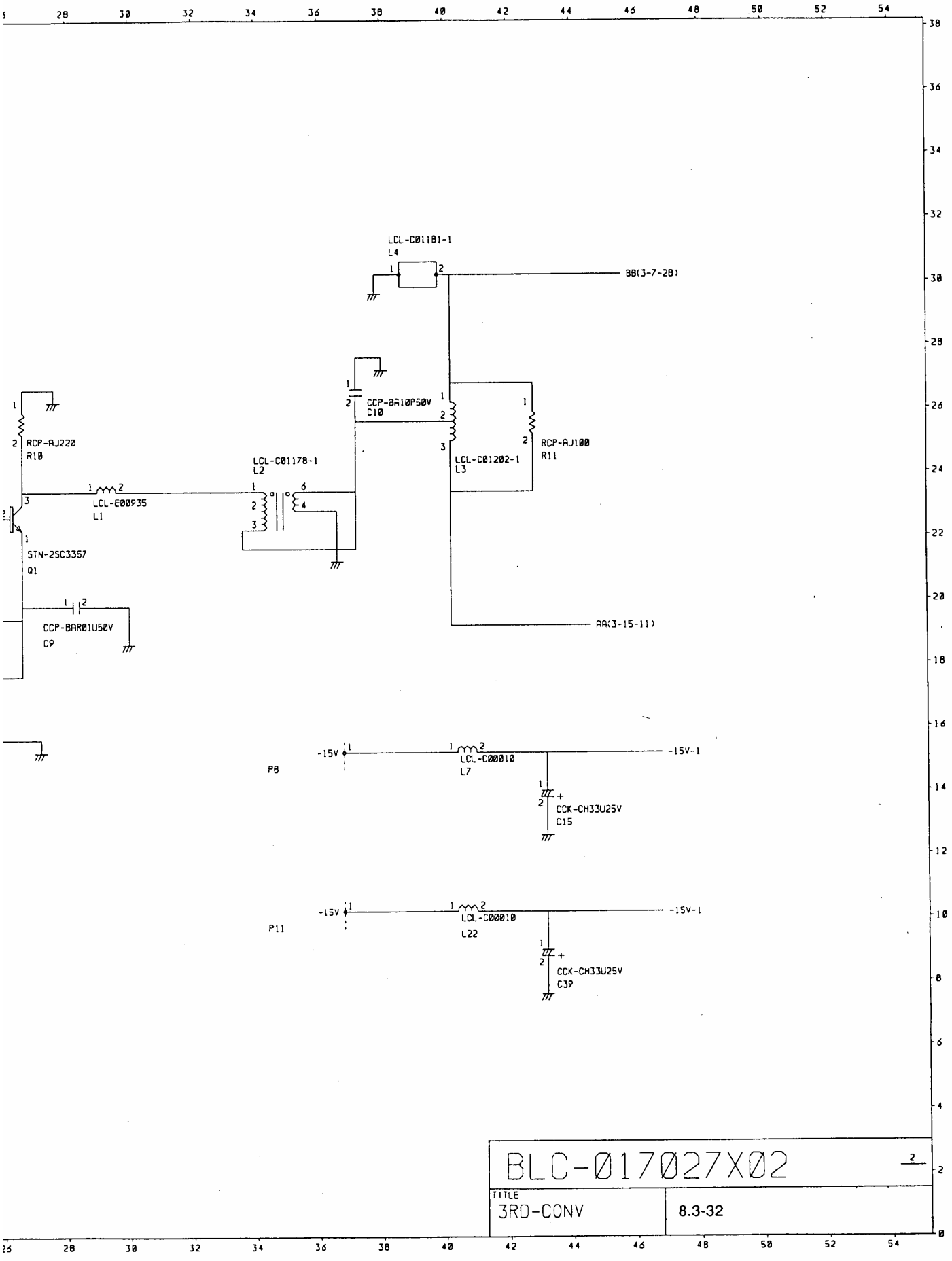
TORS

NEGATIVE LOGIC ARE
SMALL LETTER)




| | |
|---|---|
| BLC-017027X02 | 1 |
| TITLE<br>3RD-CONV | 8.3-31 |

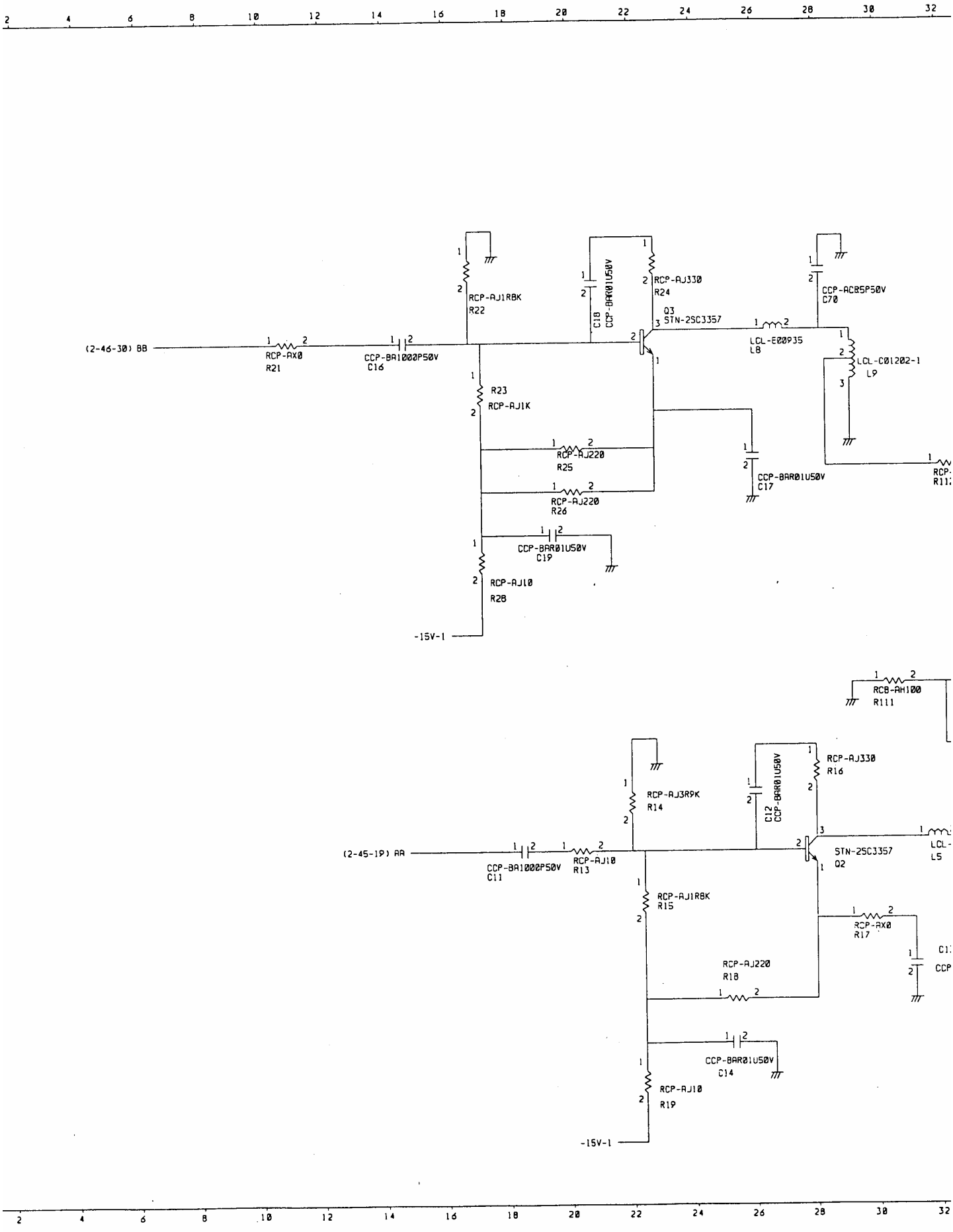

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
P1
CONT3
C7
CCP-BAR01U50V
R3
RCP-AJ10K
P2
EXTBAND
C3
CCP-BA1000P50V
D2
SDS-1SS279
D3
SDS-1SS279
D1
SDS-1SS279
P3
CONT2
C6
CCP-BAR01U50V
R2
RCP-AJ10K
P4
HIBAND
C2
CCP-BA1000P50V
D5
SDS-1SS279
D6
SDS-1SS279
D4
SDS-1SS279
P5
CONT1
C5
CCP-BAR01U50V
R1
RCP-AJ10K
P6
BASEBAND
C1
CCP-BA1000P50V
LCL-B00818
L23
D8
SDS-1SS279
D9
SDS-1SS279
D7
SDS-1SS279
R109
RCP-AX0
C4
CCP-BA1000P50V
RCP-AJ3R9K
R4
RCP-AJ1R8K
R6
RCP-AJ330
R7
RCP-AJ330
R8
CCP-BAR01U50V
C8
R9
RCP-AJ10
-15V-1
RCP-AJ3R9K
R5
RCP-AJ220
R10
LCL-E00935
L1
STN-25C3357
Q1
CCP-BAR01U50V
C9
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30

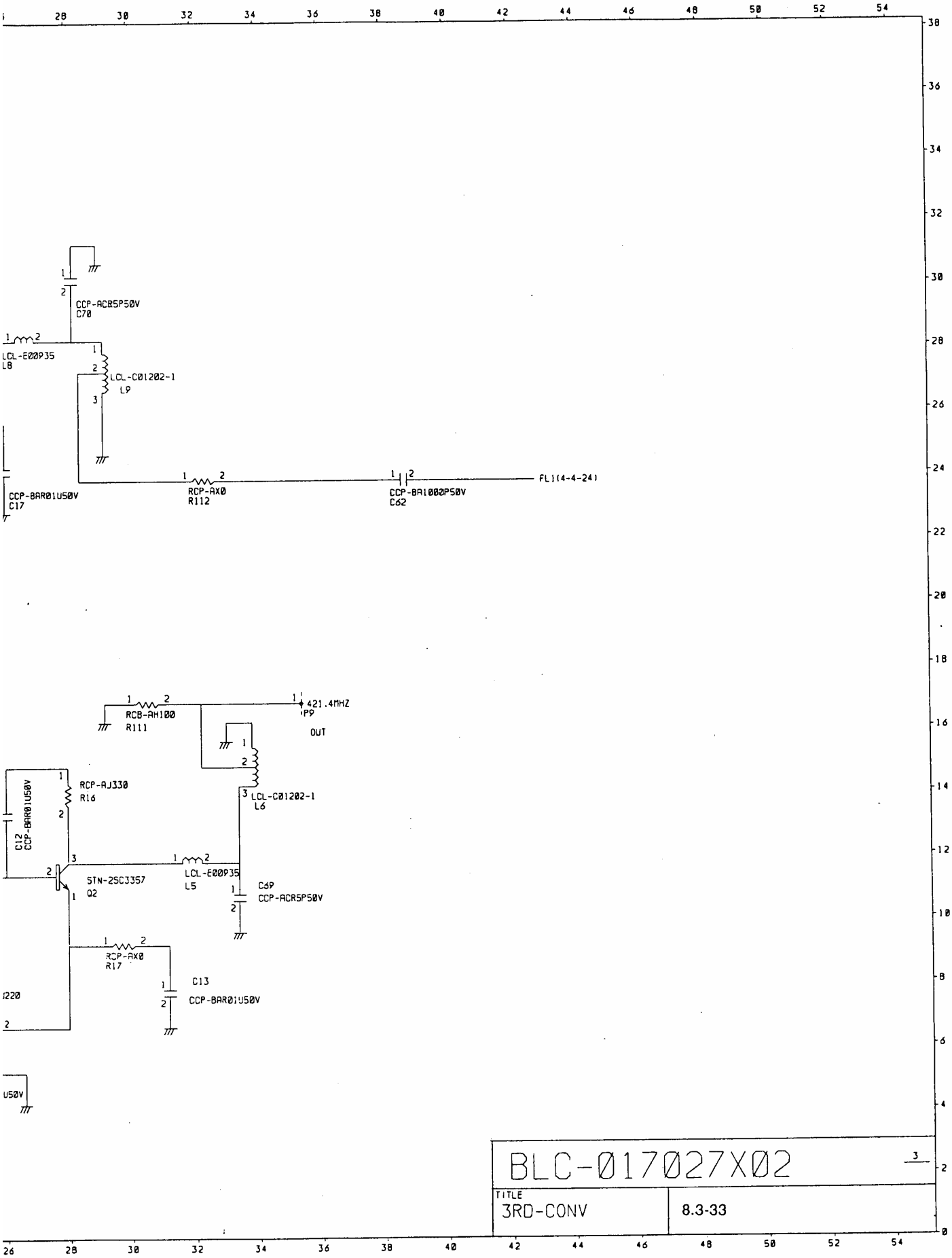



BLC-017027X02 2

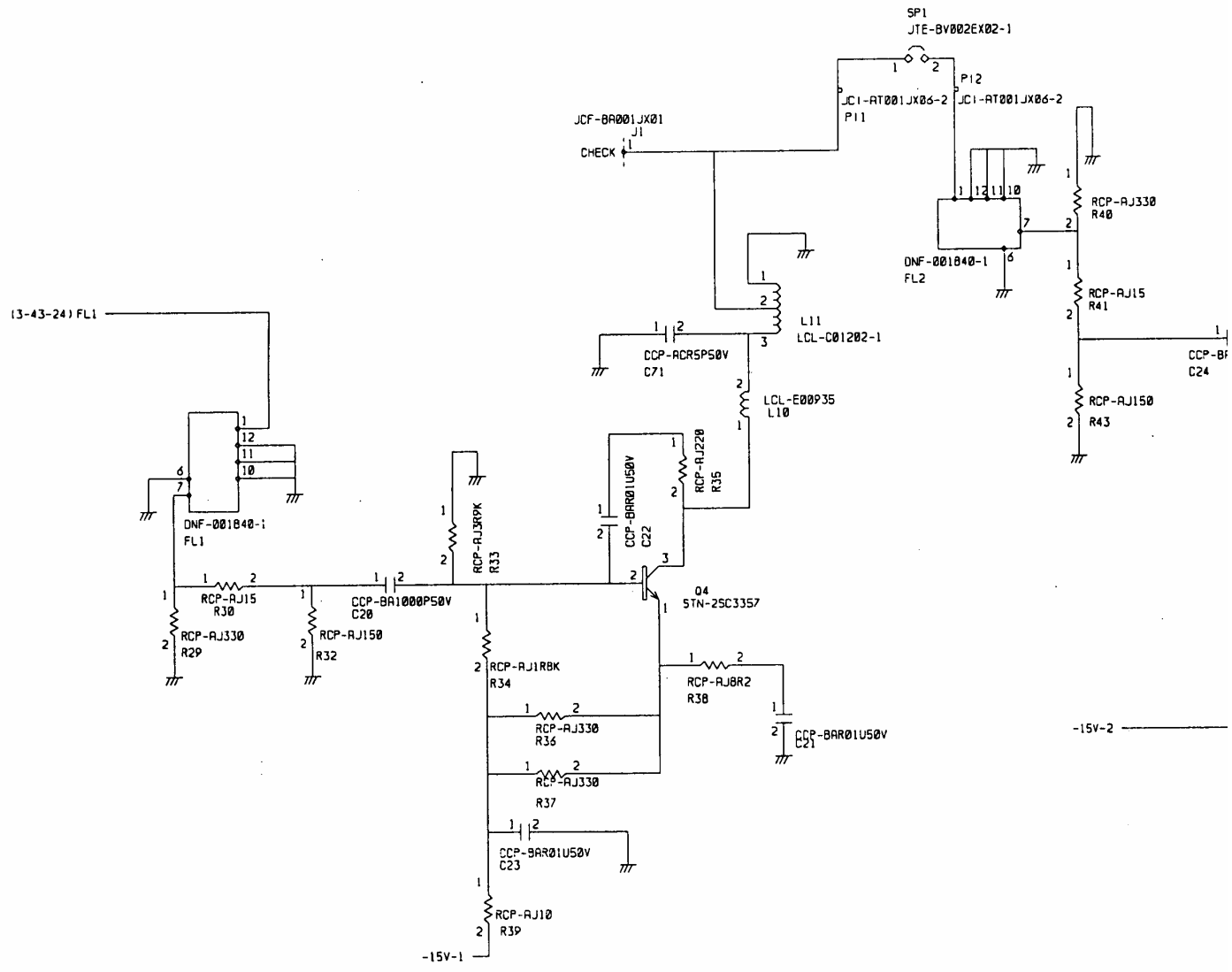
TITLE
3RD-CONV

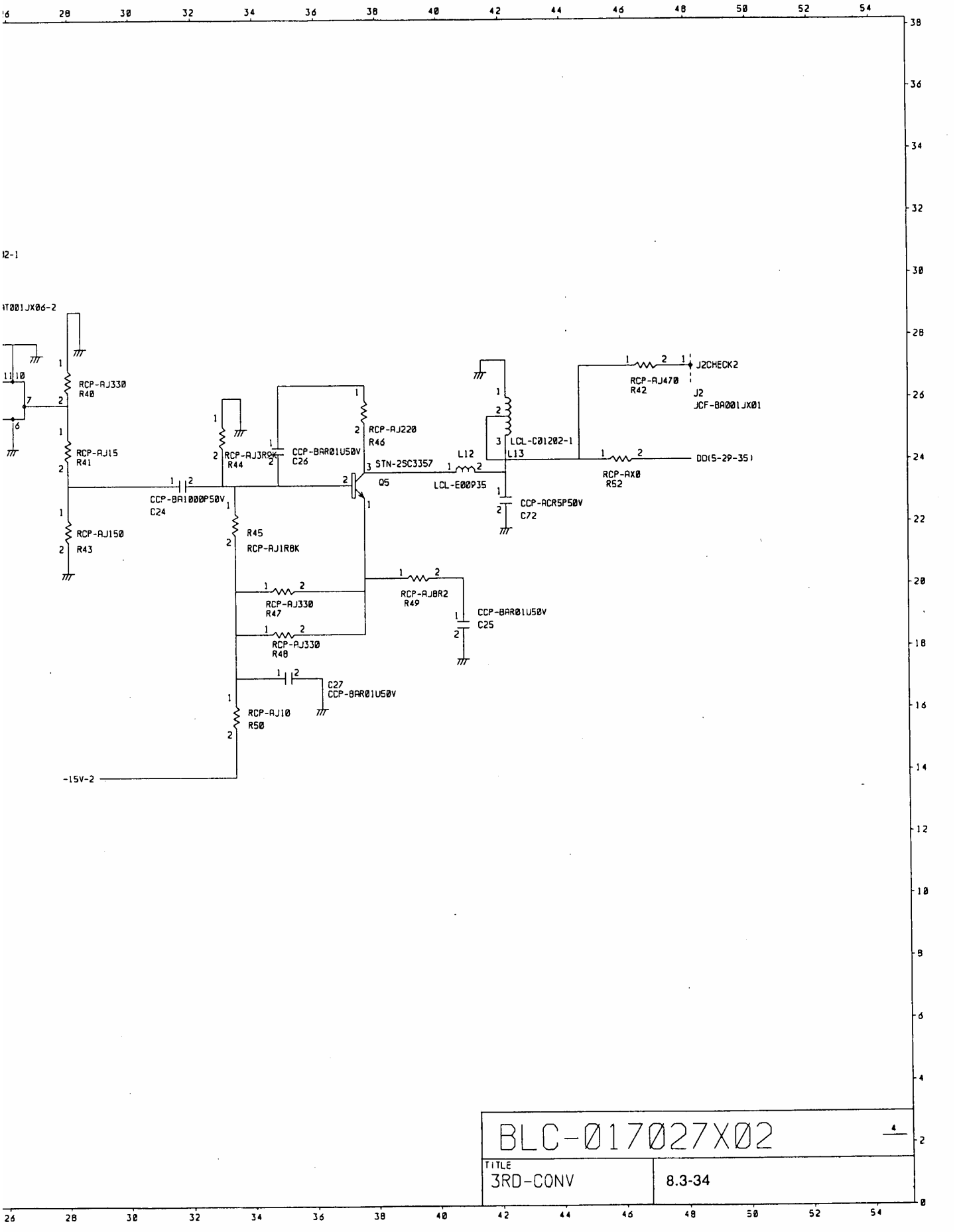
8.3-32


2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32
(2-46-30) BB
RCP-AX0
R21
CCP-BA1000P50V
C16
RCP-AJ1R8K
R22
R23
RCP-AJ1K
RCP-AJ220
R25
RCP-AJ220
R26
CCP-BAR01U50V
C19
RCP-AJ10
R28
-15V-1
C18 CCP-BAR01U50V
RCP-AJ330
R24
Q3
STN-2SC3357
LCL-E00935
L8
CCP-AC85P50V
C70
LCL-C01202-1
L9
CCP-BAR01U50V
C17
RCP-
R11
RCB-AH100
R111
(2-45-19) AA
CCP-BA1000P50V
C11
RCP-AJ10
R13
RCP-AJ3R9K
R14
C12 CCP-BAR01U50V
RCP-AJ330
R16
STN-2SC3357
Q2
LCL-
L5
RCP-AJ1R8K
R15
RCP-AX0
R17
RCP-AJ220
R18
CCP-BAR01U50V
C14
RCP-AJ10
R19
-15V-1
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32

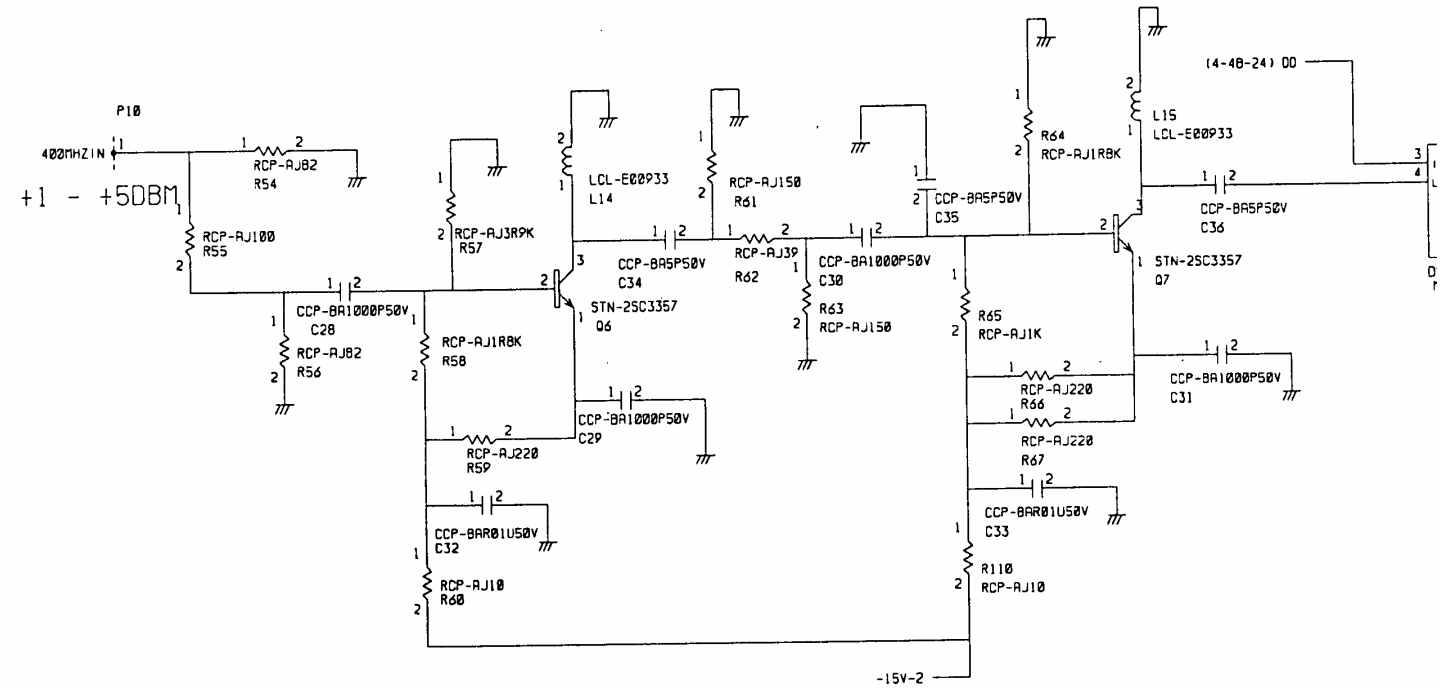


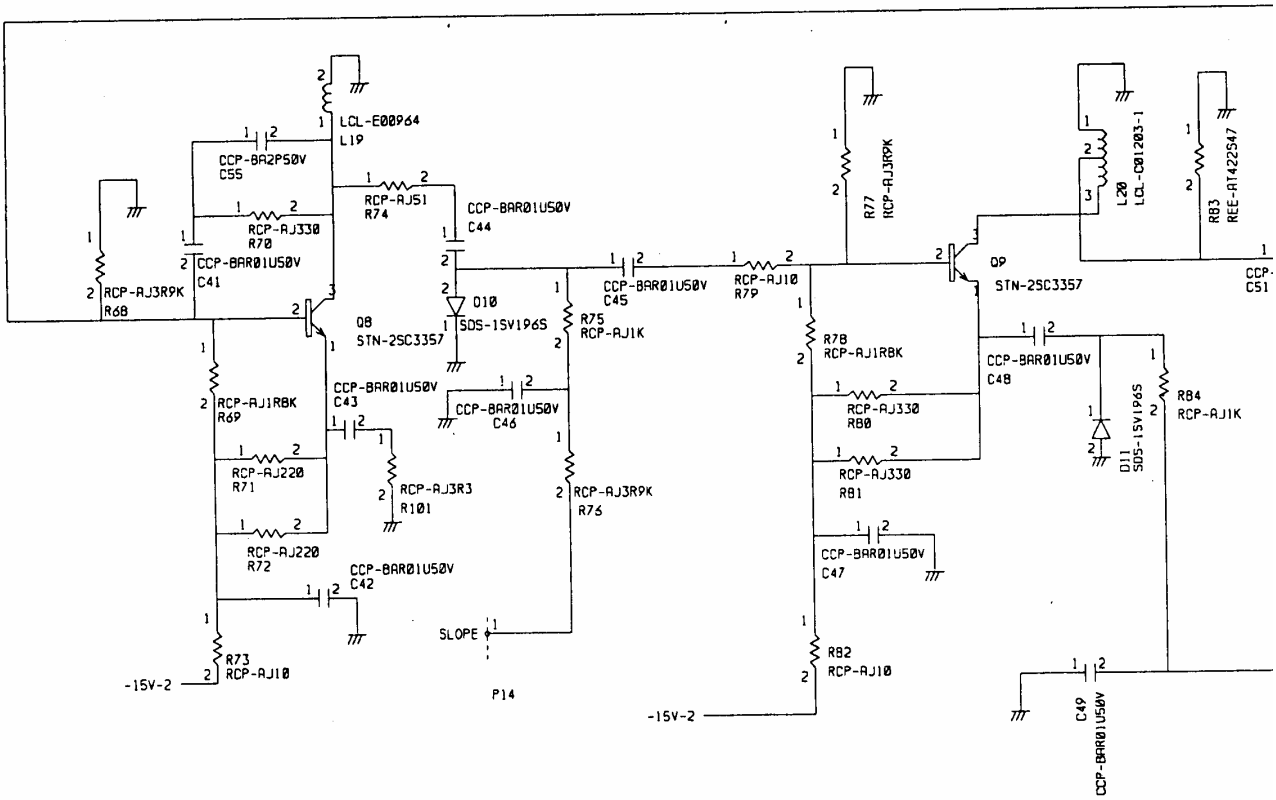

| | |
|---|---|
| BLC-017027X02 | 3 |
| TITLE 3RD-CONV | 8.3-33 |

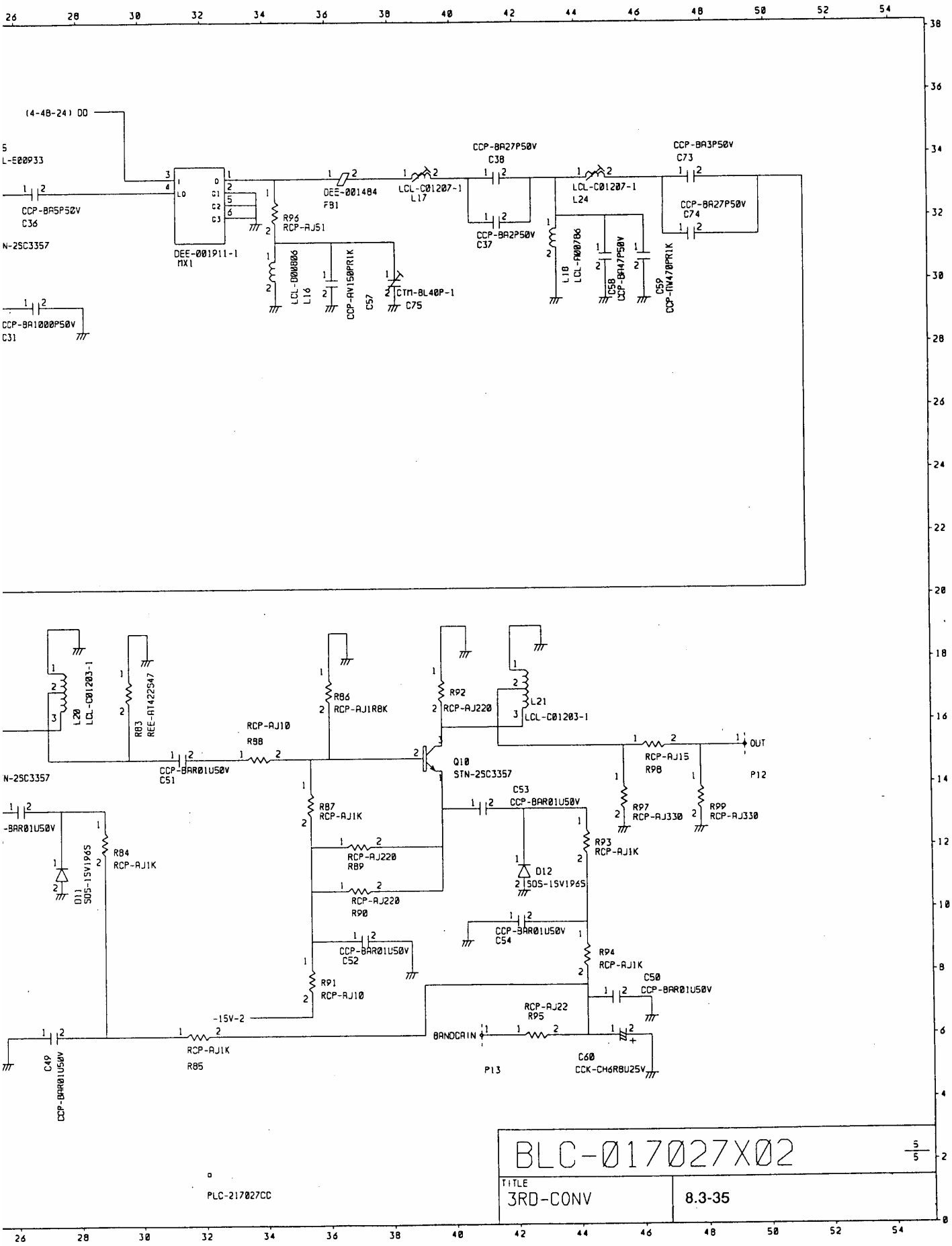

SP1
JTE-BV002EX02-1
P12
P11
JC1-AT001JX06-2
JC1-AT001JX06-2
JCF-BA001JX01
J1
CHECK
DNF-001840-1
FL2
RCP-AJ330
R40
RCP-AJ15
R41
RCP-AJ150
R43
CCP-BF
C24
L11
LCL-C01202-1
CCP-ACR5P50V
C71
LCL-E00P35
L10
(3-43-24) FL1
DNF-001840-1
FL1
RCP-AJ3R9K
R33
RCP-AJ220
R35
CCP-BAR01U50V
C22
Q4
5TN-2SC3357
RCP-AJ15
R30
CCP-BA1000P50V
C20
RCP-AJ330
R29
RCP-AJ150
R32
RCP-AJ1R8K
R34
RCP-AJ8R2
R38
RCP-AJ330
R36
RCP-AJ330
R37
CCP-BAR01U50V
C21
CCP-9AR01U50V
C23
RCP-AJ10
R39
-15V-1
-15V-2




| | |
|---|---|
| BLC-017027X02 | 4 |
| TITLE 3RD-CONV | 8.3-34 |


P10
400MHZIN
+1 - +5DBM
RCP-AJ82 R54
RCP-AJ100 R55
RCP-AJ82 R56
CCP-BA1000P50V C28
RCP-AJ3R9K R57
RCP-AJ1R8K R58
RCP-AJ220 R59
RCP-AJ10 R60
CCP-BAR01U50V C32
LCL-E00933 L14
CCP-BA5P50V C34
STN-2SC3357 Q6
CCP-BA1000P50V C29
RCP-AJ150 R61
RCP-AJ39 R62
CCP-BA1000P50V C30
R63 RCP-AJ150
CCP-BA5P50V C35
R64 RCP-AJ1R8K
R65 RCP-AJ1K
RCP-AJ220 R66
RCP-AJ220 R67
CCP-BAR01U50V C33
R110 RCP-AJ10
-15V-2
L15 LCL-E00933
CCP-BA5P50V C36
STN-2SC3357 Q7
CCP-BA1000P50V C31
(4-48-24) OD


LCL-E00964 L19
CCP-BA2P50V C55
RCP-AJ51 R74
CCP-BAR01U50V C44
RCP-AJ330 R70
CCP-BAR01U50V C41
RCP-AJ3R9K R68
Q8 STN-2SC3357
D10 SDS-1SV196S
R75 RCP-AJ1K
CCP-BAR01U50V C45
RCP-AJ10 R79
R77 RCP-AJ3R9K
Q9 STN-2SC3357
L20 LCL-C01203-1
RB3 REE-RT422547
CCP- C51
RCP-AJ1R8K R69
CCP-BAR01U50V C43
CCP-BAR01U50V C46
RCP-AJ220 R71
RCP-AJ3R3 R101
RCP-AJ220 R72
CCP-BAR01U50V C42
R73 RCP-AJ10
-15V-2
SLOPE
P14
RCP-AJ3R9K R76
R78 RCP-AJ1R8K
CCP-BAR01U50V C48
RCP-AJ330 R80
RCP-AJ330 R81
CCP-BAR01U50V C47
R82 RCP-AJ10
-15V-2
D11 SDS-1SV196S
RB4 RCP-AJ1K
C49 CCP-BAR01U50V


(4-4B-24) DD
CCP-BR5P50V
C36
DEE-001911-1
MX1
R96
RCP-AJ51
DEE-001484
FB1
LCL-C01207-1
L17
CCP-BR27P50V
C38
CCP-BR2P50V
C37
LCL-C01207-1
L24
CCP-BR3P50V
C73
CCP-BR27P50V
C74
L18
LCL-A00786
C58
CCP-BR47P50V
C59
CCP-AW470PR1K
LCL-D00806
L16
CCP-AW150PR1K
C57
CTM-8L40P-1
C75
CCP-BR1000P50V
C31
L20
LCL-C01203-1
R83
REE-A1422547
R86
RCP-AJ1R8K
RCP-AJ10
R88
CCP-BAR01U50V
C51
R92
RCP-AJ220
L21
LCL-C01203-1
Q10
STN-2SC3357
OUT
RCP-AJ15
R98
P12
R97
RCP-AJ330
R99
RCP-AJ330
C53
CCP-BAR01U50V
R87
RCP-AJ1K
RCP-AJ220
R89
RCP-AJ220
R90
R93
RCP-AJ1K
D12
SDS-1SV196S
R84
RCP-AJ1K
D11
SDS-1SV196S
CCP-BAR01U50V
C54
R94
RCP-AJ1K
C50
CCP-BAR01U50V
CCP-BAR01U50V
C52
R91
RCP-AJ10
RCP-AJ22
R95
-15V-2
BANDCAIN
P13
C60
CCK-CH6R8U25V
C49
CCP-BAR01U50V
RCP-AJ1K
R85
PLC-217027CC
BLC-017027X02
5/5
TITLE
3RD-CONV
8.3-35

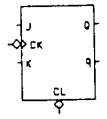
# ■ DIAGRAMS ILLUSTRATION

## SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

ATORS

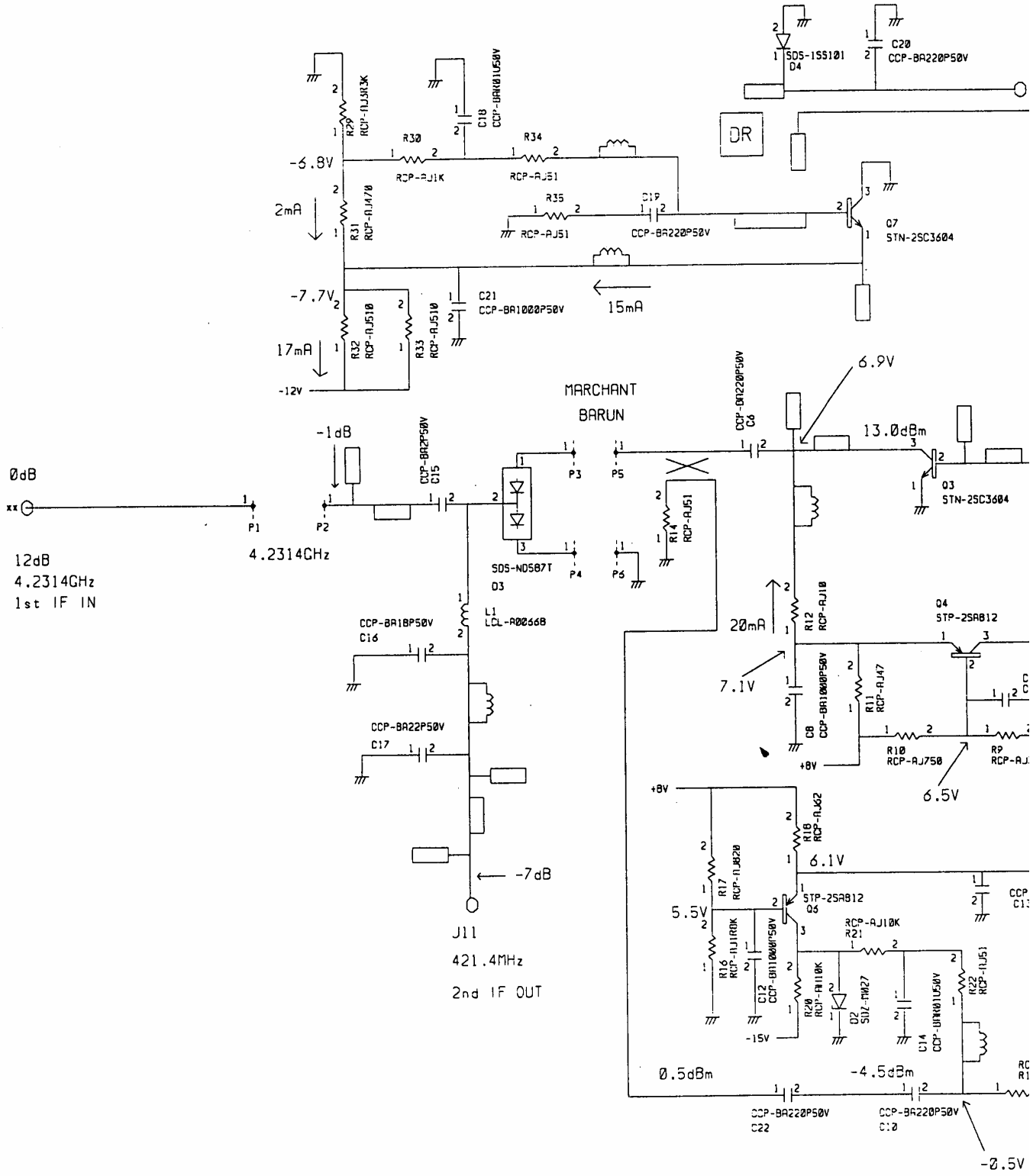
NEGATIVE LOGIC ARE
Y SMALL LETTER)



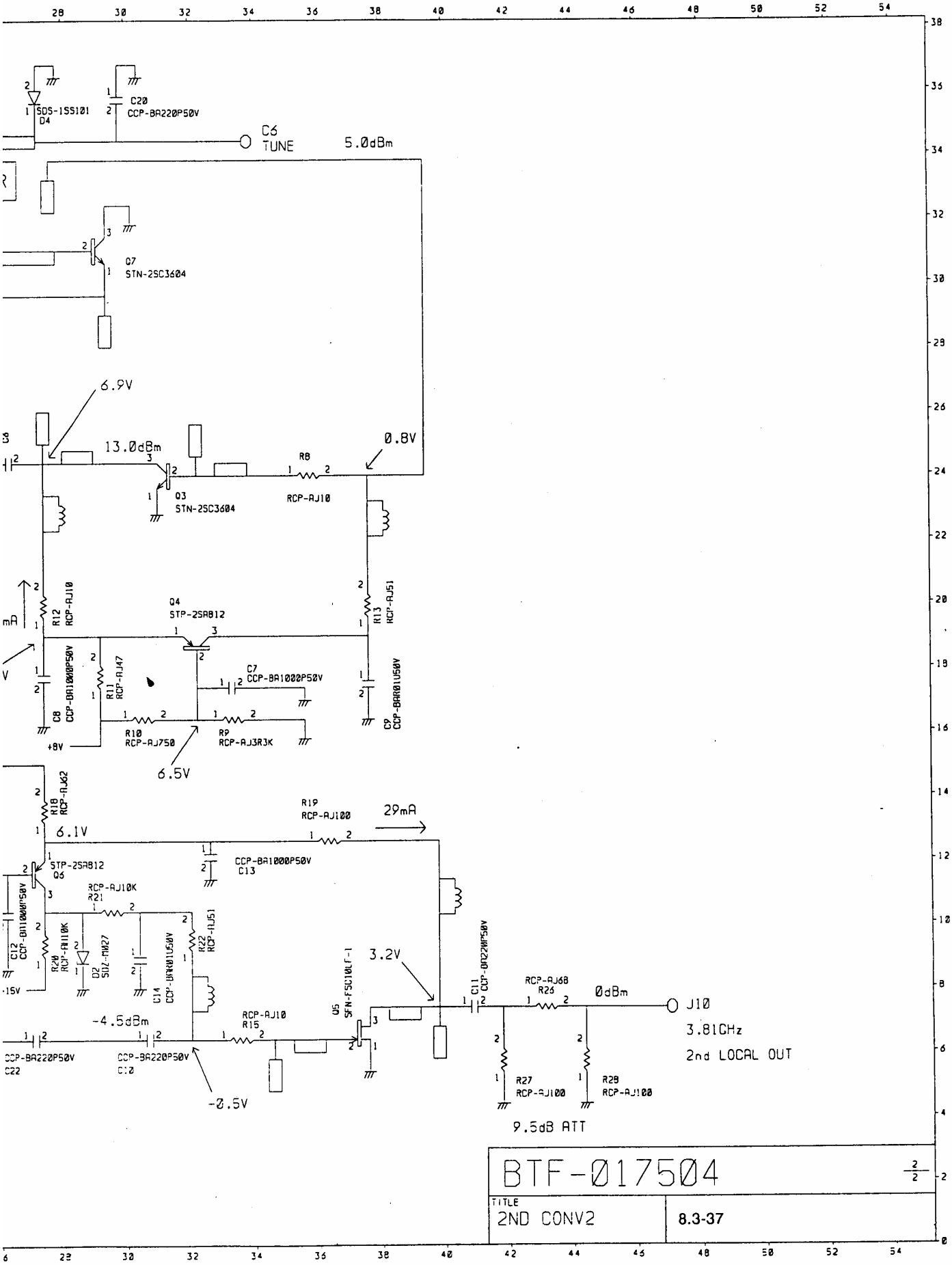

BTF-017504

TITLE
2ND CONV2

8.3-36


SDS-1SS101
D4
C20
CCP-BA220P50V
DR
R29
RCP-AJ3R3K
C18
CCP-BAR01U50V
R30
RCP-AJ1K
R34
RCP-AJ51
-6.8V
2mA
R31
RCP-AJ470
R35
RCP-AJ51
C19
CCP-BA220P50V
Q7
STN-2SC3604
15mA
-7.7V
C21
CCP-BA1000P50V
17mA
R32
RCP-AJ510
R33
RCP-AJ510
-12V
MARCHANT
BARUN
6.9V
CCP-BA220P50V
C6
13.0dBm
Q3
STN-2SC3604
-1dB
CCP-BA2P50V
C15
0dB
P1
P2
P3
P5
P6
P4
R14
RCP-AJ51
SDS-ND587T
D3
4.2314GHz
12dB
4.2314GHz
1st IF IN
L1
LCL-R00568
CCP-BA18P50V
C16
CCP-BA22P50V
C17
20mA
R12
RCP-AJ10
Q4
STP-2SA812
7.1V
C8
CCP-BA1000P50V
R11
RCP-AJ47
R10
RCP-AJ750
R9
RCP-AJ
+8V
6.5V
R18
RCP-AJ62
6.1V
R17
RCP-AJ820
STP-2SA812
Q5
5.5V
RCP-AJ10K
R21
R16
RCP-AJ11R0K
C12
CCP-BA1000P50V
R20
RCP-AJ10K
D2
SDZ-RW27
C14
CCP-BAR01U50V
R22
RCP-AJ51
-15V
0.5dBm
-4.5dBm
CCP-BA220P50V
C22
CCP-BA220P50V
C10
-0.5V
-7dB
J11
421.4MHz
2nd IF OUT

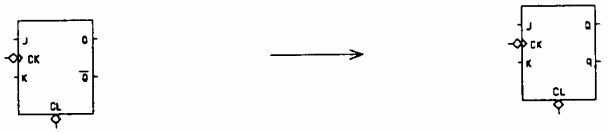
7504AA


D4 SDS-1SS101
C20 CCP-BA220P50V
C6 TUNE
5.0dBm
Q7 STN-2SC3604
6.9V
13.0dBm
0.8V
Q3 STN-2SC3604
R8 RCP-AJ10
R12 RCP-AJ10
Q4 STP-2SA812
R13 RCP-AJ51
C8 CCP-BA1000P50V
R11 RCP-AJ47
C7 CCP-BA1000P50V
C9 CCP-BAR01U50V
R10 RCP-AJ750
R9 RCP-AJ3R3K
+8V
6.5V
R18 RCP-AJ62
6.1V
R19 RCP-AJ100
29mA
Q6 STP-2SA812
C13 CCP-BA1000P50V
R21 RCP-AJ10K
C12 CCP-BA1000P50V
R20 RCP-AJ10K
D2 SLZ-M27
C14 CCP-UAR01U50V
R22 RCP-AJ51
3.2V
U5 SFN-F5C10LF-1
C11 CCP-BA22MP50V
RCP-AJ68 R26
0dBm
J10
3.81GHz
2nd LOCAL OUT
-4.5dBm
R15 RCP-AJ10
C22 CCP-BA220P50V
C10 CCP-BA220P50V
-0.5V
R27 RCP-AJ100
R28 RCP-AJ100
9.5dB ATT
BTF-017504
2/2
TITLE
2ND CONV2
8.3-37

# ■ DIAGRAMS ILLUSTRATION

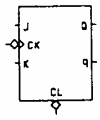
## SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

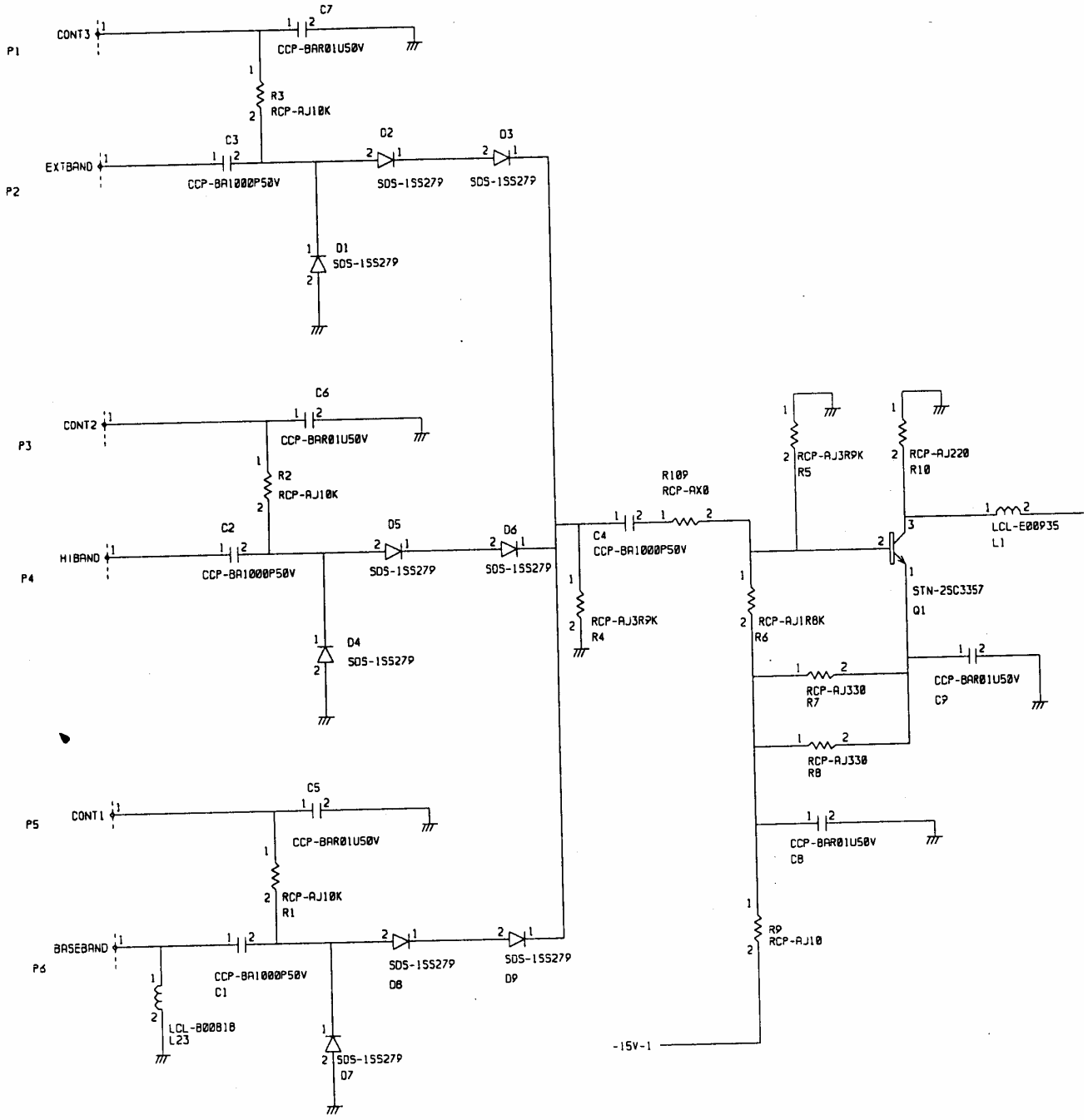


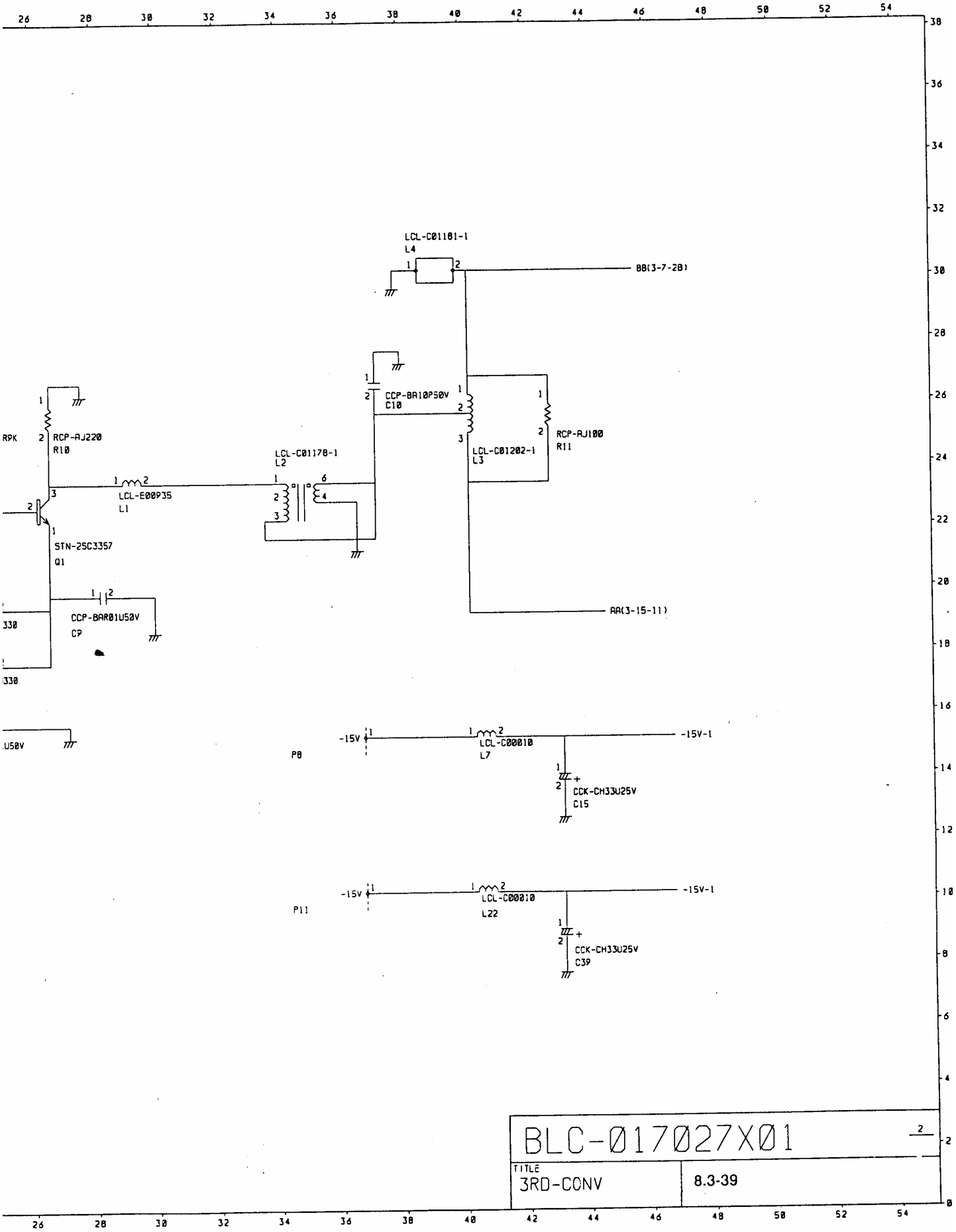
RS

ATIVE LOGIC ARE
ALL LETTER)




| | |
|---|---|
| BLC-017027X01 | 1 |
| TITLE 3RD-CONV | 8.3-38 |

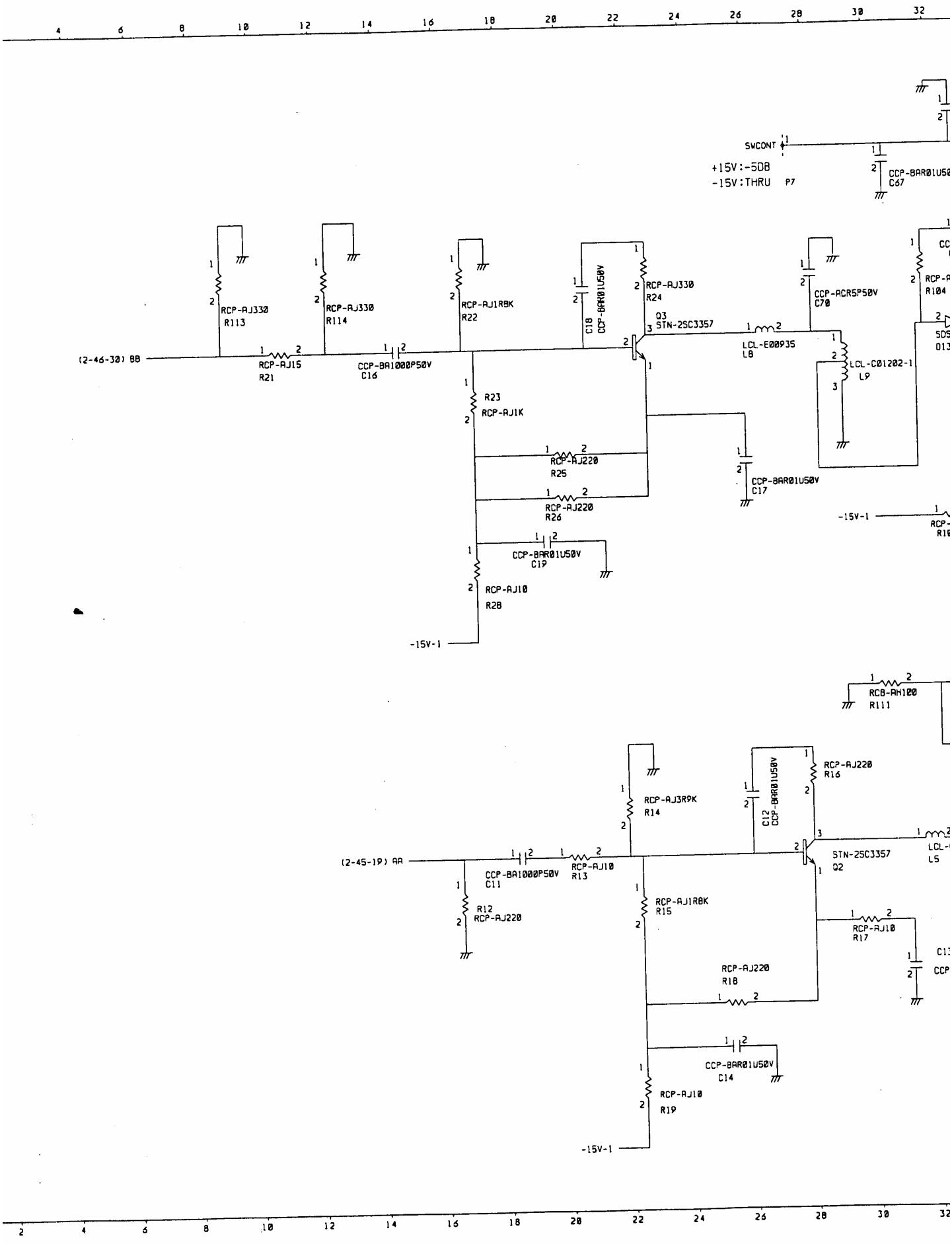

C7
CONT3
P1
CCP-BAR01U50V
R3
RCP-AJ10K
C3
D2
D3
EXTBAND
P2
CCP-BA1000P50V
SDS-1SS279
SDS-1SS279
D1
SDS-1SS279
C6
CONT2
P3
CCP-BAR01U50V
R2
RCP-AJ10K
C2
D5
D6
HIBAND
P4
CCP-BA1000P50V
SDS-1SS279
SDS-1SS279
D4
SDS-1SS279
C5
CONT1
P5
CCP-BAR01U50V
R1
RCP-AJ10K
BASEBAND
P6
CCP-BA1000P50V
C1
SDS-1SS279
D8
SDS-1SS279
D9
LCL-B00818
L23
SDS-1SS279
D7
R10P
RCP-AX0
C4
CCP-BA1000P50V
RCP-AJ3R9K
R4
RCP-AJ1R8K
R6
RCP-AJ3R9K
R5
RCP-AJ220
R10
LCL-E00P35
L1
STN-2SC3357
Q1
CCP-BAR01U50V
C9
RCP-AJ330
R7
RCP-AJ330
R8
CCP-BAR01U50V
C8
R9
RCP-AJ10
-15V-1

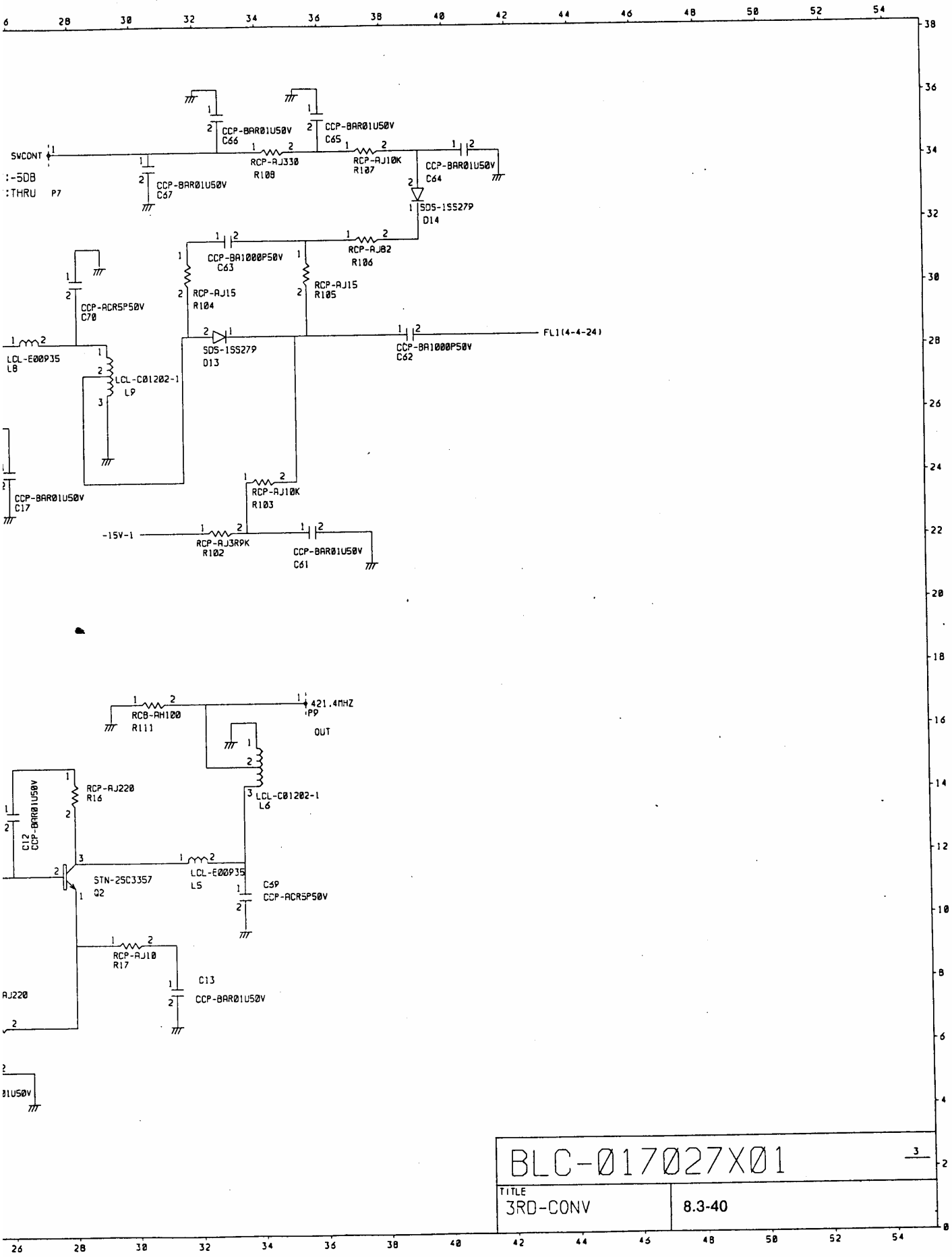



BLC-017027X01 2

TITLE
3RD-CONV

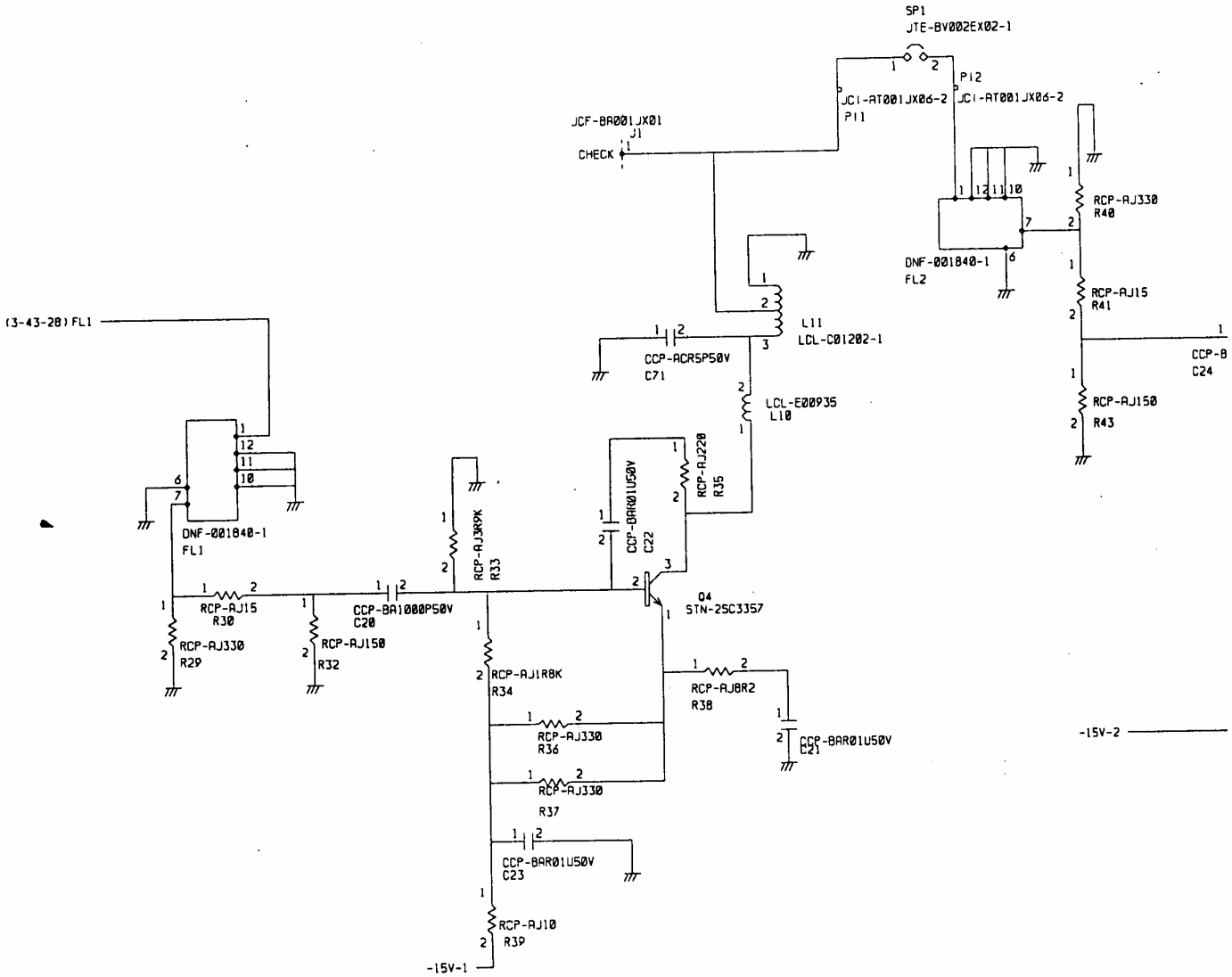
8.3-39

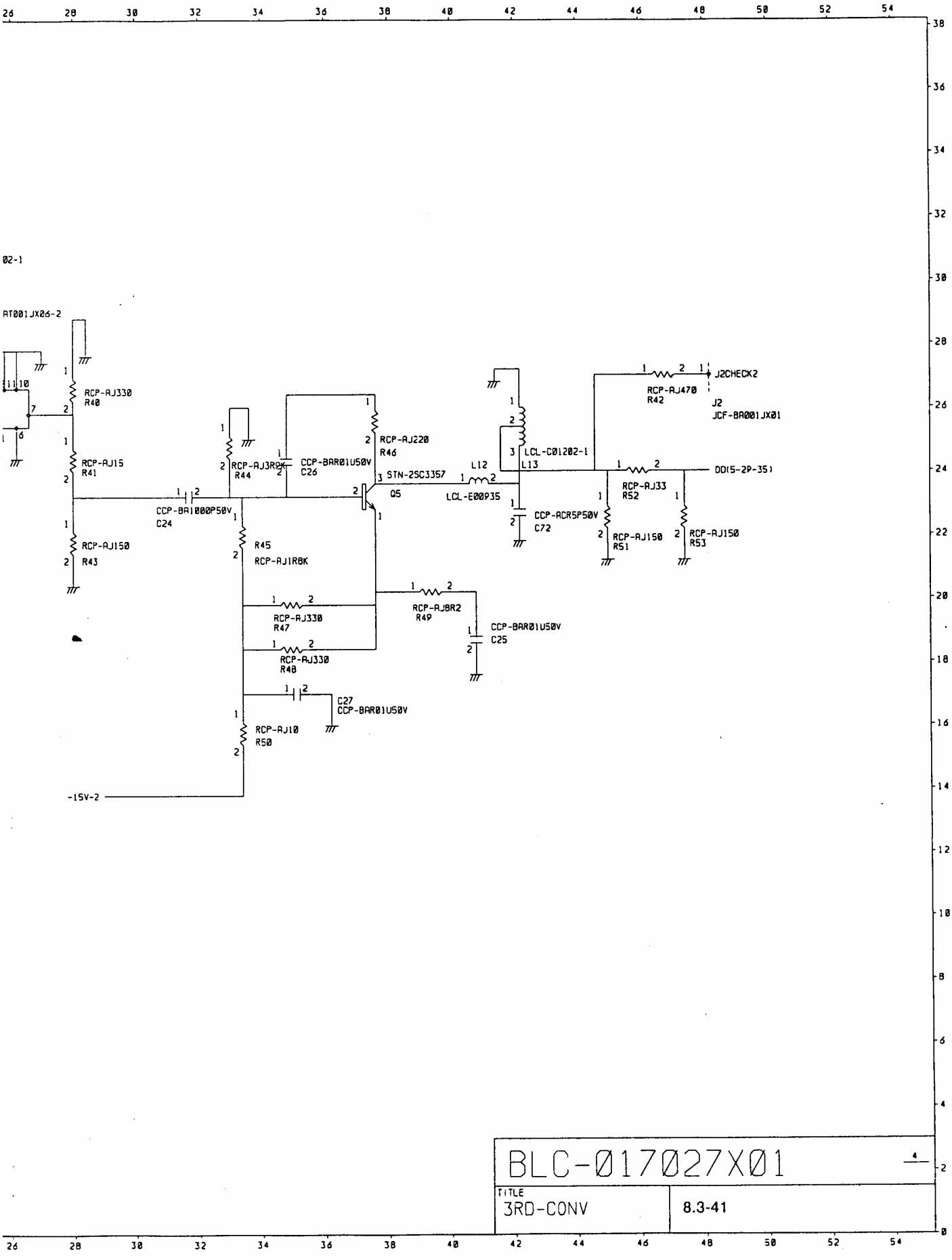

SWCONT
+15V:-5DB
-15V:THRU P7
CCP-BAR01U50V
C67
RCP-AJ330
R113
RCP-AJ330
R114
RCP-AJ1R8K
R22
C18
CCP-BAR01U50V
RCP-AJ330
R24
Q3
STN-2SC3357
CCP-ACR5P50V
C70
LCL-E00935
L8
LCL-C01202-1
L9
RCP-AJ15
R21
(2-46-3D) BB
CCP-BA1000P50V
C16
R23
RCP-AJ1K
RCP-AJ220
R25
RCP-AJ220
R26
CCP-BAR01U50V
C17
CCP-BAR01U50V
C19
RCP-AJ10
R28
-15V-1
RCB-AH100
R111
RCP-AJ3R9K
R14
C12
CCP-BAR01U50V
RCP-AJ220
R16
(2-45-1D) AA
CCP-BA1000P50V
C11
RCP-AJ10
R13
R12
RCP-AJ220
RCP-AJ1R8K
R15
STN-2SC3357
Q2
RCP-AJ10
R17
RCP-AJ220
R18
CCP-BAR01U50V
C14
RCP-AJ10
R19
-15V-1



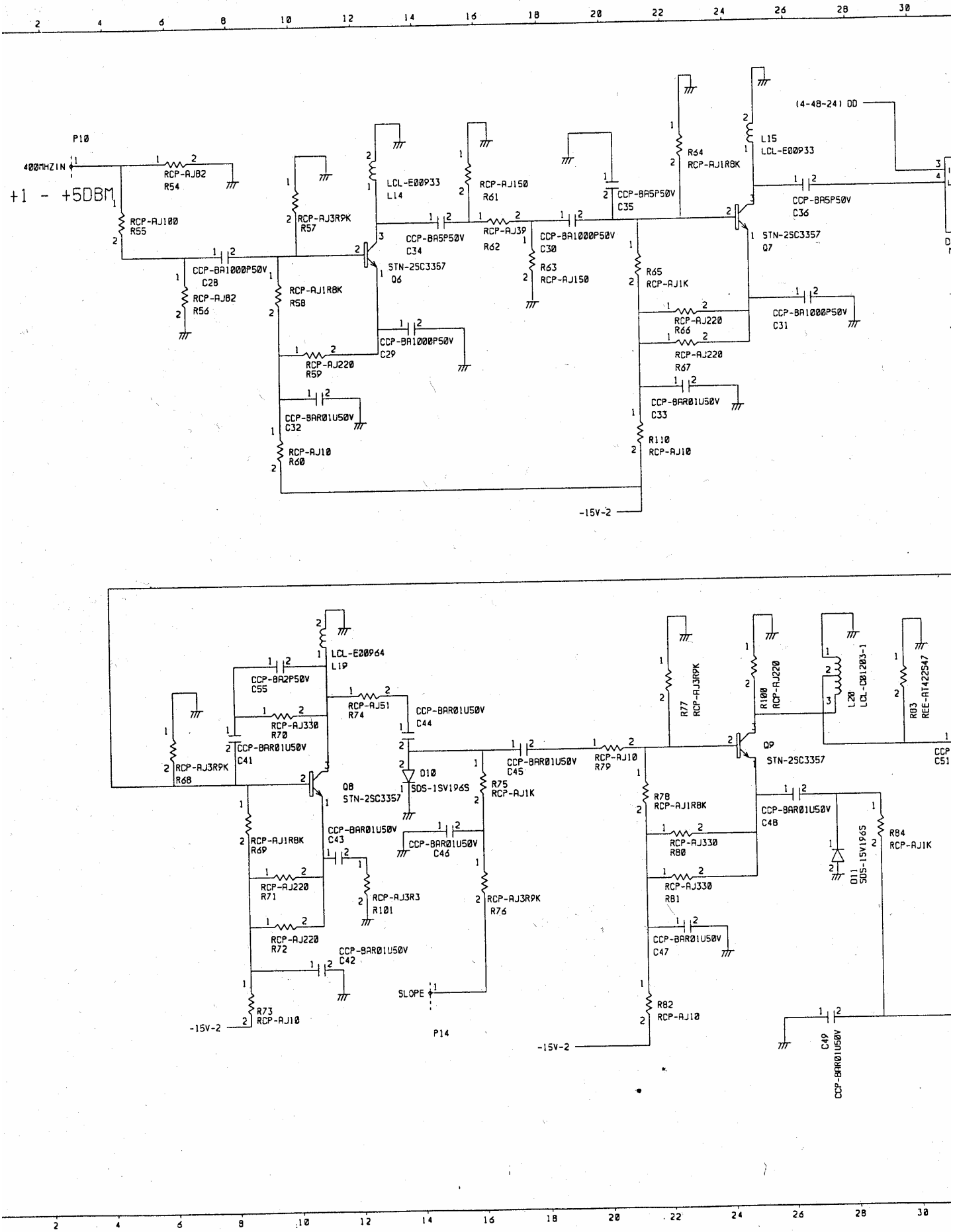

BLC-017027X01 3

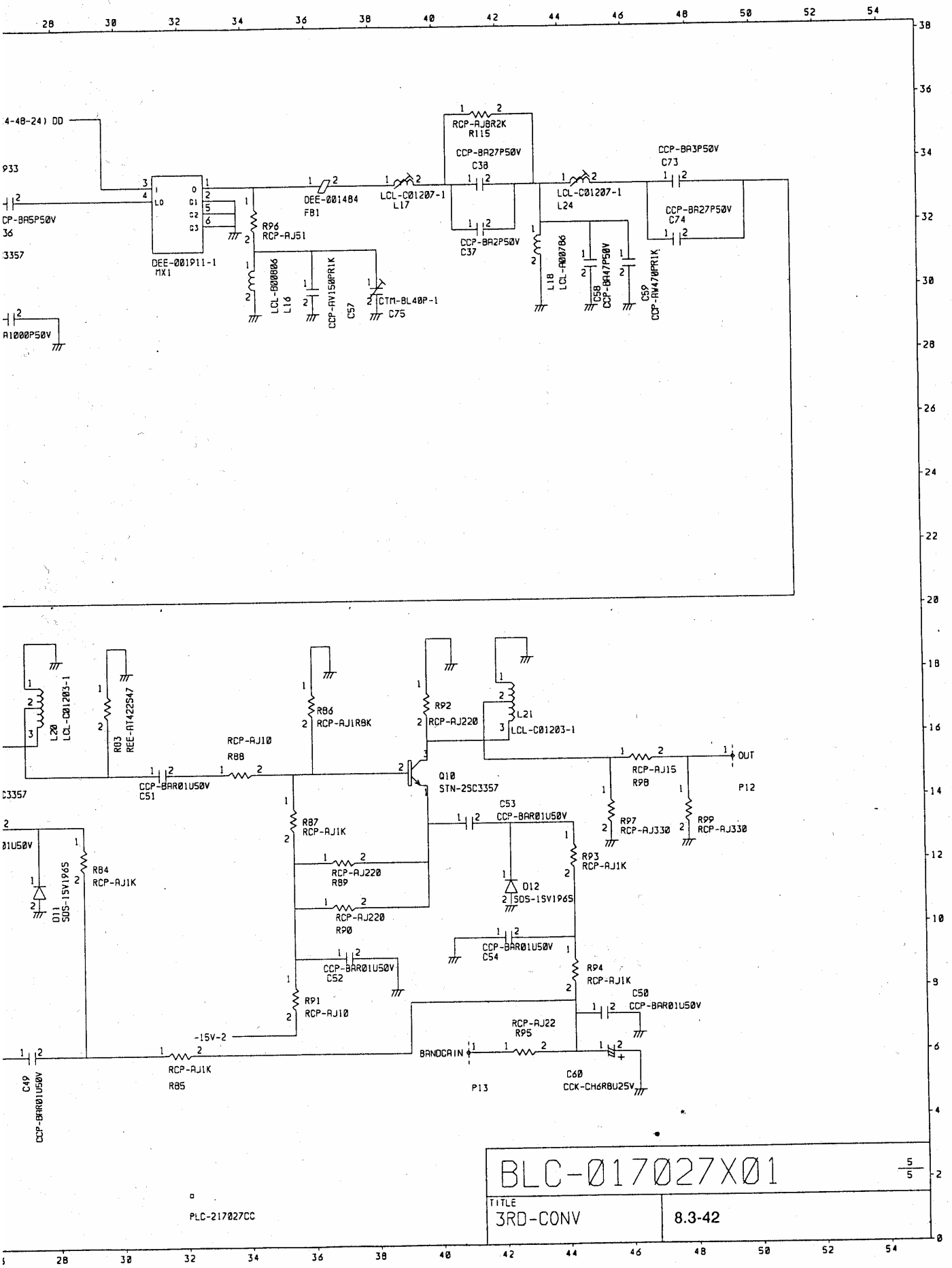
| TITLE | |
|---|---|
| 3RD-CONV | 8.3-40 |


SP1
JTE-BV002EX02-1
P12
JC1-AT001JX06-2
P11
JC1-AT001JX06-2
JCF-BA001JX01
J1
CHECK
RCP-AJ330
R40
RCP-AJ15
R41
RCP-AJ150
R43
DNF-001840-1
FL2
L11
LCL-C01202-1
CCP-ACR5P50V
C71
LCL-E00935
L10
(3-43-28) FL1
DNF-001840-1
FL1
RCP-AJ3R9K
R33
RCP-AJ220
R35
CCP-BAR01U50V
C22
Q4
STN-2SC3357
RCP-AJ15
R30
CCP-BA1000P50V
C20
RCP-AJ330
R29
RCP-AJ150
R32
RCP-AJ1R8K
R34
RCP-AJ8R2
R38
RCP-AJ330
R36
RCP-AJ330
R37
CCP-BAR01U50V
C21
CCP-BAR01U50V
C23
RCP-AJ10
R39
-15V-1
-15V-2




| | |
|---|---|
| BLC-017027X01 | 4 |
| TITLE: 3RD-CONV | 8.3-41 |


P10
400MHZIN
+1 - +5DBM
RCP-AJ82
R54
RCP-AJ100
R55
RCP-AJ3R9K
R57
LCL-E00933
L14
CCP-BA5P50V
C34
STN-2SC3357
Q6
RCP-AJ150
R61
RCP-AJ39
R62
CCP-BA1000P50V
C30
R63
RCP-AJ150
CCP-BA5P50V
C35
R64
RCP-AJ1R8K
L15
LCL-E00933
(4-48-24) DD
CCP-BA5P50V
C36
STN-2SC3357
Q7
CCP-BA1000P50V
C31
R65
RCP-AJ1K
RCP-AJ220
R66
RCP-AJ220
R67
CCP-BAR01U50V
C33
R110
RCP-AJ10
CCP-BA1000P50V
C28
RCP-AJ82
R56
RCP-AJ1R8K
R58
CCP-BA1000P50V
C29
RCP-AJ220
R59
CCP-BAR01U50V
C32
RCP-AJ10
R60
-15V-2
LCL-E00964
L19
CCP-BA2P50V
C55
RCP-AJ51
R74
CCP-BAR01U50V
C44
RCP-AJ330
R70
CCP-BAR01U50V
C41
RCP-AJ3R9K
R68
Q8
STN-2SC3357
D10
SDS-1SV196S
R75
RCP-AJ1K
CCP-BAR01U50V
C45
RCP-AJ10
R79
R77
RCP-AJ3R9K
R100
RCP-AJ220
L20
LCL-C01203-1
R03
REE-AT1422547
Q9
STN-2SC3357
CCP
C51
R78
RCP-AJ1R8K
CCP-BAR01U50V
C48
RCP-AJ330
R80
RCP-AJ330
R81
D11
SDS-15V196S
R84
RCP-AJ1K
CCP-BAR01U50V
C47
R82
RCP-AJ10
-15V-2
C49
CCP-BAR01U50V
RCP-AJ1R8K
R69
CCP-BAR01U50V
C43
CCP-BAR01U50V
C46
RCP-AJ3R3
R101
RCP-AJ3R9K
R76
RCP-AJ220
R71
RCP-AJ220
R72
CCP-BAR01U50V
C42
SLOPE
R73
RCP-AJ10
-15V-2
P14




BLC-017027X01

5/5

TITLE

3RD-CONV

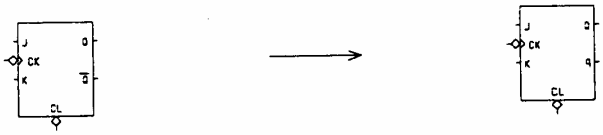
8.3-42

PLC-217027CC

# ■ DIAGRAMS ILLUSTRATION

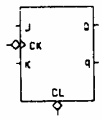
## SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

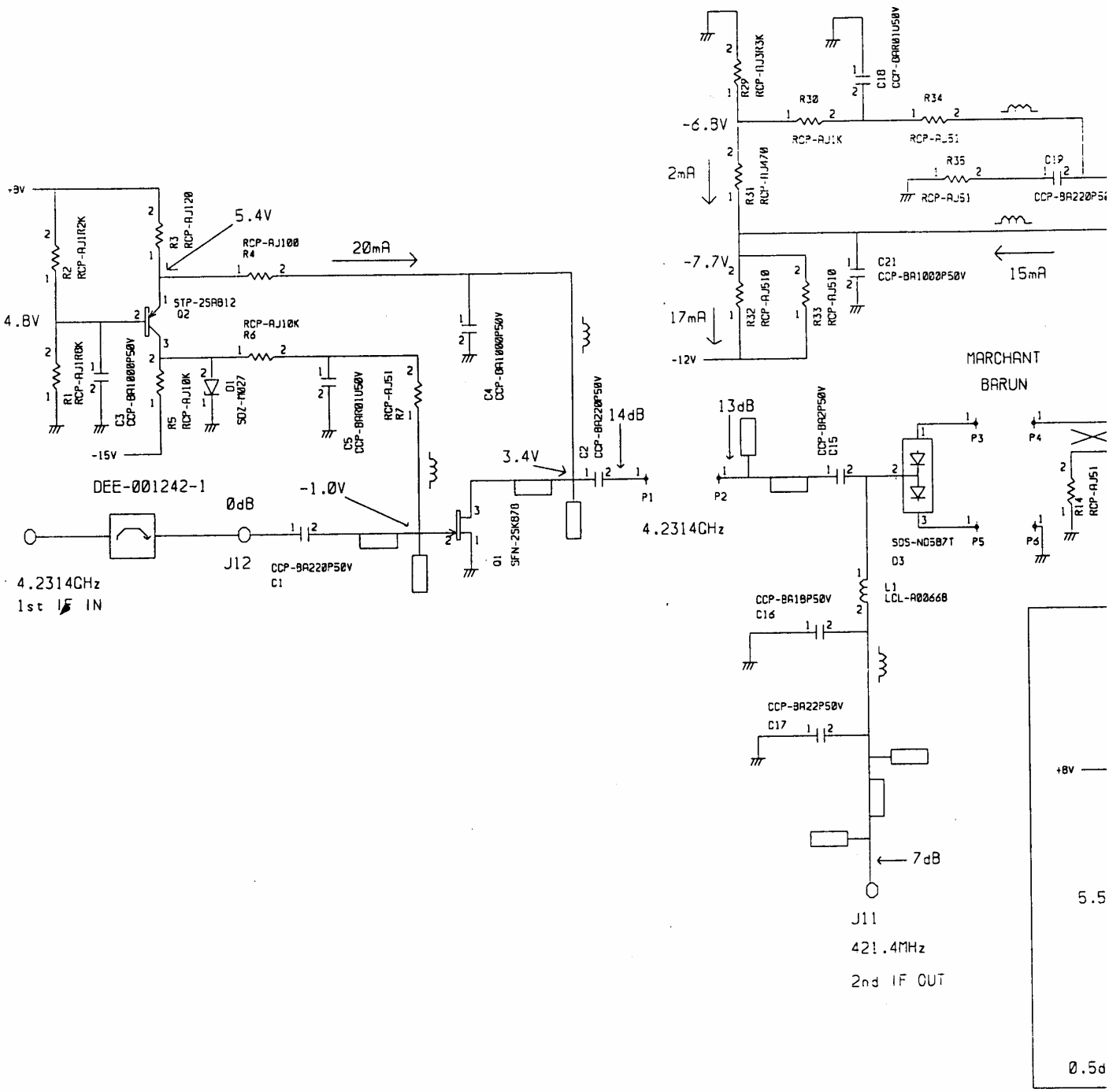


ITORS

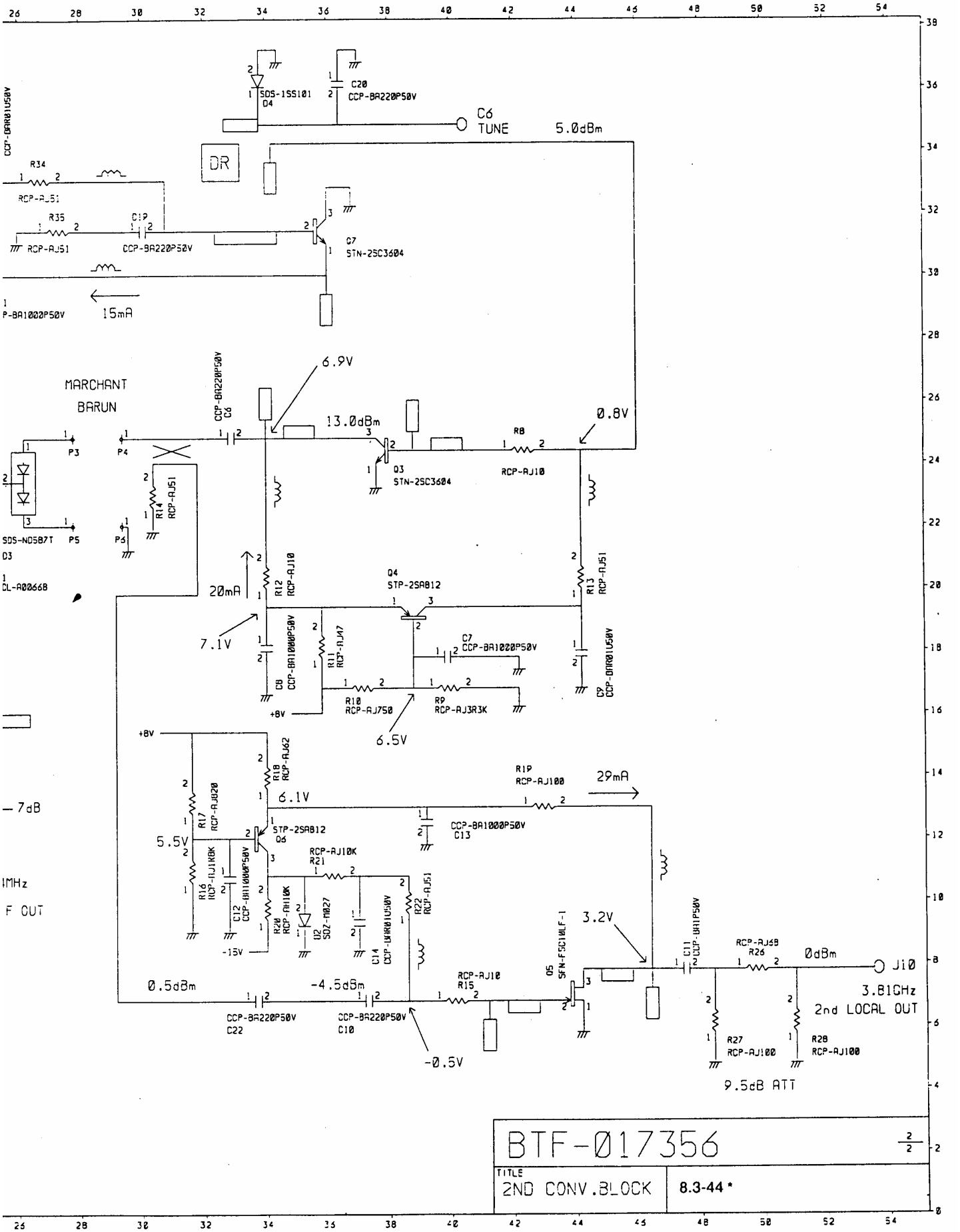
NEGATIVE LOGIC ARE
SMALL LETTER)




| | |
|---|---|
| BTF-017356 | 1 |
| TITLE 2ND CONV.BLOCK | 8.3-43 |


+8V
5.4V
R3 RCP-AJ120
RCP-AJ100 R4
20mA
R2 RCP-AJ1K2K
4.8V
STP-2SA812 Q2
RCP-AJ10K R6
R1 RCP-AJ1K8K
C3 CCP-BA1000P50V
R5 RCP-AJ10K
D1 SOZ-M027
C5 CCP-BA001U50V
RCP-AJ51 R7
C4 CCP-BA1000P50V
-15V
DEE-001242-1
0dB
-1.0V
3.4V
C2 CCP-BA220P50V
14dB
P1
4.2314GHz
1st IF IN
J12
CCP-BA220P50V C1
Q1 SFN-25K870
-6.8V
R29 RCP-AJ3K3K
C18 CCP-BA001U50V
R30 RCP-AJ1K
R34 RCP-AJ51
2mA
R31 RCP-AJ470
R35 RCP-AJ51
C19 CCP-BA220P50V
-7.7V
C21 CCP-BA1000P50V
15mA
17mA
R32 RCP-AJ510
R33 RCP-AJ510
-12V
MARCHANT
BARUN
13dB
CCP-BA2P50V C15
P2
P3
P4
P5
P6
SDS-ND587T D3
R14 RCP-AJ51
L1 LCL-A00668
CCP-BA18P50V C16
CCP-BA22P50V C17
7dB
J11
421.4MHz
2nd IF OUT
+8V
5.5
0.5d

PTF-2:735698


D4
SDS-1SS101
C20
CCP-BA220P50V
C6
TUNE
5.0dBm
DR
R34
RCP-AJ51
R35
C19
CCP-BA220P50V
C7
STN-2SC3604
15mA
MARCHANT
BARUN
6.9V
13.0dBm
0.8V
R8
RCP-AJ10
Q3
STN-2SC3604
P3
P4
P5
P6
SDS-ND5B7T
D3
CL-A00668
R14
R12
R13
20mA
Q4
STP-2SAB12
7.1V
C8
CCP-BA1000P50V
R11
RCP-AJ47
C7
CCP-BA1000P50V
C9
R10
RCP-AJ750
RP
RCP-AJ3R3K
+8V
6.5V
R18
RCP-AJ62
R19
RCP-AJ100
29mA
6.1V
R17
RCP-AJ820
STP-2SAB12
Q6
5.5V
C13
CCP-BA1000P50V
R21
RCP-AJ10K
R16
RCP-AJ1K8K
C12
CCP-BA1000P50V
R20
RCP-AH10K
U2
SDZ-M027
-15V
C14
R22
RCP-AJ51
3.2V
C11
CCP-UA1P50V
Q5
SFN-F5C10LF-1
RCP-AJ49
R26
0dBm
J10
3.81GHz
2nd LOCAL OUT
0.5dBm
-4.5dBm
C22
CCP-BA220P50V
C10
CCP-BA220P50V
R15
RCP-AJ10
-0.5V
R27
RCP-AJ100
R28
RCP-AJ100
9.5dB ATT
— 7dB
1MHz
F OUT
BTF-017356
2/2
TITLE
2ND CONV.BLOCK
8.3-44 *

**R3265A/3271A**
**IF BLOCK**
**WBL-32XXIF**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| | BLS-017025 | IF FILTER BOARD | |
| CB1 | DCB-FF4320X18-1 | CABLE COAXIAL | |
| CB2 | DCB-FF4320X12-1 | CABLE COAXIAL | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

**R3265A/3271A**
**IF BLOCK**
**BLS-017025(1 of 17)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| C3 -4 | CTM-BQ50P | VAR | CTM | 50pF | +50%-0% | 50V | |
| C5 -6 | CTM-BM3P | VAR | CTM | 3pF | +50%-0% | 100V | |
| C7 | CCP-AT20PR1K | FXD | CHIP | 20pF | ±10% | 100V | |
| C8 -9 | CCP-AV82PR1K | FXD | CHIP | 82pF | ±2% | 100V | |
| C10 -11 | CCP-AT27PR1K | FXD | CHIP | 27pF | ±5% | 100V | |
| C12 -13 | CCP-AV160PR1K | FXD | CHIP | 160pF | ±2% | 100V | |
| C14 -17 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C18 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C19 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C20 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C21 | CCP-AV160PR1K | FXD | CHIP | 160pF | ±2% | 100V | |
| C22 -23 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | ±10% | 50V | |
| C24 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C25 -26 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C27 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C28 -29 | CCP-AV160PR1K | FXD | CHIP | 160pF | ±2% | 100V | |
| C30 -31 | CCP-AV82PR1K | FXD | CHIP | 82pF | ±2% | 100V | |
| C32 -36 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C37 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C38 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C39 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C40 | CCP-BA8P50V | FXD | CHIP | 8pF | ±0.5pF | 50V | |
| C41 | CTM-BM6P | VAR | CTM | 6pF | +50%-0% | 100V | |
| C42 | CCP-AT43PR1K | FXD | CHIP | 43pF | ±5% | 100V | |
| C43 | CTM-BQ25P | VAR | CTM | 25pF | +50%-0% | 50V | |
| C44 -48 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C49 | CSM-BC4P50V-2 | FXD | 220ppm/°C | 4pF | ±0.25pF | 50V | |
| C50 -51 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C52 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C53 | CCP-BA8P50V | FXD | CHIP | 8pF | ±0.5pF | 50V | |
| C54 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C55 | CTM-BM6P | VAR | CTM | 6pF | +50%-0% | 100V | |
| C56 | CCP-AT43PR1K | FXD | CHIP | 43pF | ±5% | 100V | |
| C57 | CTM-BQ25P | VAR | CTM | 25pF | +50%-0% | 50V | |
| C58 -62 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C63 | CSM-BC4P50V-2 | FXD | 220ppm/°C | 4pF | ±0.25pF | 50V | |
| C64 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C65 -66 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C67 -68 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C69 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| C70 | CCP-BA8P50V | FXD | CHIP | 8pF | ±0.5pF | 50V | |
| C71 | CTM-BM3P | VAR | CTM | 3pF | +50%-0% | 100V | |
| C72 | CCP-AT5PR1K-2 | FXD | CHIP | 5pF | ±0.25pF | 100V | |
| C73 | CTM-BM20P | VAR | CTM | 20pF | +50%-0% | 100V | |
| C74 -77 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C78 -80 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C81 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C82 | CCP-BA8P50V | FXD | CHIP | 8pF | ±0.5pF | 50V | |
| C83 | CTM-BM3P | VAR | CTM | 3pF | +50%-0% | 100V | |
| C84 | CCP-AT5PR1K-2 | FXD | CHIP | 5pF | ±0.25pF | 100V | |
| C85 | CTM-BM20P | VAR | CTM | 20pF | +50%-0% | 100V | |
| C86 -89 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C90 -91 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C93 -103 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C104 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C105 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C106 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C107 | CCP-BA8P50V | FXD | CHIP | 8pF | ±0.5pF | 50V | |
| C108 | CTM-BM6P | VAR | CTM | 6pF | +50%-0% | 100V | |
| C109 | CCP-AT43PR1K | FXD | CHIP | 43pF | ±5% | 100V | |
| C110 | CTM-BQ25P | VAR | CTM | 25pF | +50%-0% | 50V | |
| C111 -115 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C116 | CSM-BC4P50V-2 | FXD | 2200ppm/°C | 4pF | ±0.25pF | 50V | |
| C117 -118 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C119 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C120 | CCP-BA8P50V | FXD | CHIP | 8pF | ±0.5pF | 50V | |
| C121 | CTM-BM6P | VAR | CTM | 6pF | +50%-0% | 100V | |
| C122 | CCP-AT43PR1K | FXD | CHIP | 43pF | ±5% | 100V | |
| C123 | CTM-BQ50P | VAR | CTM | 50pF | +50%-0% | 50V | |
| C124 -128 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C129 | CSM-BC4P50V-2 | FXD | 220ppm/°C | 4pF | ±0.25pF | 50V | |
| C130 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C131 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C132 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C133 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C134 | CCP-BA8P50V | FXD | CHIP | 8pF | ±0.5pF | 50V | |
| C135 | CTM-M3P | VAR | CTM | 3pF | +50%-0% | 100V | |
| C136 | CCP-AT5PR1K-2 | FXD | CHIP | 5pF | ±0.25pF | 100V | |
| C137 | CTM-BM20P | VAR | CTM | 20pF | +50%-0% | 100V | |
| C138 -141 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| C142 -144 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C145 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C146 | CCP-BA8P50V | FXD | CHIP | 8pF | ±0.5pF | 50V | |
| C147 | CTM-BM3P | VAR | CTM | 3pF | +50%-0% | 100V | |
| C148 | CCP-AT5PR1K-2 | FXD | CHIP | 5pF | ±0.25pF | 100V | |
| C149 | CTM-BM20P | VAR | CTM | 20pF | +50%-0% | 100V | |
| C150 -153 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C154 -155 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C156 -157 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C158 -166 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C167 -169 | CCK-BY33U25V | FXD | ELECT | 33μF | ±20% | 25V | |
| C170 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C171 -173 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C174 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C175 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C176 | CCP-AV120PR1K | FXD | CHIP | 120pF | ±2% | 100V | |
| C177 | CCP-AT24PR1K | FXD | CHIP | 24pF | ±5% | 100V | |
| C178 -179 | CCP-AV51PR1K | FXD | CHIP | 51pF | ±2% | 100V | |
| C180 -181 | CTM-BM20P | VAR | CTM | 10pF | +50%-0% | 100V | |
| C182 -183 | CTM-BM3P | VAR | CTM | 3pF | +50%-0% | 100V | |
| C184 -186 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C187 -193 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C194 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C195 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C196 | CCP-AT33PR1K | FXD | CHIP | 33pF | ±5% | 100V | |
| C197 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C198 -199 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C200 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C201 | CCP-AT33PR1K | FXD | CHIP | 33pF | ±5% | 100V | |
| C202 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C203 -204 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C205 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C206 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C207 | CCP-AT7PR1K | FXD | CHIP | 7pF | ±0.25pF | 100V | |
| C208 -209 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C210 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C211 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C212 | CCP-AT33PR1K | FXD | CHIP | 33pF | ±5% | 100V | |
| C213 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C214 -215 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| C216 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C217 | CCP-AT33PR1K | FXD | CHIP | 33pF | ±5% | 100V | |
| C218 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C219 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C220 | CCP-AW330PR1K | FXD | CHIP | 330pF | ±1% | 100V | |
| C221 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C222 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C223 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C224 -225 | CCP-AT27PR1K | FXD | CHIP | 27pF | ±5% | 100V | |
| C226 -227 | CCP-AW330PR1K | FXD | CHIP | 330pF | ±1% | 100V | |
| C228 -231 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C232 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C233 -264 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C265 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C266 -268 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C269 | CFM-ASR01U50V | FXD | FILM | 0.01μF | ±10% | 50V | |
| C270 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C271 | CCP-AV160PR1K | FXD | CHIP | 160pF | ±2% | 100V | |
| C272 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C273 | CTM-BM20P | VAR | CTM | 20pF | +50%-0% | 100V | |
| C274 | CCP-AT3PR1K | FXD | CHIP | 3pF | ±0.25pF | 100V | |
| C275 | CTM-BM10P | VAR | CTM | 10pF | +50%-0% | 100V | |
| C276 | CTM-BM20P | VAR | CTM | 20pF | +50%-0% | 100V | |
| C277 | CCP-AV68PR1K | FXD | CHIP | 68pF | ±2% | 100V | |
| C278 | CTM-BM20P | VAR | CTM | 20pF | +50%-0% | 100V | |
| C280 | CCP-AT3PR1K | FXD | CHIP | 3pF | ±0.25pF | 100V | |
| C281 | CTM-BM10P | VAR | CTM | 10pF | +50%-0% | 100V | |
| C282 | CCP-AV160PR1K | FXD | CHIP | 160pF | ±2% | 100V | |
| C283 | CFM-ANR47U50V | FXD | FILM | 0.47μF | ±5% | 50V | |
| C285 -287 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C288 -289 | CCP-AW470PR1K | FXD | CHIP | 470pF | ±1% | 100V | |
| C293 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C294 -295 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C296 | CFM-ASR01U50V | FXD | CHIP | | | | |
| C297 -300 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C301 -304 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C305 | CCP-BA10P50V | FXD | CHIP | 10pF | ±0.5pF | 50V | |
| C306 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C307 | CCP-AT10PR1K | FXD | CHIP | 10pF | ±0.5pF | 100V | |
| C308 | CCP-AT20PR1K | FXD | CHIP | 20pF | ±10% | 100V | |

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| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| C309 -310 | CCP-BBR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C311 -314 | CSM-BC43P50V-2 | FXD 220ppm/°C 43pF ±5% 50V | |
| C315 | CTM-BM20P | VAR CTM 20pF +50%-0% 100V | |
| C316 | CTM-BM3P | VAR CTM 3pF +50%-0% 100V | |
| C317 | CCP-BBR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C338 -340 | CCP-BBR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C341 -342 | CCP-BAR01U50V | FXD CHIP 0.01μF ±10% 50V | |
| C400 | CTM-BM20P | VAR CTM 20pF +50%-0% 100V | |
| C426 -428 | CCP-BAR01U50V | FXD CHIP 0.01μF ±10% 50V | |
| C429 | CCP-BBR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C431 | CCP-BA2200P50V | FXD CHIP 2200PF ±20% 50V | |
| C441 -448 | CSM-BC43P50V | FXD 220ppm/°C 43pF ±5% 50V | |
| C451 | CFM-AHR1U100V | FXD FILM 0.1μF ±10% 100V | |
| C452 -453 | CFM-ASR047U50V | FXD FILM 0.047μF ±10% 50V | |
| C454 | CFM-AHR1U100V | FXD FILM 0.1μF ±10% 100V | |
| C501 | CSM-AZ2P50V | FXD CHIP 2pF ±0.25pF 50V | |
| CB1 -2 | DNF-000986 | FERRITE BEAD INDUCTOR | |
| D1 -19 | SDS-MA78 | DIODE SI | |
| D20 -23 | SDS-1SV196S | PIN DIODE | |
| D24 -27 | SDS-1SV34 | PIN DIODE | |
| D28 -32 | SDS-1SV196S | PIN DIODE | |
| D33 -34 | SDZ-MO51 | ZENER DIODE | |
| D35 | SDS-1SS270 | DIODE SI | |
| D36 -37 | SDS-MA78 | DIODE SI | |
| D38 -40 | SDS-1S2222 | DIODE SI | |
| D41 | SDS-1SV50 | VARACTOR | |
| D42 -46 | SDS-1S2222 | DIODE SI | |
| D47 -48 | SDS-1SV196S | PIN DIODE | |
| D51 -52 | SDS-1S2222 | DIODE SI | |
| D53 | SDS-1SV50 | VARACTOR | |
| D61 -62 | SDS-1S2222-2 | DIODE SI | |
| D63 -66 | SDS-1SS270 | DIODE SI | |
| J1 -2 | JCF-BF001JX02-1 | CONNECTOR COAXIAL | |
| J3 -6 | JCF-BF001JX01-1 | CONNECTOR COAXIAL | |
| J7 | JCR-CA64PX01-1 | CONNECTOR 64PIN | |
| J8 | JCR-CA50PX01-1 | CONNECTOR 50PIN | |
| J10 | JCS-DN002PX02-1 | CONNECTOR 2PIN | |
| J11 -12 | JCF-BF001JX01-1 | CONNECTOR COAXIAL | |
| L1 -2 | LCL-C01184-1 | COIL (CUSTOM DEVICE) | |
| L3 | LCL-C01229 | COIL (CUSTOM DEVICE) | |

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| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| L4 -5 | LCL-C01184-1 | COIL | | | (CUSTOM DEVICE) | |
| L6 | LCL-C00672A | COIL | | | (CUSTOM DEVICE) | |
| L7 -8 | LCL-C01184-1 | COIL | | | (CUSTOM DEVICE) | |
| L9 | LCL-C00672A-1 | COIL | | | (CUSTOM DEVICE) | |
| L10 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L11 | LCL-C01182-1 | COIL | | | (CUSTOM DEVICE) | |
| L12 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L13 | LCL-B00364 | COIL | | 2.2μH | ±10% | |
| L14 -16 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L17 | LCL-C00010 | COIL | | 180μH | ±10% | |
| L18 | LCL-C01183-1 | COIL | | | (CUSTOM DEVICE) | |
| L19 -20 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L21 | LCL-C00010 | COIL | | 180μH | ±10% | |
| L22 | LCL-C01183-1 | COIL | | | (CUSTOM DEVICE) | |
| L23 -24 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L25 | LCL-C00010 | COIL | | 180μH | ±10% | |
| L26 | LCL-C00672A-1 | COIL | | | (CUSTOM DEVICE) | |
| L27 -28 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L29 | LCL-C00010 | COIL | | 180μH | ±10% | |
| L30 | LCL-C00672A-1 | COIL | | | (CUSTOM DEVICE) | |
| L31 -34 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L35 | LCL-C00010 | COIL | | 180μH | ±10% | |
| L36 | LCL-C01183-1 | COIL | | | (CUSTOM DEVICE) | |
| L37 -38 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L39 | LCL-C00010 | COIL | | 180μH | ±10% | |
| L40 | LCL-C01183-1 | COIL | | | (CUSTOM DEVICE) | |
| L41 -42 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L43 | LCL-C00010 | COIL | | 180μH | ±10% | |
| L44 | LCL-C00672A-1 | COIL | | | (CUSTOM DEVICE) | |
| L45 -46 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L47 | LCL-C00010 | COIL | | 180μH | ±10% | |
| L48 | LCL-C00672A-1 | COIL | | | (CUSTOM DEVICE) | |
| L49 -52 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L53 | LCL-C01182-1 | COIL | | | (CUSTOM DEVICE) | |
| L54 | LCL-C01184-1 | COIL | | | (CUSTOM DEVICE) | |
| L55 | LCL-C01229 | COIL | | | (CUSTOM DEVICE) | |
| L56 | LCL-C01184-1 | COIL | | | (CUSTOM DEVICE) | |
| L57 -60 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L61 | LCL-B00370-1 | COIL | | 22μH | ±10% | |
| L62 | LCL-C01185-1 | COIL | | | (CUSTOM DEVICE) | |

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| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| L63 | LCL-B00370-1 | COIL | | 22μH | ±10% | |
| L64 | LCL-C01185-1 | COIL | | | (CUSTOM DEVICE) | |
| L65 | LCL-B00386-1 | COIL | | 3.9μH | ±10% | |
| L66 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L67 | LCL-B00370-1 | COIL | | 22μH | ±10% | |
| L68 | LCL-C01185-1 | COIL | | | (CUSTOM DEVICE) | |
| L69 | LCL-B00370-1 | COIL | | 22μH | ±10% | |
| L70 | LCL-C01185-1 | COIL | | | (CUSTOM DEVICE) | |
| L71 | LCL-C00010 | COIL | | 180μH | ±10% | |
| L72 -73 | LCL-T00084A | COIL | | | (CUSTOM DEVICE) | |
| L74 -77 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L78 | LCL-C01175-1 | COIL | | | (CUSTOM DEVICE) | |
| L79 -80 | LCL-B01002 | COIL | | 4.7μH | ±10% | |
| L81 -82 | LCL-C01184-1 | COIL | | | (CUSTOM DEVICE) | |
| L83 | LCL-E01176 | COIL | | | (CUSTOM DEVICE) | |
| L84 | LCL-B00371 | COIL | | 33μH | ±10% | |
| L85 | LCL-E00980 | COIL | CHIP | 220μH | ±10% | |
| L101 | LCL-B00364 | COIL | | 2.2μH | ±10% | |
| M1 -3 | DEE-001911 | MIXER | | | (CUSTOM DEVICE) | |
| Q1 -2 | STN-2SC3357 | TRANSISTOR | NPN | | | |
| Q3 -18 | STN-2SC1623 | TRANSISTOR | NPN | | | |
| Q19 | STN-2SC3357 | TRANSISTOR | NPN | | | |
| Q20 -21 | STP-2SA1226 | TRANSISTOR | PNP | | | |
| Q22 -26 | STT-XN6113 | TRANSISTOR | DUAL | | | |
| Q28 | STP-2SA1226 | TRANSISTOR | PNP | | | |
| Q29 -32 | STN-2SC1623 | TRANSISTOR | NPN | | | |
| Q35 | STP-2SA1226 | TRANSISTOR | PNP | | | |
| R1 | RMF-BJ22QFK | FXD | 22Ω | ±1% | 1/4W | |
| R2 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R3 | RMF-BJ220QFK | FXD | 220Ω | ±1% | 1/4W | |
| R4 | RMF-BJ180QFK | FXD | 180Ω | ±1% | 1/4W | |
| R5 -6 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R7 | RMF-BJ22QFK | FXD | 22Ω | ±1% | 1/4W | |
| R8 | RMF-BJ10KFK | FXD | 10kΩ | ±1% | 1/4W | |
| R9 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R11 | RMF-BJ220QFK | FXD | 220Ω | ±1% | 1/4W | |
| R12 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R13 | RMF-BJ330QFK | FXD | 330Ω | ±1% | 1/4W | |
| R14 | RMF-BJ100QFK | FXD | 1kΩ | ±1% | 1/4W | |
| R17 | RMF-BJ220QFK | FXD | 220Ω | ±1% | 1/4W | |

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**IF BLOCK**
**BLS-017025 (8 of 17)**

| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| R18 | RMF-BJ33QFK | FXD | | 33Ω | ±1% | 1/4W | |
| R19 | RVR-DF100 | VAR | | 1kΩ | ±20% | 1/2W | |
| R20 -21 | RMF-BJ470QFK | FXD | | 470Ω | ±1% | 1/4W | |
| R22 | RMF-BJ100QFK | FXD | | 100Ω | ±1% | 1/4W | |
| R23 | RMF-BJ15QFK | FXD | | 15Ω | ±1% | 1/4W | |
| R24 | RCB-AG120 | FXD | | 120Ω | ±5% | 1/8W | |
| R25 | RMF-BJ22KFK | FXD | | 22kΩ | ±1% | 1/4W | |
| R26 | RMF-BJ4R7KFK | FXD | | 4.7kΩ | ±1% | 1/4W | |
| R27 | RMF-BJ560QFK | FXD | | 560Ω | ±1% | 1/4W | |
| R28 | RMF-BJ1KFK | FXD | | 1kΩ | ±1% | 1/4W | |
| R29 | RMF-BJ100QFK | FXD | | 100Ω | ±1% | 1/4W | |
| R30 | RMF-BJ15KFK | FXD | | 15kΩ | ±1% | 1/4W | |
| R31 | RCP-AN51K | FXD | CHIP | 51kΩ | ±0.5% | 1/16W | |
| R32 | RMF-AC4R38KFJ | FXD | | 4.38kΩ | ±1% | 1/4W | |
| R33 | RMF-AC1R1KFJ | FXD | | 1.1kΩ | ±1% | 1/4W | |
| R34 | RMF-BJ750QFK | FXD | | 750Ω | ±1% | 1/4W | |
| R35 | RMF-BJ330QFK | FXD | | 330Ω | ±1% | 1/4W | |
| R36 -40 | RMF-BJ2R2KFK | FXD | | 2.2kΩ | ±1% | 1/4W | |
| R41 | RMF-BJ15QFK | FXD | | 15Ω | ±1% | 1/4W | |
| R42 | RMF-BJ82QFK | FXD | | 82Ω | ±1% | 1/4W | |
| R43 | RVR-DF100 | VAR | | 100Ω | ±20% | 1/2W | |
| R44 | RMF-BJ22KFK | FXD | | 22kΩ | ±1% | 1/4W | |
| R45 | RMF-BJ4R7KFK | FXD | | 4.7kΩ | ±1% | 1/4W | |
| R46 | RMF-BJ560QFK | FXD | | 560Ω | ±1% | 1/4W | |
| R47 | RMF-BJ1KFK | FXD | | 1kΩ | ±1% | 1/4W | |
| R48 | RMF-BJ100QFK | FXD | | 100Ω | ±1% | 1/4W | |
| R49 | RMF-BJ15KFK | FXD | | 15kΩ | ±1% | 1/4W | |
| R50 | RCP-AN51K | FXD | CHIP | 51kΩ | ±0.5% | 1/16W | |
| R51 | RMF-AC4R38KFJ | FXD | | 4.38kΩ | ±1% | 1/4W | |
| R52 | RMF-AC1R1KFJ | FXD | | 1.1kΩ | ±1% | 1/4W | |
| R53 | RMF-BJ750QFK | FXD | | 750Ω | ±1% | 1/4W | |
| R54 | RMF-BJ330QFK | FXD | | 330Ω | ±1% | 1/4W | |
| R55 -59 | RMF-BJ2R2KFK | FXD | | 2.2kΩ | ±1% | 1/4W | |
| R60 | RMF-BJ560QFK | FXD | | 560Ω | ±1% | 1/4W | |
| R62 | RMF-BJ180QFK | FXD | | 180Ω | ±1% | 1/4W | |
| R63 | RMF-BJ1KFK | FXD | | 1kΩ | ±1% | 1/4W | |
| R64 | RMF-BJ10QFK | FXD | | 10Ω | ±1% | 1/4W | |
| R65 | RMF-BJ180QFK | FXD | | 180Ω | ±1% | 1/4W | |
| R66 | RMF-BJ15QFK | FXD | | 15Ω | ±1% | 1/4W | |
| R67 | RMF-BJ3R9KFK | FXD | | 3.9kΩ | ±1% | 1/4W | |

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**IF BLOCK**
**BLS-017025 (9 of 17)**

| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| R68 | RMF-BJ2R2KFK | FXD | 2.2kΩ | ±1% | 1/4W | |
| R69 | RMF-BJ15QFK | FXD | 15Ω | ±1% | 1/4W | |
| R70 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R71 | RMF-BJ22KFK | FXD | 22kΩ | ±1% | 1/4W | |
| R72 | RMF-BJ4R7KFK | FXD | 4.7kΩ | ±1% | 1/4W | |
| R73 | RMF-BJ560QFK | FXD | 560Ω | ±1% | 1/4W | |
| R74 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R75 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R76 | RMF-BJ18KFK | FXD | 18kΩ | ±1% | 1/4W | |
| R77 | RMF-BJ3R3KFK | FXD | 3.3kΩ | ±1% | 1/4W | |
| R78 | RMF-BJ1R2KFK | FXD | 1.2kΩ | ±1% | 1/4W | |
| R79 | RMF-AC910QFJ | FXD | 910Ω | ±1% | 1/4W | |
| R80 | RMF-BJ270QFK | FXD | 270Ω | ±1% | 1/4W | |
| R81 | RMF-BJ82QFK | FXD | 82Ω | ±1% | 1/4W | |
| R82 -86 | RMF-BJ2R2KFK | FXD | 2.2kΩ | ±1% | 1/4W | |
| R87 | RMF-BJ15QFK | FXD | 15Ω | ±1% | 1/4W | |
| R88 | RVR-DF200 | VAR | 200Ω | ±20% | 1/2W | |
| R89 | RMF-BJ22KFK | FXD | 22kΩ | ±1% | 1/4W | |
| R90 | RMF-BJ4R7KFK | FXD | 4.7kΩ | ±1% | 1/4W | |
| R91 | RMF-BJ560QFK | FXD | 560Ω | ±1% | 1/4W | |
| R92 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R93 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R94 | RMF-BJ18KFK | FXD | 18kΩ | ±1% | 1/4W | |
| R95 | RMF-BJ3R3KFK | FXD | 3.3kΩ | ±1% | 1/4W | |
| R96 | RMF-BJ1R2KFK | FXD | 1.2kΩ | ±1% | 1/4W | |
| R97 | RMF-AC910QFJ | FXD | 910Ω | ±1% | 1/4W | |
| R98 | RMF-BJ270QFK | FXD | 270Ω | ±1% | 1/4W | |
| R99 | RMF-BJ82QFK | FXD | 82Ω | ±1% | 1/4W | |
| R100 -104 | RMF-BJ2KFK | FXD | 2.2kΩ | ±1% | 1/4W | |
| R105 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |
| R106 | RVR-DF500 | VAR | 500Ω | ±20% | 1/2W | |
| R107 | RMF-BJ560QFK | FXD | 560Ω | ±1% | 1/4W | |
| R108 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R109 -110 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R111 | RMF-BJ220QFK | FXD | 220Ω | ±1% | 1/4W | |
| R112 | RMF-BJ33QFK | FXD | 33Ω | ±1% | 1/4W | |
| R113 | RMF-BJ3R9KFK | FXD | 3.9kΩ | ±1% | 1/4W | |
| R114 | RVR-DF20 | VAR | 20Ω | ±20% | 1/2W | |
| R115 | RMF-BJ2R2KFK | FXD | 2.2kΩ | ±1% | 1/4W | |
| R116 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |

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**IF BLOCK**
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| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| R117 | RMF-BJ1KFK | FXD | | 1kΩ | ±1% | 1/4W | |
| R118 | RMF-BJ33QFK | FXD | | 33Ω | ±1% | 1/4W | |
| R119 | RMF-BJ3R9KFK | FXD | | 3.9kΩ | ±1% | 1/4W | |
| R120 | RVR-DF20 | VAR | | 20Ω | ±20% | 1/2W | |
| R121 | RMF-BJ2R2KFK | FXD | | 2.2kΩ | ±1% | 1/4W | |
| R122 | RVR-DF100 | VAR | | 100Ω | ±20% | 1/2W | |
| R123 | RMF-BJ2R2KFK | FXD | | 2.2kΩ | ±1% | 1/4W | |
| R124 | RMF-BJ470QFK | FXD | | 470Ω | ±1% | 1/4W | |
| R125 | RMF-BJ1KFK | FXD | | 1kΩ | ±1% | 1/4W | |
| R126 | RMF-BJ33QFK | FXD | | 33Ω | ±1% | 1/4W | |
| R127 | RMF-BJ3R9KFK | FXD | | 3.9kΩ | ±1% | 1/4W | |
| R128 | RVR-DF20 | VAR | | 20Ω | ±20% | 1/2W | |
| R129 | RMF-BJ2R2KFK | FXD | | 2.2kΩ | ±1% | 1/4W | |
| R130 | RMF-BJ470QFK | FXD | | 470Ω | ±1% | 1/4W | |
| R131 | RMF-BJ1KFK | FXD | | 1kΩ | ±1% | 1/4W | |
| R132 | RMF-BJ33QFK | FXD | | 33Ω | ±1% | 1/4W | |
| R133 | RMF-BJ3R9KFK | FXD | | 3.9kΩ | ±1% | 1/4W | |
| R134 | RVR-DF20 | VAR | | 20Ω | ±20% | 1/2W | |
| R135 | RMF-BJ2R2KFK | FXD | | 2.2kΩ | ±1% | 1/4W | |
| R136 | RMF-BJ470QFK | FXD | | 470Ω | ±1% | 1/4W | |
| R137 | RMF-BJ1KFK | FXD | | 1kΩ | ±1% | 1/4W | |
| R138 | RMF-BJ15QFK | FXD | | 15Ω | ±1% | 1/4W | |
| R139 | RCB-AG120 | FXD | | 120Ω | ±5% | 1/6W | |
| R140 | RMF-BJ22KFK | FXD | | 22kΩ | ±1% | 1/4W | |
| R141 | RMF-BJ4R7KFK | FXD | | 4.7kΩ | ±1% | 1/4W | |
| R142 | RMF-BJ560QFK | FXD | | 560Ω | ±1% | 1/4W | |
| R143 | RMF-BJ220QFK | FXD | | 220Ω | ±1% | 1/4W | |
| R144 | RVR-DF5K | VAR | | 5kΩ | ±20% | 1/2W | |
| R145 | RMF-BJ1KFK | FXD | | 1kΩ | ±1% | 1/4W | |
| R146 | RMF-BJ100QFK | FXD | | 100Ω | ±1% | 1/4W | |
| R147 | RMF-BJ15KFK | FXD | | 15kΩ | ±1% | 1/4W | |
| R148 | RCP-AN51K | FXD | CHIP | 51kΩ | ±0.5% | 1/16W | |
| R149 | RMF-AV4R38KFJ | FXD | | 4.38kΩ | ±1% | 1/4W | |
| R150 | RMF-AC1R1KFJ | FXD | | 1.1kΩ | ±1% | 1/4W | |
| R151 | RMF-BJ680KFJ | FXD | | 680Ω | ±1% | 1/4W | |
| R152 | RMF-AC301QFJ | FXD | | 301Ω | ±1% | 1/4W | |
| R153 -157 | RMF-BJ2R2KFK | FXD | | 2.2kΩ | ±1% | 1/4W | |
| R158 | RMF-BJ15QFK | FXD | | 15Ω | ±1% | 1/4W | |
| R159 | RMF-BJ82QFK | FXD | | 82Ω | ±1% | 1/4W | |
| R160 | RVR-DF100 | VAR | | 100Ω | ±20% | 1/2W | |

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**IF BLOCK**
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| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| R161 | RMF-BJ22KFK | FXD | | 22kΩ | ±1% | 1/4W | |
| R162 | RMF-BJ4R7KFK | FXD | | 4.7kΩ | ±1% | 1/4W | |
| R163 | RMF-BJ560QFK | FXD | | 560Ω | ±1% | 1/4W | |
| R164 | RMF-BJ1KFK | FXD | | 1kΩ | ±1% | 1/4W | |
| R165 | RMF-BJ100QFK | FXD | | 100Ω | ±1% | 1/4W | |
| R166 | RMF-BJ15KFK | FXD | | 15kΩ | ±1% | 1/4W | |
| R167 | RCP-AN51K | FXD | CHIP | 51kΩ | ±0.5% | 1/16W | |
| R168 | RMF-AC4R38KFJ | FXD | | 4.38kΩ | ±1% | 1/4W | |
| R169 | RMF-AC1R1KFJ | FXD | | 1.1kΩ | ±1% | 1/4W | |
| R170 | RMF-BJ680QFK | FXD | | 680Ω | ±1% | 1/4W | |
| R171 | RMF-AC301QFJ | FXD | | 301Ω | ±1% | 1/4W | |
| R172 -176 | RMF-BJ2R2KFK | FXD | | 2.2kΩ | ±1% | 1/4W | |
| R177 | RMF-BJ220QFK | FXD | | 220Ω | ±1% | 1/4W | |
| R178 | RVR-DF500 | VAR | | 500Ω | ±20% | 1/2W | |
| R179 | RMF-BJ180QFK | FXD | | 180Ω | ±1% | 1/4W | |
| R180 | RMF-BJ560QFK | FXD | | 560Ω | ±1% | 1/4W | |
| R181 | RMF-BJ100QFK | FXD | | 100Ω | ±1% | 1/4W | |
| R182 | RMF-BJ15QFK | FXD | | 15Ω | ±1% | 1/4W | |
| R183 | RMF-BJ100QFK | FXD | | 100Ω | ±1% | 1/4W | |
| R184 | RMF-BJ22KFK | FXD | | 22kΩ | ±1% | 1/4W | |
| R185 | RMF-BJ4R7KFK | FXD | | 4.7kΩ | ±1% | 1/4W | |
| R186 | RMF-BJ560QFK | FXD | | 560Ω | ±1% | 1/4W | |
| R187 | RMF-BJ1KFK | FXD | | 1kΩ | ±1% | 1/4W | |
| R188 | RMF-BJ100QFK | FXD | | 100Ω | ±1% | 1/4W | |
| R189 | RMF-BJ18KFK | FXD | | 18kΩ | ±1% | 1/4W | |
| R190 | RMF-BJ3R3KFK | FXD | | 3.3kΩ | ±1% | 1/4W | |
| R191 | RMF-BJ1R2KFK | FXD | | 1.2kΩ | ±1% | 1/4W | |
| R192 | RMF-AC910QFJ | FXD | | 910Ω | ±1% | 1/4W | |
| R193 | RMF-BJ270QFK | FXD | | 270Ω | ±1% | 1/4W | |
| R194 | RMF-BJ82QFK | FXD | | 82Ω | ±1% | 1/4W | |
| R195 -199 | RMF-BJ2R2KFK | FXD | | 2.2kΩ | ±1% | 1/4W | |
| R200 | RMF-BJ15QFK | FXD | | 15Ω | ±1% | 1/4W | |
| R201 | RVR-DF200 | VAR | | 200Ω | ±20% | 1/2W | |
| R202 | RMF-BJ22KFK | FXD | | 22kΩ | ±1% | 1/4W | |
| R203 | RMF-BJ4R7KFK | FXD | | 4.7kΩ | ±1% | 1/4W | |
| R204 | RMF-BJ560QFK | FXD | | 560Ω | ±1% | 1/4W | |
| R205 | RMF-BJ1KFK | FXD | | 1kΩ | ±1% | 1/4W | |
| R206 | RMF-BJ100QFK | FXD | | 100Ω | ±1% | 1/4W | |
| R207 | RMF-BJ18KFK | FXD | | 18kΩ | ±1% | 1/4W | |
| R208 | RMF-BJ3R3KFK | FXD | | 3.3kΩ | ±1% | 1/4W | |

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| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| R209 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R210 | RMF-AC910QFJ | FXD | 910Ω | ±1% | 1/4W | |
| R211 | RMF-BJ270QFK | FXD | 270Ω | ±1% | 1/4W | |
| R212 | RMF-BJ82QFK | FXD | 82Ω | ±1% | 1/4W | |
| R213 -217 | RMF-BJ2R2KFK | FXD | 2.2kΩ | ±1% | 1/4W | |
| R218 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |
| R219 | RVR-DF500 | VAR | 500Ω | ±20% | 1/2W | |
| R220 | RMF-BJ33QFK | FXD | 33Ω | ±1% | 1/4W | |
| R221 | RVR-DF200 | VAR | 200Ω | ±20% | 1/2W | |
| R222 | RMF-BJ4R7KFK | FXD | 4.7kΩ | ±1% | 1/4W | |
| R223 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |
| R224 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R225 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R226 | RMF-BJ330QFK | FXD | 330Ω | ±1% | 1/4W | |
| R227 | RMF-BJ56QFK | FXD | 56Ω | ±1% | 1/4W | |
| R228 | RMF-BJ2R2KFK | FXD | 2.2kΩ | ±1% | 1/4W | |
| R229 -230 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |
| R231 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R232 | RMF-BJ10QFK | FXD | 10Ω | ±1% | 1/4W | |
| R233 | RMF-BJ270QFK | FXD | 270Ω | ±1% | 1/4W | |
| R234 | RMF-BJ10KFK | FXD | 10kΩ | ±1% | 1/4W | |
| R235 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R236 | RMF-BJ56QFK | FXD | 56Ω | ±1% | 1/4W | |
| R237 | RMF-BJ22QFK | FXD | 22Ω | ±1% | 1/4W | |
| R238 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |
| R239 | RMF-BJ56QFK | FXD | 56Ω | ±1% | 1/4W | |
| R240 | RMF-BJ330QFK | FXD | 330Ω | ±1% | 1/4W | |
| R241 -242 | RMF-BJ22QFK | FXD | 22Ω | ±1% | 1/4W | |
| R243 | RVR-DF200 | VAR | 200Ω | ±20% | 1/2W | |
| R244 | RMF-BJ390QFK | FXD | 390Ω | ±1% | 1/4W | |
| R245 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |
| R246 | RMF-BJ8R2KFK | FXD | 8.2kΩ | ±1% | 1/4W | |
| R247 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R248 | RMF-BJ22QFK | FXD | 22Ω | ±1% | 1/4W | |
| R249 | RMF-BJ1R8KFK | FXD | 1.8kΩ | ±1% | 1/4W | |
| R250 | RMF-BJ330QFK | FXD | 330Ω | ±1% | 1/4W | |
| R251 | DSP-000017 | THERMISTOR | (SPECIAL PART) | | | |
| R252 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |
| R253 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R254 | RMF-BJ22QFK | FXD | 22Ω | ±1% | 1/4W | |

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| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| R255 | RMF-BJ1R2KFK | FXD | 1.2kΩ | ±1% | 1/4W | |
| R256 | RMF-BJ330QFK | FXD | 330Ω | ±1% | 1/4W | |
| R257 | DSP-000017 | THERMISTOR | (SPECIAL PART) | | | |
| R258 | RVR-DF1K | VAR | 1kΩ | ±20% | 1/2W | |
| R259 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |
| R260 -261 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R262 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R263 | RMF-BJ1MFK | FXD | 1MΩ | ±1% | 1/4W | |
| R265 | RVR-DF50 | VAR | 50Ω | ±20% | 1/2W | |
| R266 | RMF-BJ12KFK | FXD | 12kΩ | ±1% | 1/4W | |
| R267 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R268 -269 | REE-AR510 | FXD | 3300ppm/°C 510Ω | ±5% | 1/4W | |
| R270 | RMF-BJ47QFK | FXD | 47Ω | ±1% | 1/4W | |
| R271 | RMF-BJ820QFK | FXD | 820Ω | ±1% | 1/4W | |
| R272 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R273 | RVR-DF50 | VAR | 50Ω | ±20% | 1/2W | |
| R274 | RMF-BJ1R5KFK | FXD | 1.5kΩ | ±1% | 1/4W | |
| R275 | RMF-BJ330QFK | FXD | 330Ω | ±1% | 1/4W | |
| R276 | DSP-000017 | THERMISTOR | (SPECIAL PART) | | | |
| R277 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |
| R278 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R279 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R280 | RMF-BJ390QFK | FXD | 390Ω | ±1% | 1/4W | |
| R281 | RVR-DF500 | VAR | 500Ω | ±20% | 1/2W | |
| R282 | RMF-BJ180QFK | FXD | 180Ω | ±1% | 1/4W | |
| R283 | DSP-000017 | THERMISTOR | (SPECIAL PART) | | | |
| R284 | RMF-BJ680QFK | FXD | 680Ω | ±1% | 1/4W | |
| R285 | RMF-BJ22QFK | FXD | 22Ω | ±1% | 1/4W | |
| R286 | RMF-BJ33QFK | FXD | 33Ω | ±1% | 1/4W | |
| R287 | RMF-BJ27KFK | FXD | 27kΩ | ±1% | 1/4W | |
| R288 | RMF-BJ330QFK | FXD | 330Ω | ±1% | 1/4W | |
| R289 | RMF-BJ56QFK | FXD | 56Ω | ±1% | 1/4W | |
| R290 | RCB-AG62 | FXD | 62Ω | ±5% | 1/6W | |
| R291 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R292 | RMF-BJ220QFK | FXD | 220Ω | ±1% | 1/4W | |
| R293 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |
| R295 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R296 -297 | RMF-BJ4R7KFK | FXD | 4.7kΩ | ±1% | 1/4W | |
| R298 | RMF-BJ2R2KFK | FXD | 2.2kΩ | ±1% | 1/4W | |
| R299 | RMF-BJ3R3KFK | FXD | 3.3kΩ | ±1% | 1/4W | |

**R3265A/3271A**
**IF BLOCK**
**BLS-017025 (14 of 17)**

| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| R300 | REE-AT3R3K | FXD | 3300ppm/°C 3.3kΩ | ±5% | 1/6W | |
| R301 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R302 | RVR-DF500 | VAR | 500Ω | ±20% | 1/2W | |
| R303 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R304 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R305 -306 | RMF-BJ220QFK | FXD | 220Ω | ±1% | 1/4W | |
| R307 | RMF-BJ560QFK | FXD | 560Ω | ±1% | 1/4W | |
| R308 | RMF-BJ330KFK | FXD | 330kΩ | ±1% | 1/4W | |
| R309 -310 | RAY-AL47K6 | RESISTOR ASSEMBLY | | 47kΩX6 | ±5% | |
| R311 -312 | RMF-BJ4R7KFK | FXD | 4.7kΩ | ±1% | 1/4W | |
| R313 -314 | RMF-BJ47KFK | FXD | 47kΩ | ±1% | 1/4W | |
| R315 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R316 -317 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R318 | RMF-BJ51QFK | FXD | 51Ω | ±1% | 1/4W | |
| R319 -320 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R322 | RMF-BJ270QFK | FXD | 270Ω | ±1% | 1/4W | |
| R323 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R324 | RMF-BJ750QFK | FXD | 750Ω | ±1% | 1/4W | |
| R325 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R326 | RMF-BJ8R2KFK | FXD | 8.2kΩ | ±1% | 1/4W | |
| R327 | RMF-BJ22KFK | FXD | 22kΩ | ±1% | 1/4W | |
| R328 | RMF-BJ10KFK | FXD | 10kΩ | ±1% | 1/4W | |
| R329 | RMF-BJ22KFK | FXD | 22kΩ | ±1% | 1/4W | |
| R330 | RMF-BJ560QFK | FXD | 560Ω | ±1% | 1/4W | |
| R331 -332 | RMF-BJ2R7KFK | FXD | 2.7kΩ | ±1% | 1/4W | |
| R336 | RMF-BJ470QFK | FXD | 470Ω | ±1% | 1/4W | |
| R337 | RMF-BJ3R9KFK | FXD | 3.9kΩ | ±1% | 1/4W | |
| R338 | RVR-DF20 | VAR | 20Ω | ±20% | 1/2W | |
| R339 | RMF-BJ2R7KFK | FXD | 2.7kΩ | ±1% | 1/4W | |
| R340 | RMF-BJ180QFK | FXD | 180Ω | ±1% | 1/4W | |
| R341 | RMF-BJ15KFK | FXD | 15kΩ | ±1% | 1/4W | |
| R342 | RMF-BJ330QFK | FXD | 330Ω | ±1% | 1/4W | |
| R343 | RMF-BJ270QFK | FXD | 270Ω | ±1% | 1/4W | |
| R344 | RMF-BJ390QFK | FXD | 390Ω | ±1% | 1/4W | |
| R345 | RMF-BJ3R9KFK | FXD | 3.9kΩ | ±1% | 1/4W | |
| R346 -347 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R348 | RMF-BJ680QFK | FXD | 680Ω | ±1% | 1/4W | |
| R349 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R350 | RMF-BJ56QFK | FXD | 56Ω | ±1% | 1/4W | |
| R351 | RMF-BJ270QFK | FXD | 270Ω | ±1% | 1/4W | |

**R3265A/3271A**
**IF BLOCK**
**BLS-017025 (15 of 17)**

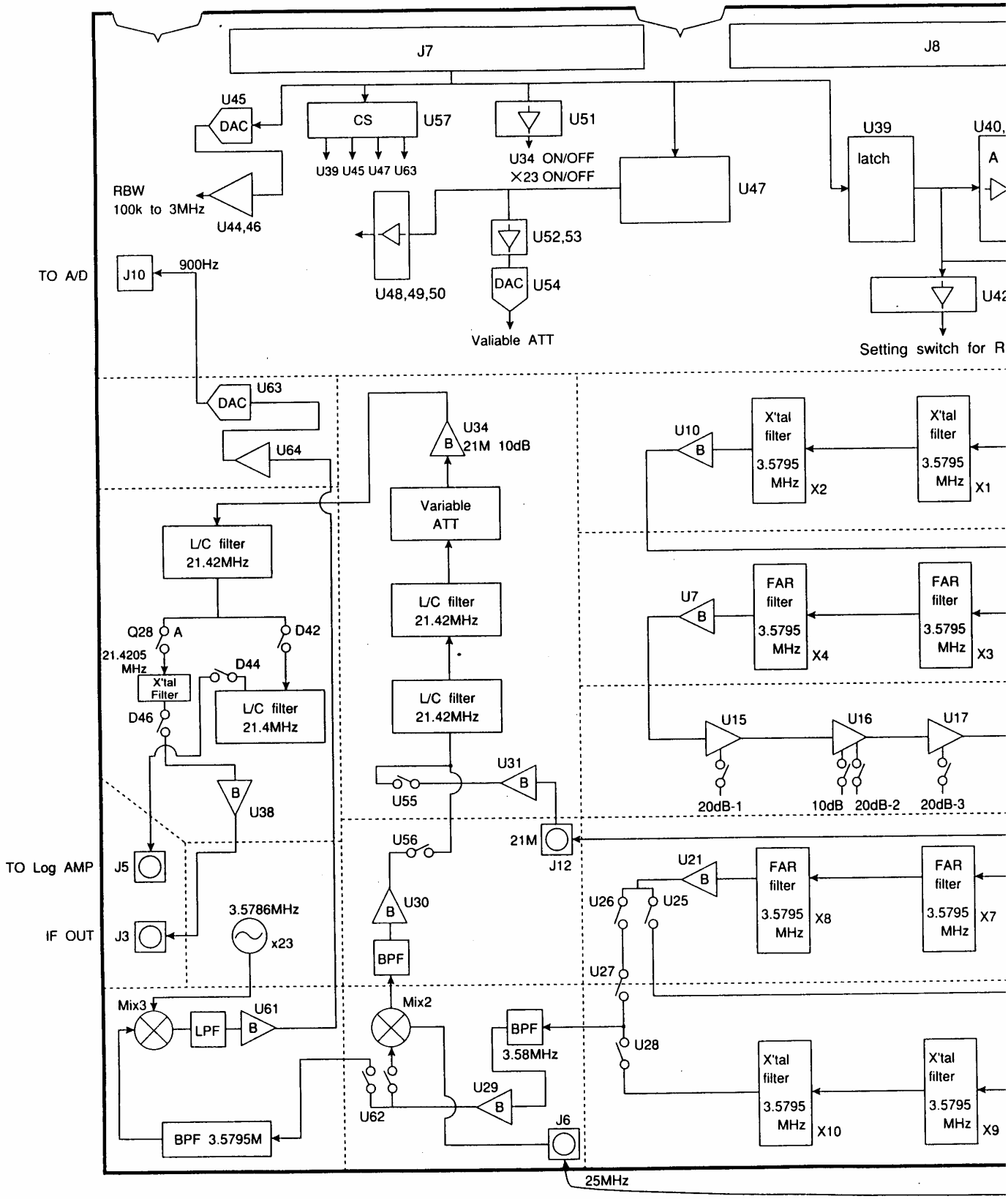
| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| R352 | RMF-BJ220QFK | FXD | 220Ω | ±1% | 1/4W | |
| R354 | RMF-BJ270QFK | FXD | 270Ω | ±1% | 1/4W | |
| R356 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R358 -359 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R361 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R401 -402 | RMF-BJ15QFK | FXD | 15Ω | ±1% | 1/4W | |
| R403 | RMF-BJ5R6KFK | FXD | 5.6kΩ | ±1% | 1/4W | |
| R404 | RMF-BJ3R9KFK | FXD | 3.9kΩ | ±1% | 1/4W | |
| R405 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R406 | RMF-BJ2R2KFK | FXD | 2.2kΩ | ±1% | 1/4W | |
| R407 | RMF-BJ10KFK | FXD | 10kΩ | ±1% | 1/4W | |
| R408 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R409 | RVR-DF1K | VAR | 1kΩ | ±20% | 1/2W | |
| R410 | RMF-BJ3R3KFK | FXD | 3.3kΩ | ±1% | 1/4W | |
| R421 | RMF-BJ220QFK | FXD | 220Ω | ±1% | 1/4W | |
| R426 | RMF-BJ56QFK | FXD | 56Ω | ±1% | 1/4W | |
| R427 | DSP-000017 | THERMISTOR | (SPECIAL PART) | | | |
| R431 | RMF-BJ39QFK | FXD | 39Ω | ±1% | 1/4W | |
| R441 | RMF-BJ100QFK | FXD | 100Ω | ±1% | 1/4W | |
| R451 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R452 | RMF-BJ3R9KFK | FXD | 3.9kΩ | ±1% | 1/4W | |
| R453 | RCP-AN680 | FXD CHIP | 680Ω | ±1% | 1/10W | |
| R454 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| R455 | RMF-BJ2R2KFK | FXD | 2.2kΩ | ±1% | 1/4W | |
| R461 | RMF-BJ51QFK | FXD | 51Ω | ±1% | 1/4W | |
| R462 | RMF-BJ1KFK | FXD | 1kΩ | ±1% | 1/4W | |
| TP1 -2 | JTE-AH001JX01 | CHECK PIN | | | | |
| TP4 -19 | JTE-AH001JX01 | CHECK PIN | | | | |
| TP31 -34 | JTE-AH001JX01 | CHECK PIN | | | | |
| TP41 -42 | JTE-AH001JX01 | CHECK PIN | | | | |
| U1 | SHB-001543 | DIODE SWITCH | | | | |
| U2 | SHB-001544 | DIODE SWITCH | | | | |
| U3 | SIA-TL072S | OP AMP | DUAL | LOW NOISE | | |
| U4 -5 | SHB-001655 | VIDEO AMP | | | | |
| U6 -7 | SHB-001658 | VIDEO AMP | | | | |
| U8 | SHB-001655 | VIDEO AMP | | | | |
| U9 -10 | SHB-001658 | VIDEO AMP | | | | |
| U11 | SHB-001544 | DIODE SWITCH | | | | |
| U12 -13 | SHB-001543 | DIODE SWITCH | | | | |
| U14 | SHB-001544 | DIODE SWITCH | | | | |

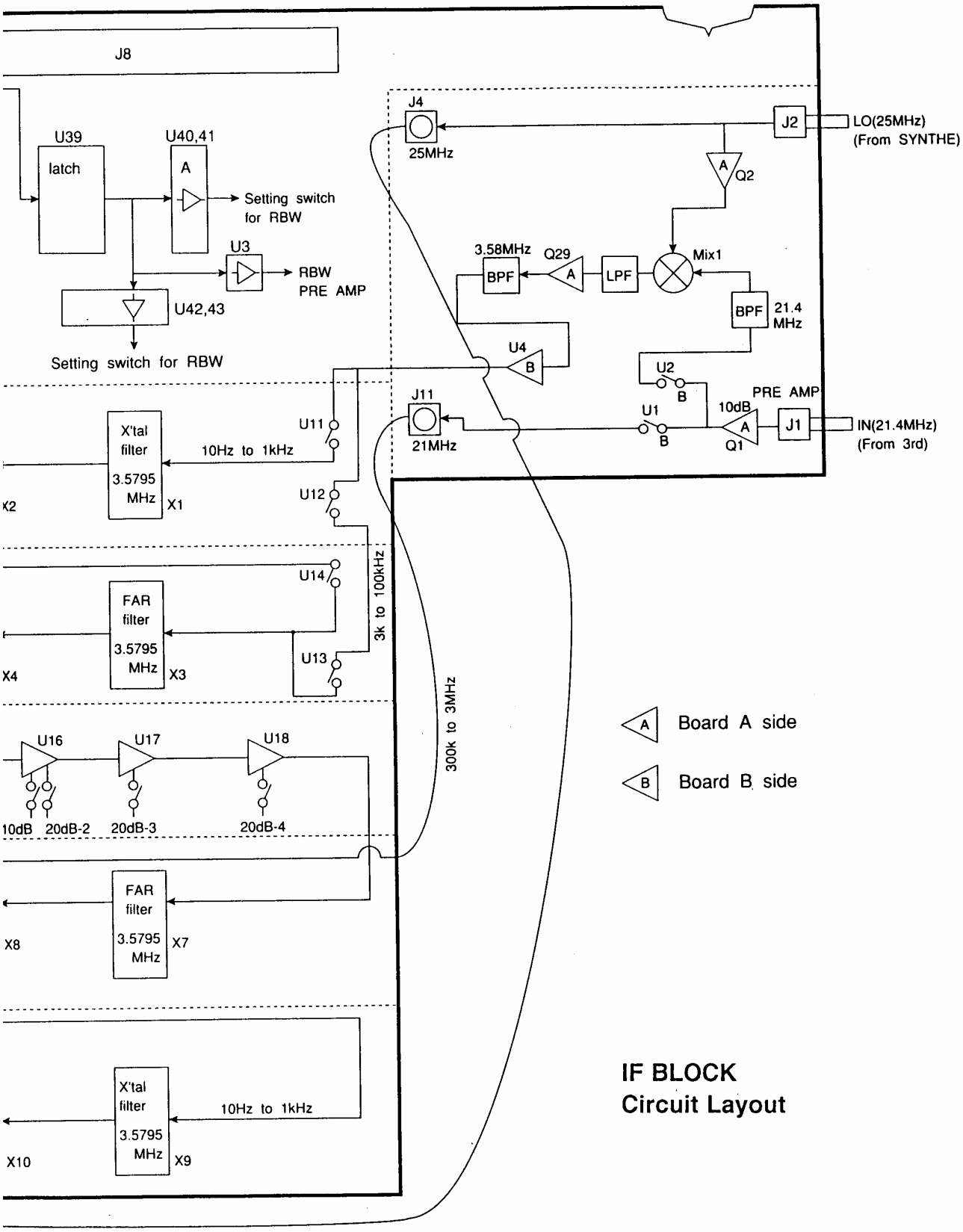
**R3265A/3271A**
**IF BLOCK**
**BLS-017025 (16 of 17)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| U15 -19 | SHB-001655 | VIDEO AMP | |
| U20 -21 | SHB-001658 | VIDEO AMP | |
| U22 | SHB-001655 | VIDEO AMP | |
| U23 -24 | SHB-001658 | VIDEO AMP | |
| U25 | SHB-001544 | DIODE SWITCH | |
| U26 -27 | SHB-001543 | DIODE SWITCH | |
| U28 | SHB-001544 | DIODE SWITCH | |
| U29 | SHB-001655 | VIDEO AMP | |
| U30 -31 | SHB-003001 | VIDEO AMP | |
| U32 -33 | SHB-003002 | BUFFER AMP | |
| U34 | SHB-003001 | VIDEO AMP | |
| U35 | SHB-003002 | BUFFER AMP | |
| U36 | SHB-003066-1 | BUFFER AMP | |
| U38 | SHB-003001 | VIDEO AMP | |
| U39 | SIM-CXD1095 | I/O EXPANDER | |
| U40 -41 | SIT-7407S | HEX BUFFER (OPEN COLLECTOR HIGH VOLTAGE) | |
| U42 -44 | SIA-TL072S | OP AMP DUAL LOW NOISE | |
| U45 | SIA-DA7528 | DUAL 8-BIT BUFFERED MULTIPLYING D/A CONVERTER | |
| U46 | SIA-TL072S | OP AMP DUAL LOW NOISE | |
| U47 | SIM-CXD1095 | I/O EXPANDER | |
| U48 -50 | SIA-TL072S | OP AMP DUAL LOW NOISE | |
| U51 | SIT-DN8650 | Low-Activ Drivers | |
| U52 | SIT-74LS374 | OCTAL D-FLIP FLOPS | |
| U53 | SIT-74LS175 | QUAD D-FLIP FLOPS | |
| U54 | SIA-6012 | 12 BIT D/A CONVERTER | |
| U55 | SHB-001543 | DIODE SWITCH | |
| U56 | SHB-001544 | DIODE SWITCH | |
| U57 | SIM-74HC138 | 3-LINE TO 8-LINE DECODER | |
| U58 | SHB-001544 | DIODE SWITCH | |
| U61 | SIA-5532A | OP AMP DUAL LOW NOISE | |
| U62 | SHB-001543 | DIODE SWITCH | |
| U63 | SIA-DA7542 | 8-BIT D/A CONVERTER | |
| U64 | SIA-TL072S | OP AMP DUAL LOW NOISE | |
| X1 -2 | DXD-001934-1 | RESONATOR | |
| X3 -4 | DXD-001931-1 | RESONATOR | |
| X5 -6 | DXD-002158-1 | CRYSTAL | |
| X7 -8 | DXD-001931-1 | RESONATOR | |
| X9 -10 | DXD-002158-1 | CRYSTAL | |
| X11 -12 | DXE-001897 | RESONATOR | |
| X18 | DXD-002102-1 | CRYSTAL | |

**R3265A/3271A**
**IF BLOCK**
**BLS-017025 (17 of 17)**

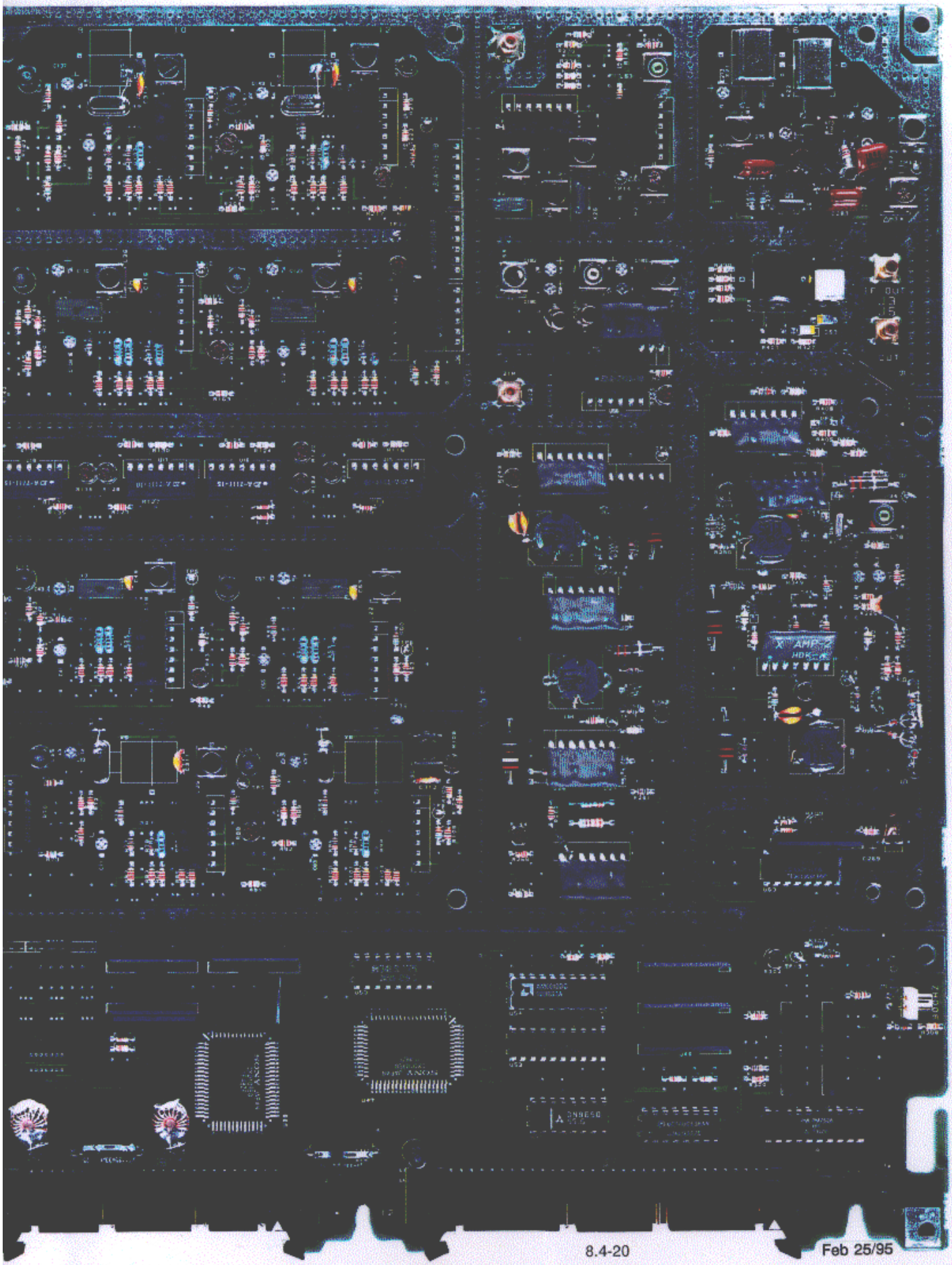
| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| X21 -22 | DXD-001059 | CRYSTAL | |
| X23 | DXD-001863-1 | CRYSTAL | |
| X25 -26 | DXE-001897 | RESONATOR | |
| X31 -32 | DXD-001934-1 | RESONATOR | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

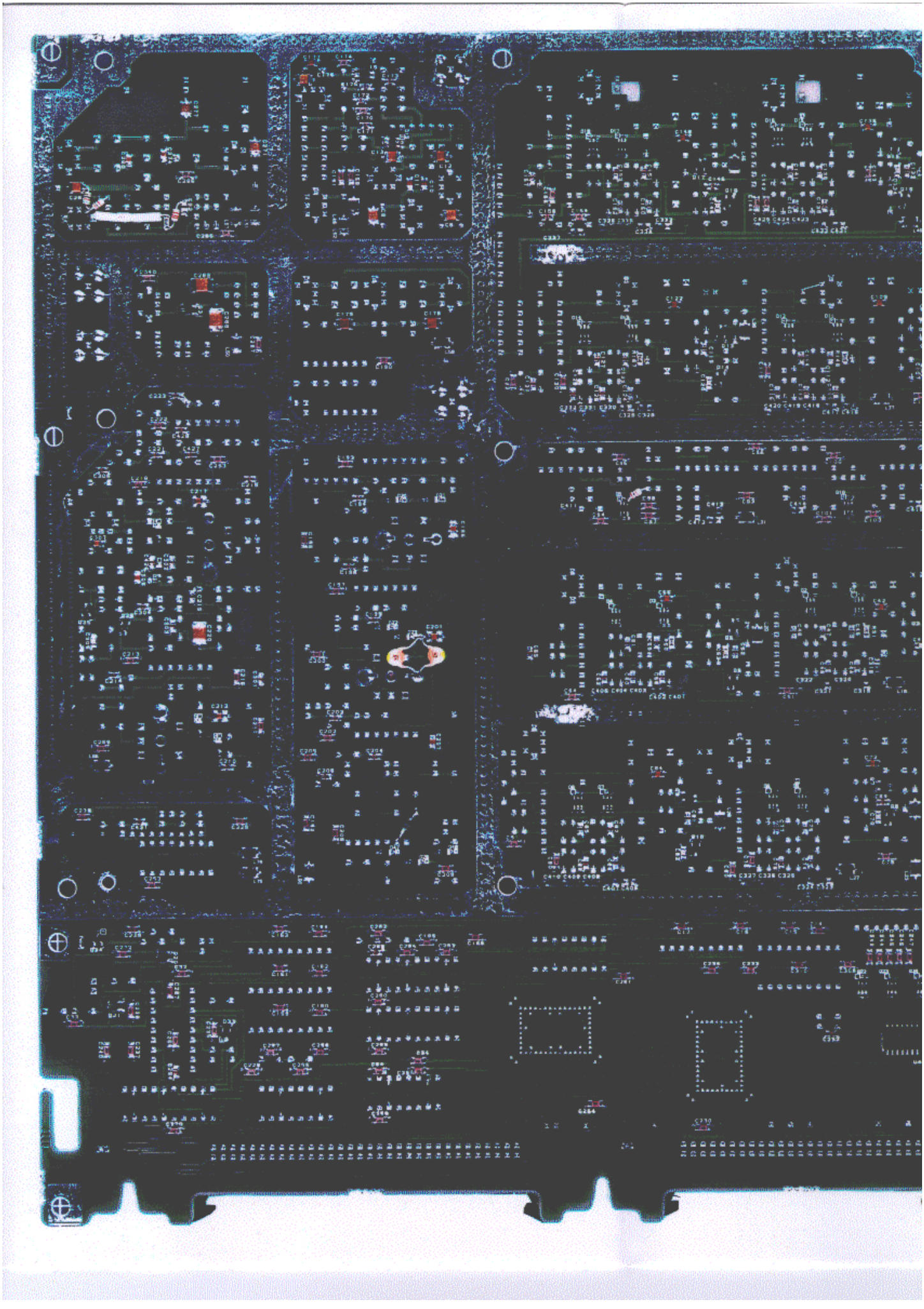

J7
J8
U45
DAC
CS
U57
U51
U39 U45 U47 U63
U34 ON/OFF
×23 ON/OFF
U47
U39
latch
U40,
RBW
100k to 3MHz
U44,46
U48,49,50
U52,53
DAC
U54
Valiable ATT
TO A/D
J10
900Hz
U42
Setting switch for R
U63
DAC
U64
U34
B
21M 10dB
Variable
ATT
L/C filter
21.42MHz
L/C filter
21.42MHz
L/C filter
21.42MHz
U10
B
X'tal
filter
3.5795
MHz
X2
X'tal
filter
3.5795
MHz
X1
Q28
A
D42
21.4205
MHz
X'tal
Filter
D44
D46
L/C filter
21.4MHz
U7
B
FAR
filter
3.5795
MHz
X4
FAR
filter
3.5795
MHz
X3
U15
U16
U17
20dB-1
10dB
20dB-2
20dB-3
B
U38
U55
U31
B
U56
21M
J12
TO Log AMP
J5
U30
B
U21
B
FAR
filter
3.5795
MHz
X8
FAR
filter
3.5795
MHz
X7
U26
U25
IF OUT
J3
3.5786MHz
x23
BPF
U27
Mix3
LPF
U61
B
Mix2
BPF
3.58MHz
U28
U62
U29
B
X'tal
filter
3.5795
MHz
X10
X'tal
filter
3.5795
MHz
X9
BPF 3.5795M
J6
25MHz

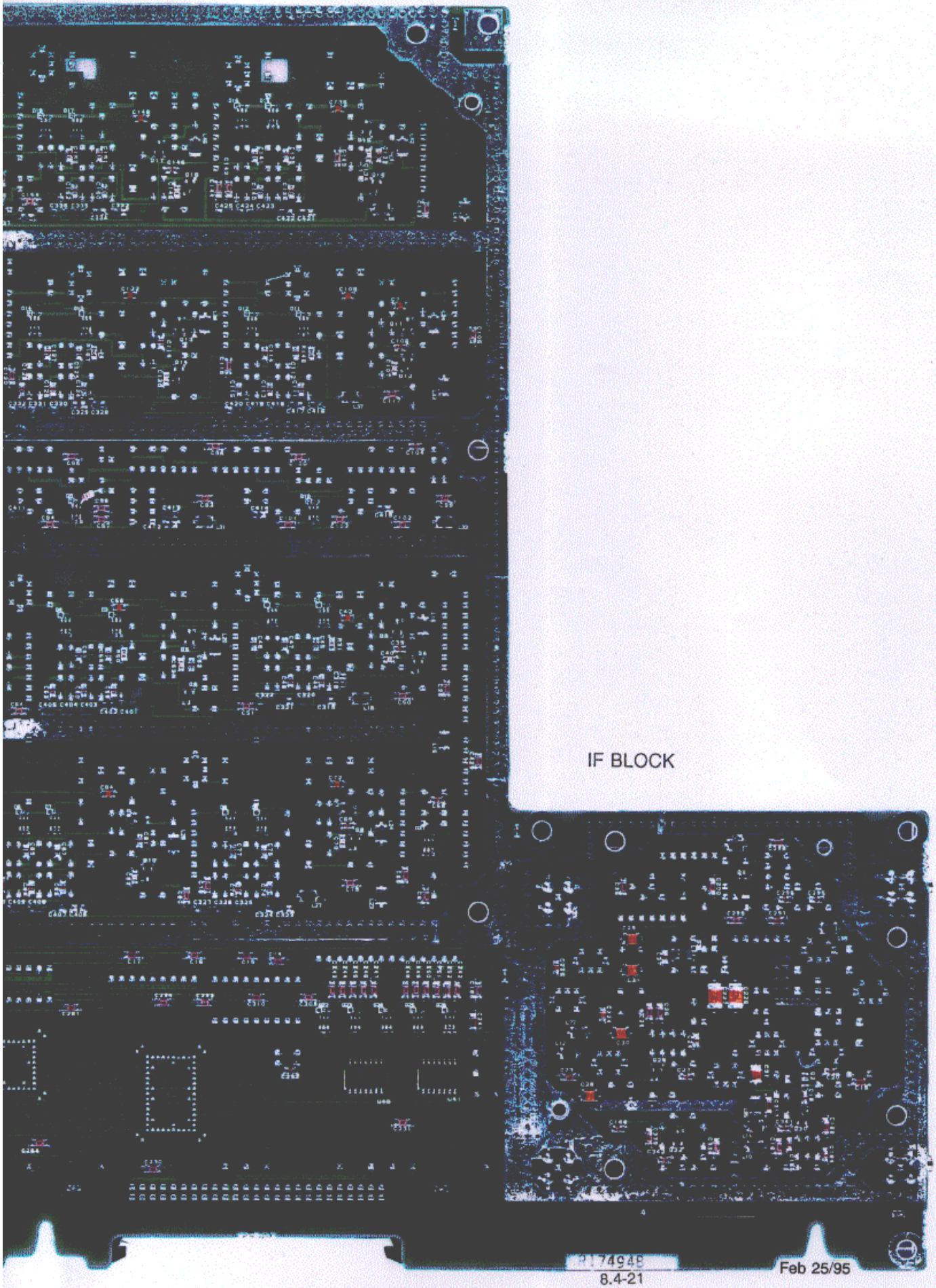



## IF BLOCK
## Circuit Layout

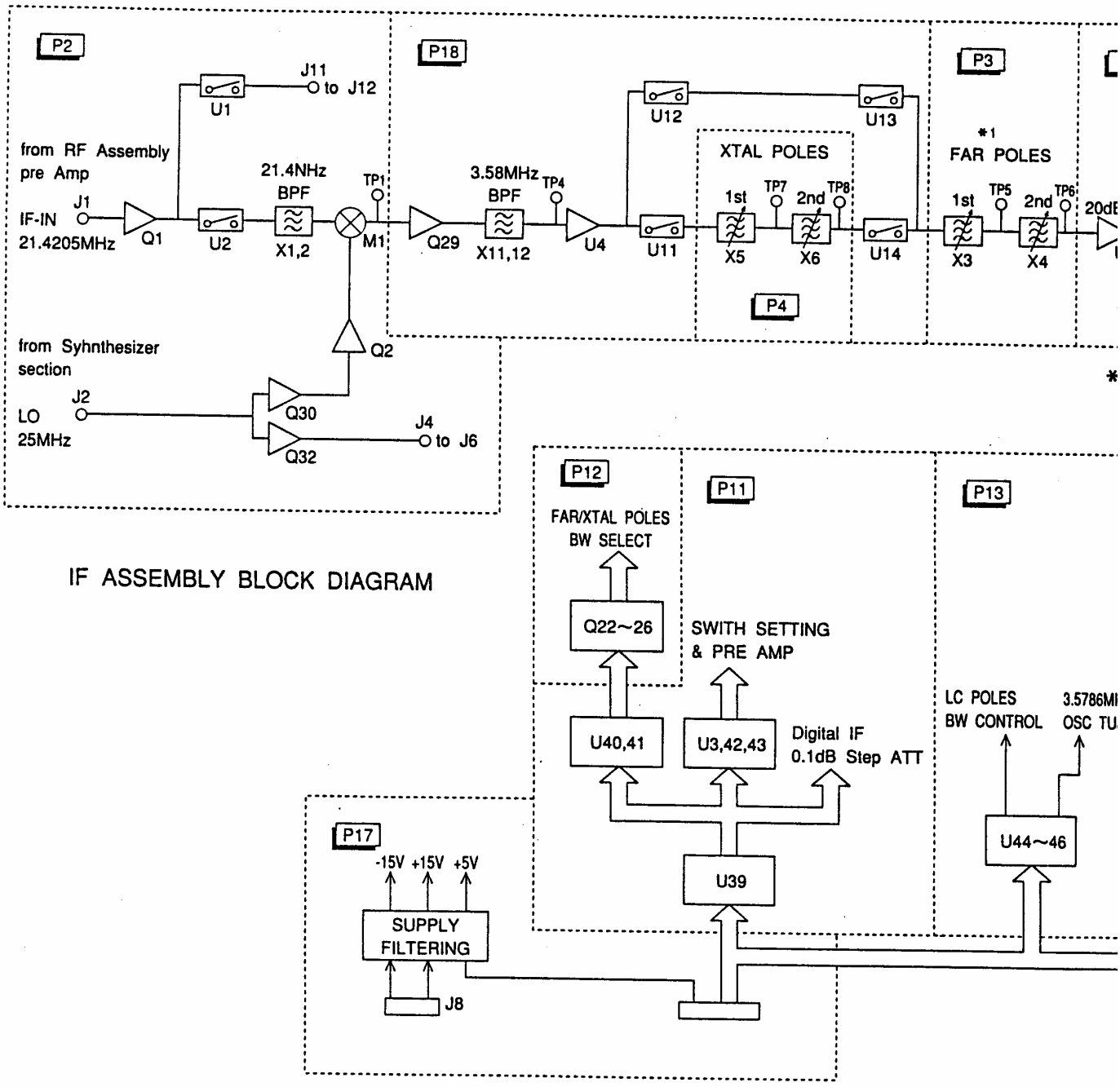
IF BLOCK



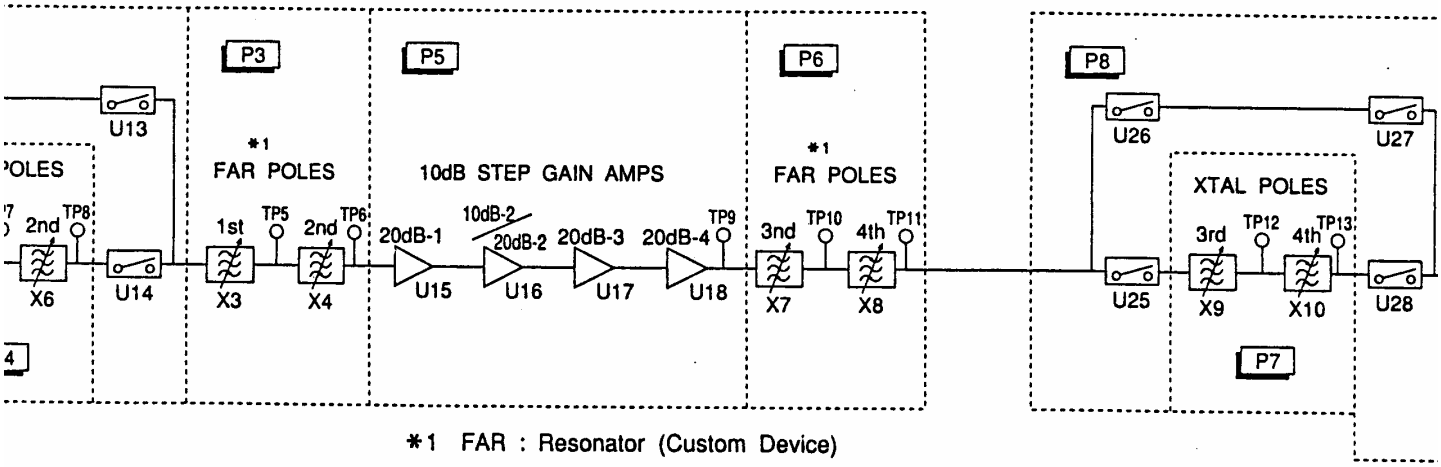




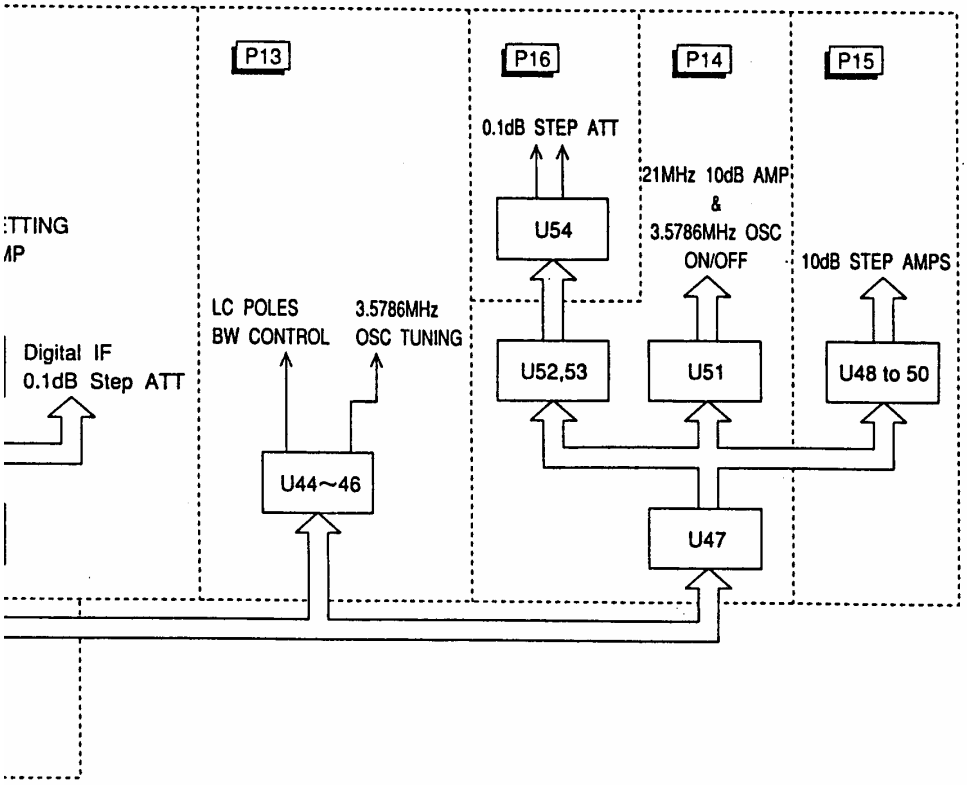
IF BLOCK

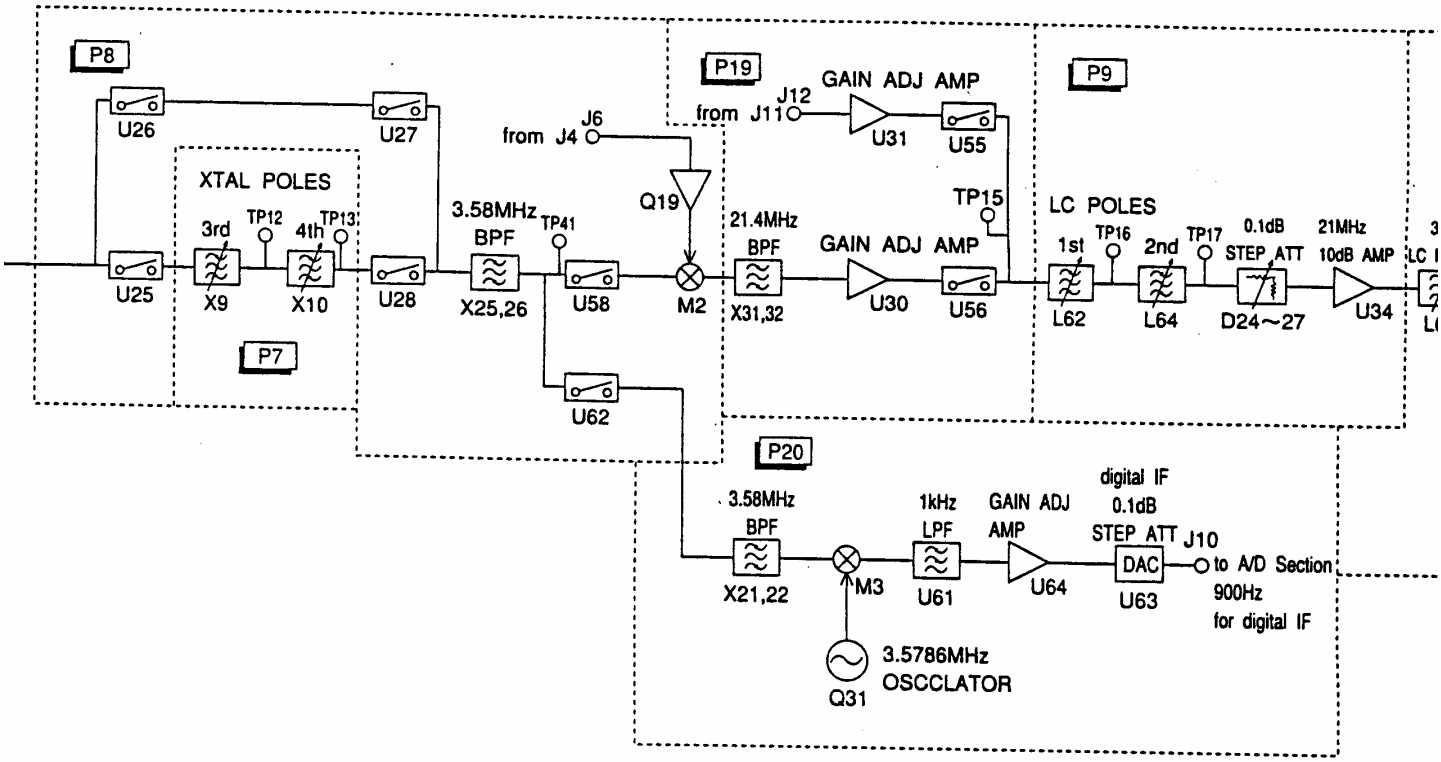


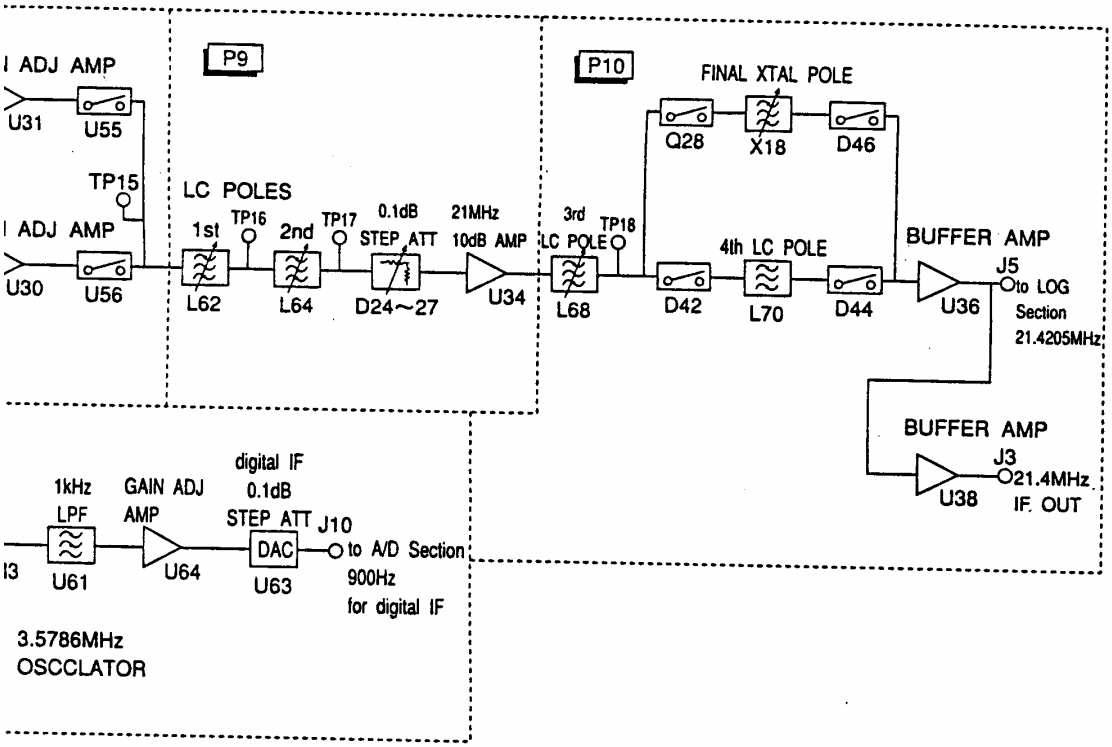

IF ASSEMBLY BLOCK DIAGRAM




*1 FAR : Resonator (Custom Device)




P8
U26
U27
XTAL POLES
3rd
TP12
4th
TP13
U25
X9
X10
U28
P7
3.58MHz
BPF
TP41
X25,26
U58
U62
from J4
J6
Q19
M2
P19
from J11
J12
GAIN ADJ AMP
U31
U55
21.4MHz
BPF
X31,32
GAIN ADJ AMP
U30
U56
TP15
P9
LC POLES
1st
TP16
2nd
TP17
0.1dB
STEP ATT
21MHz
10dB AMP
L62
L64
D24~27
U34
P20
3.58MHz
BPF
X21,22
M3
1kHz
LPF
U61
GAIN ADJ
AMP
U64
digital IF
0.1dB
STEP ATT
J10
DAC
U63
to A/D Section
900Hz
for digital IF
3.5786MHz
OSCCLATOR
Q31


I ADJ AMP
U31
U55
TP15
I ADJ AMP
U30
U56
P9
LC POLES
1st
TP16
2nd
TP17
0.1dB
STEP ATT
21MHz
10dB AMP
L62
L64
D24~27
U34
P10
3rd
LC POLE
TP18
L68
FINAL XTAL POLE
Q28
X18
D46
4th LC POLE
D42
L70
D44
BUFFER AMP
U36
J5
to LOG
Section
21.4205MHz
BUFFER AMP
J3
21.4MHz
IF OUT
U38
digital IF
0.1dB
STEP ATT
J10
to A/D Section
900Hz
for digital IF
1kHz
LPF
GAIN ADJ
AMP
U61
U64
DAC
U63
3.5786MHz
OSCCLATOR

10 12 14 16 18 20 22 24 26 28 30 32 34 36 38

# ■ DIAGRAMS ILLUSTRATION

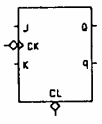
## SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

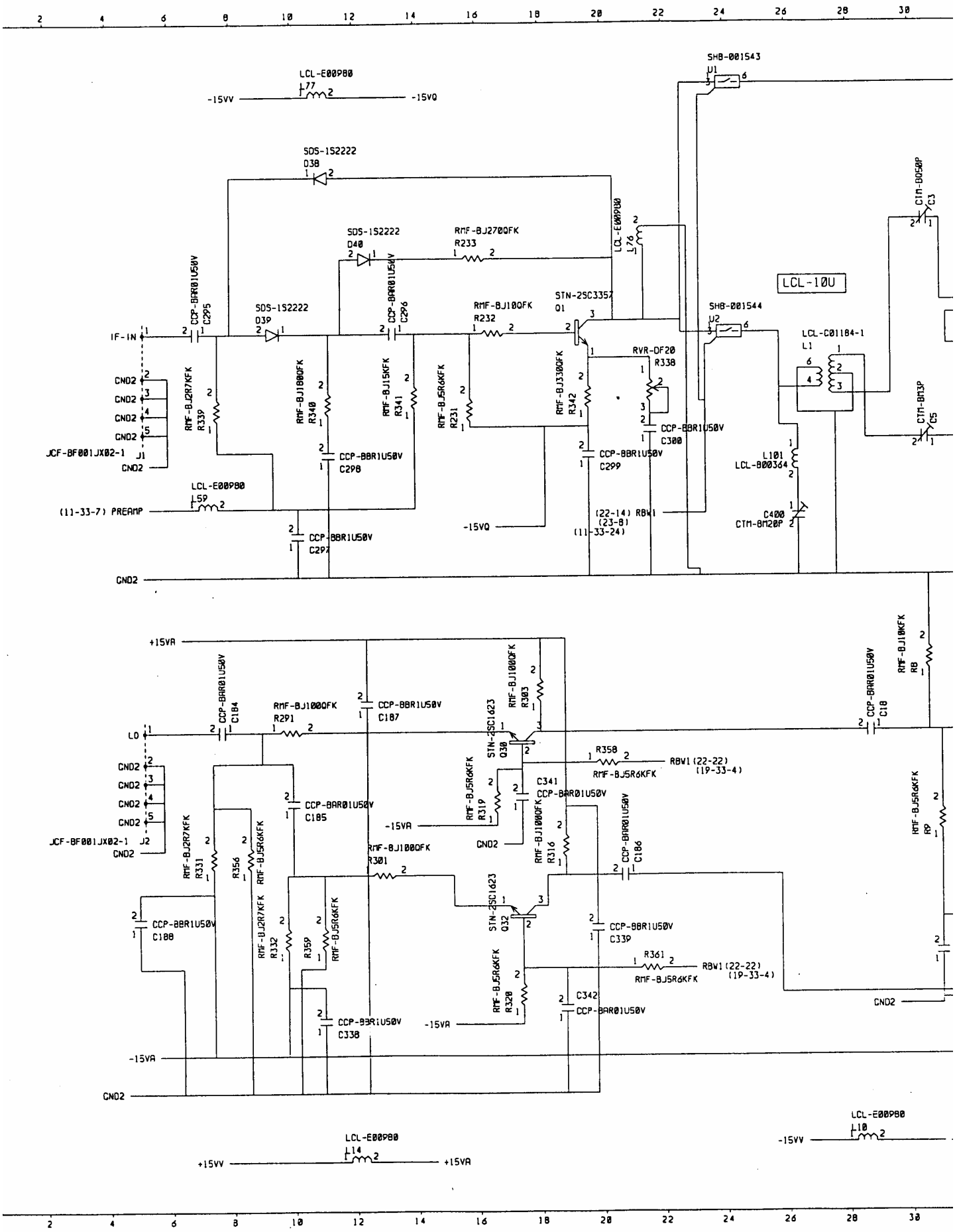
10 12 14 16 18 20 22 24 26 28 30 32 34 36 38

TORS

NEGATIVE LOGIC ARE
SMALL LETTER)




| | |
|---|---|
| BLS-017025 | 1 |
| TITLE IF FILTER | 8.4-23 |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SHB-001543
SHB-001544
LCL-E00P80
SDS-1S2222
RMF-BJ270QFK
RMF-BJ100FK
STN-2SC3357
RVR-DF20
LCL-C01184-1
CTM-BM3P
CTM-BD50P
IF-IN
JCF-BF001JX02-1
(11-33-7) PREAMP
-15VQ
(22-14) RBW1
(23-8)
(11-33-24)
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-15VA
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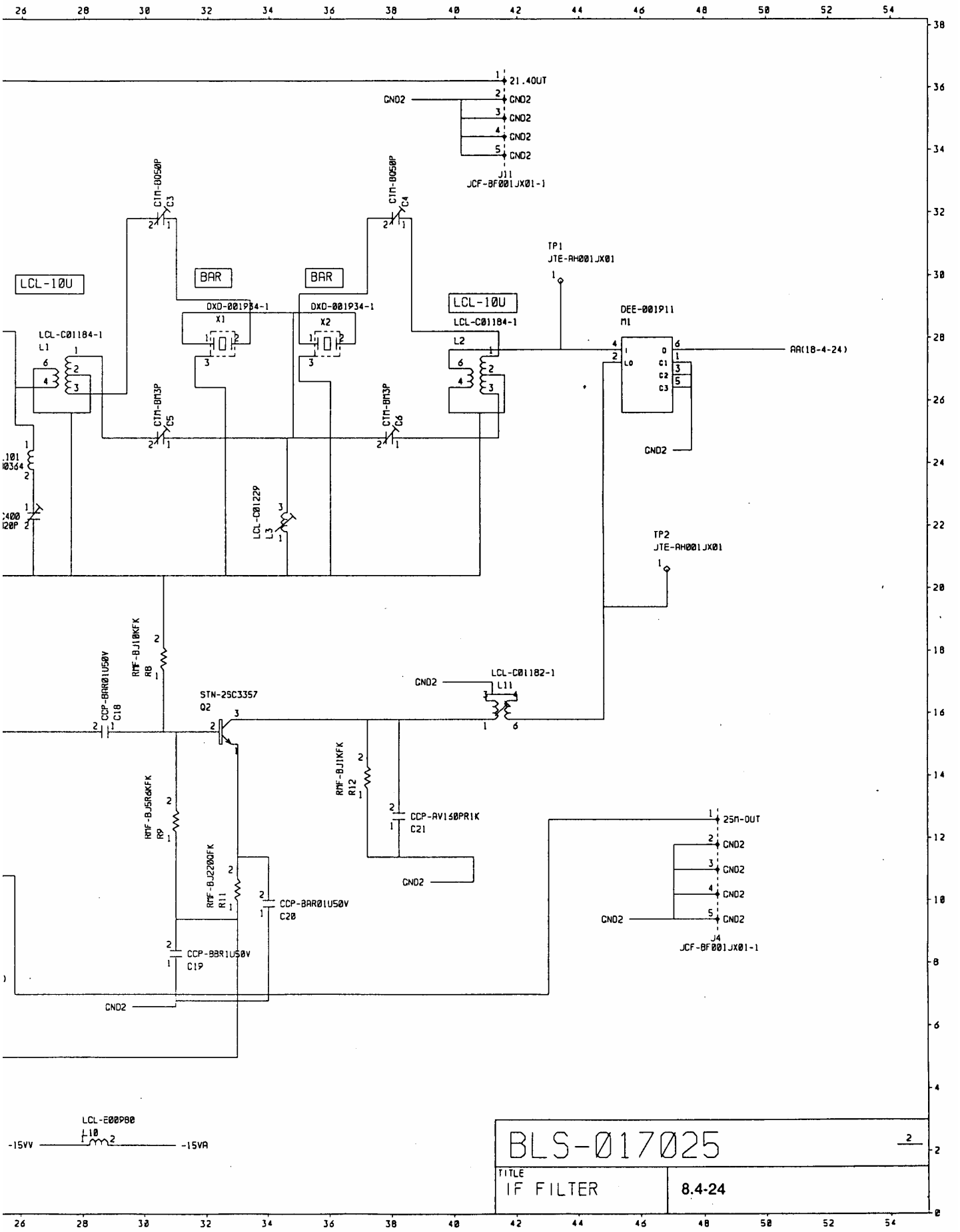
-15VV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CTM-B050P
C4
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BAR
BAR
DXO-001934-1
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DXO-001934-1
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AA(18-4-24)
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C6
LCL-C01229
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CCP-BAR01U50V
C18
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C21
RMF-BJ5R6KFK
RP
RMF-BJ220OFK
R11
CCP-BAR01U50V
C20
CCP-BBR1U50V
C19
GND2
25M-OUT
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GND2
GND2
GND2
GND2
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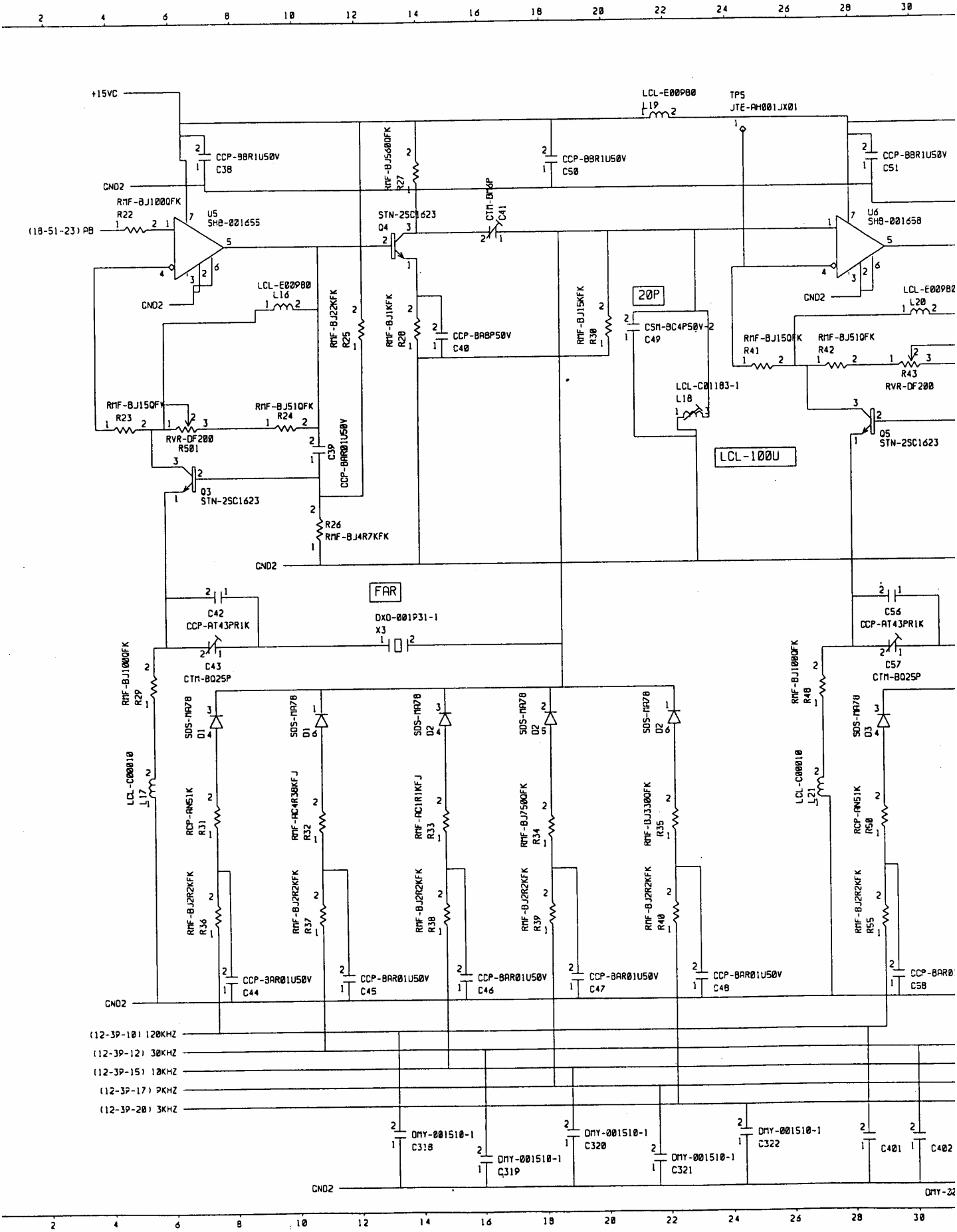
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U6 SHB-001658
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LCL-E00P80
LCL-100U
20P
FAR
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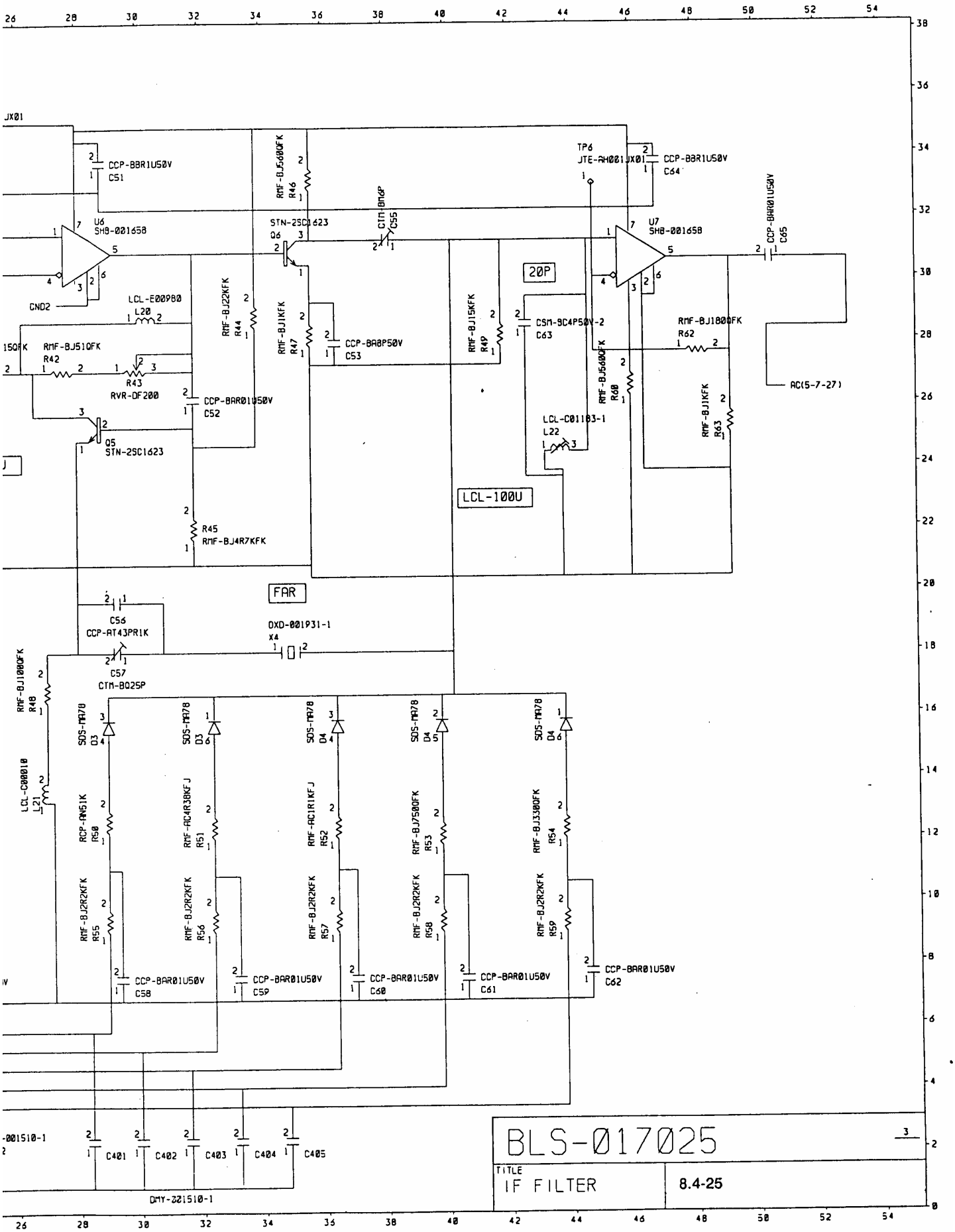
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TP6
JTE-AH001
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STN-2SC1623 Q6
U6 SHB-001658
U7 SHB-001658
CCP-BAR01U50V C65
20P
GND2
LCL-E00980 L20
RMF-BJ22KFK R44
RMF-BJ1KFK R47
CCP-BA8P50V C53
RMF-BJ15KFK R49
CSM-9C4P50V-2 C63
RMF-BJ1800FK R62
RMF-BJ560QFK R60
RMF-BJ51QFK R42
RVR-DF200 R43
CCP-BAR01U50V C52
RMF-BJ1KFK R63
AC(5-7-27)
Q5 STN-2SC1623
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LCL-100U
R45 RMF-BJ4R7KFK
FAR
C56 CCP-AT43PR1K
C57 CTM-8Q25P
OXD-001931-1 X4
RMF-BJ1000FK R48
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SDS-MA78 D3
SDS-MA78 D4
SDS-MA78 D4
SDS-MA78 D4
RCP-AN51K R50
RMF-AC4R38KFJ R51
RMF-AC1R1KFJ R52
RMF-BJ750QFK R53
RMF-BJ330QFK R54
RMF-BJ2R2KFK R55
RMF-BJ2R2KFK R56
RMF-BJ2R2KFK R57
RMF-BJ2R2KFK R58
RMF-BJ2R2KFK R59
CCP-BAR01U50V C58
CCP-BAR01U50V C59
CCP-BAR01U50V C60
CCP-BAR01U50V C61
CCP-BAR01U50V C62
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C404
C405
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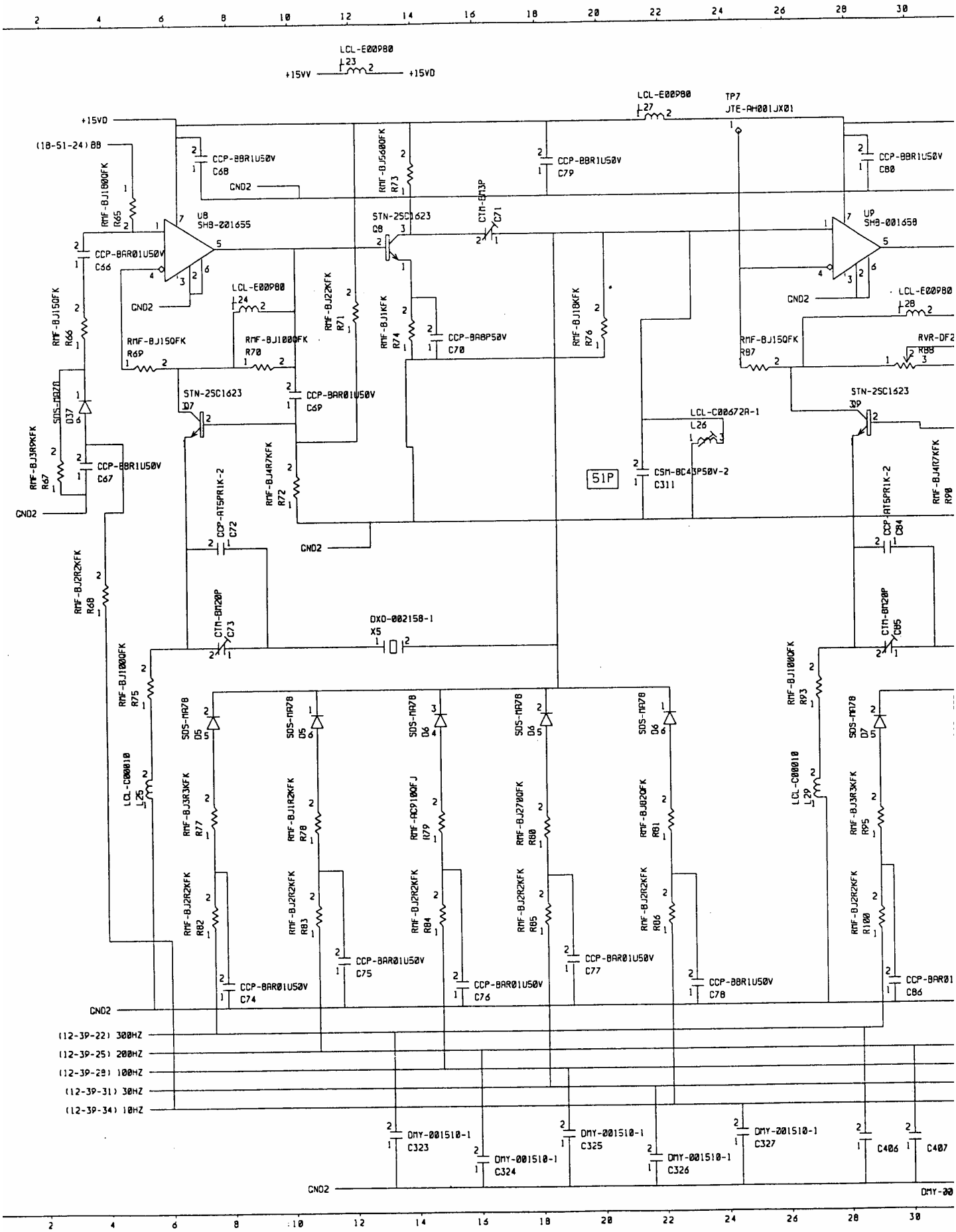
8.4-25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+15VD
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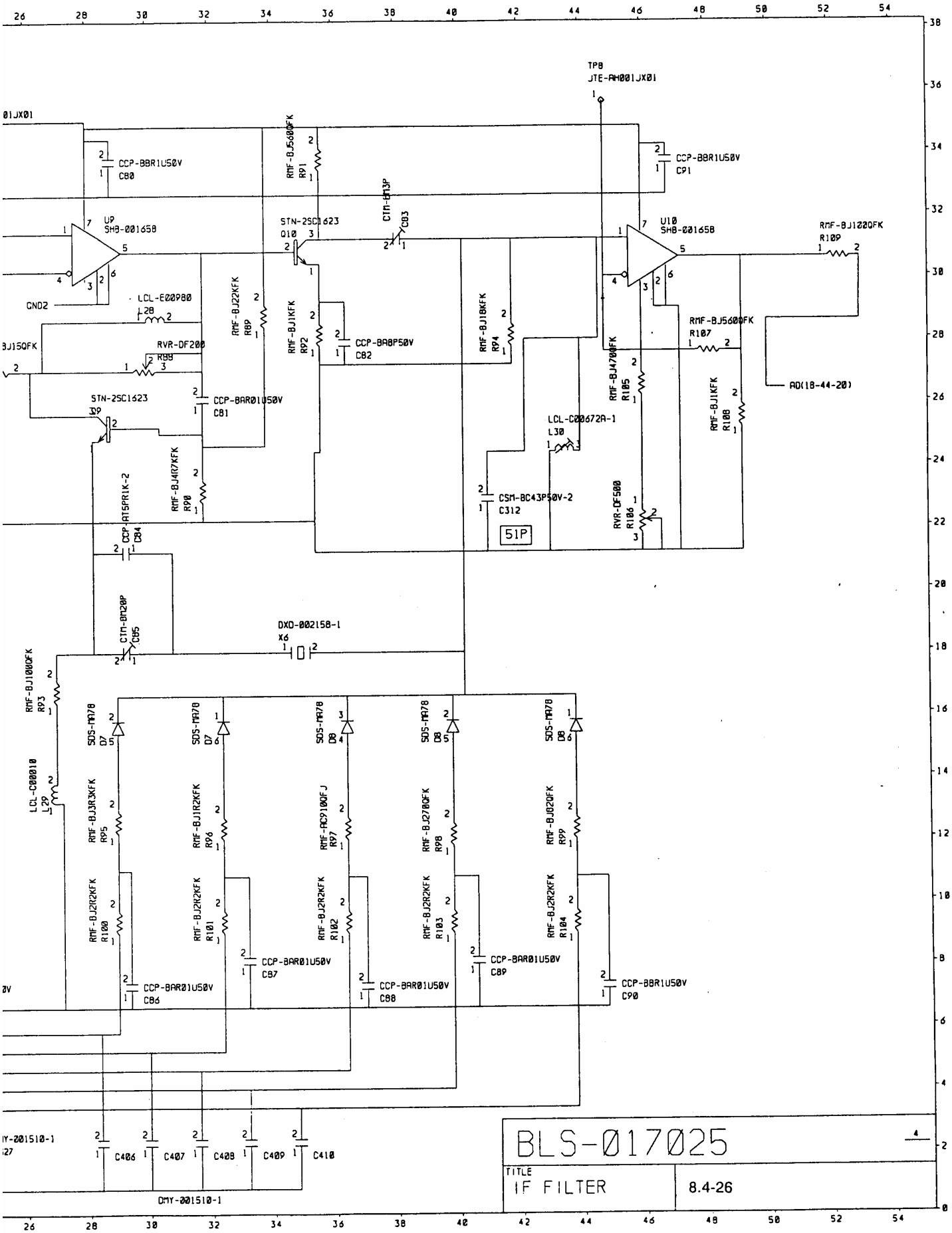
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CTH-BH3P C83
U10 SHB-001658
RMF-BJ1220FK R109
GND2
LCL-E00980 L28
RMF-BJ22KFK R89
RMF-BJ1KFK RP2
CCP-BA8P50V C82
RMF-BJ18KFK RP4
RMF-BJ560QFK R107
RMF-BJ470QFK R105
RVR-DF200 R99
CCP-BAR01U50V C81
STN-2SC1623 Q9
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AD(18-44-20)
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RMF-BJ47K7KFK R90
CSM-BC43P50V-2 C312
51P
RVR-DF500 R106
CCP-AT5PR1K-2 C84
CTH-BH20P C85
DXO-002158-1 X6
RMF-BJ1000FK RP3
SDS-MA78 D5
SDS-MA78 D7
SDS-MA78 D8
SDS-MA78 D8
SDS-MA78 D8
LCL-C00010 L29
RMF-BJ3R3KFK R95
RMF-BJ1R2KFK R96
RMF-AC9100FJ R97
RMF-BJ270QFK R98
RMF-BJ02QFK R99
RMF-BJ2R2KFK R100
RMF-BJ2R2KFK R101
RMF-BJ2R2KFK R102
RMF-BJ2R2KFK R103
RMF-BJ2R2KFK R104
CCP-BAR01U50V C86
CCP-BAR01U50V C87
CCP-BAR01U50V C88
CCP-BAR01U50V C89
CCP-BBR1U50V C90
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C407
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C409
C410
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BLS-017025
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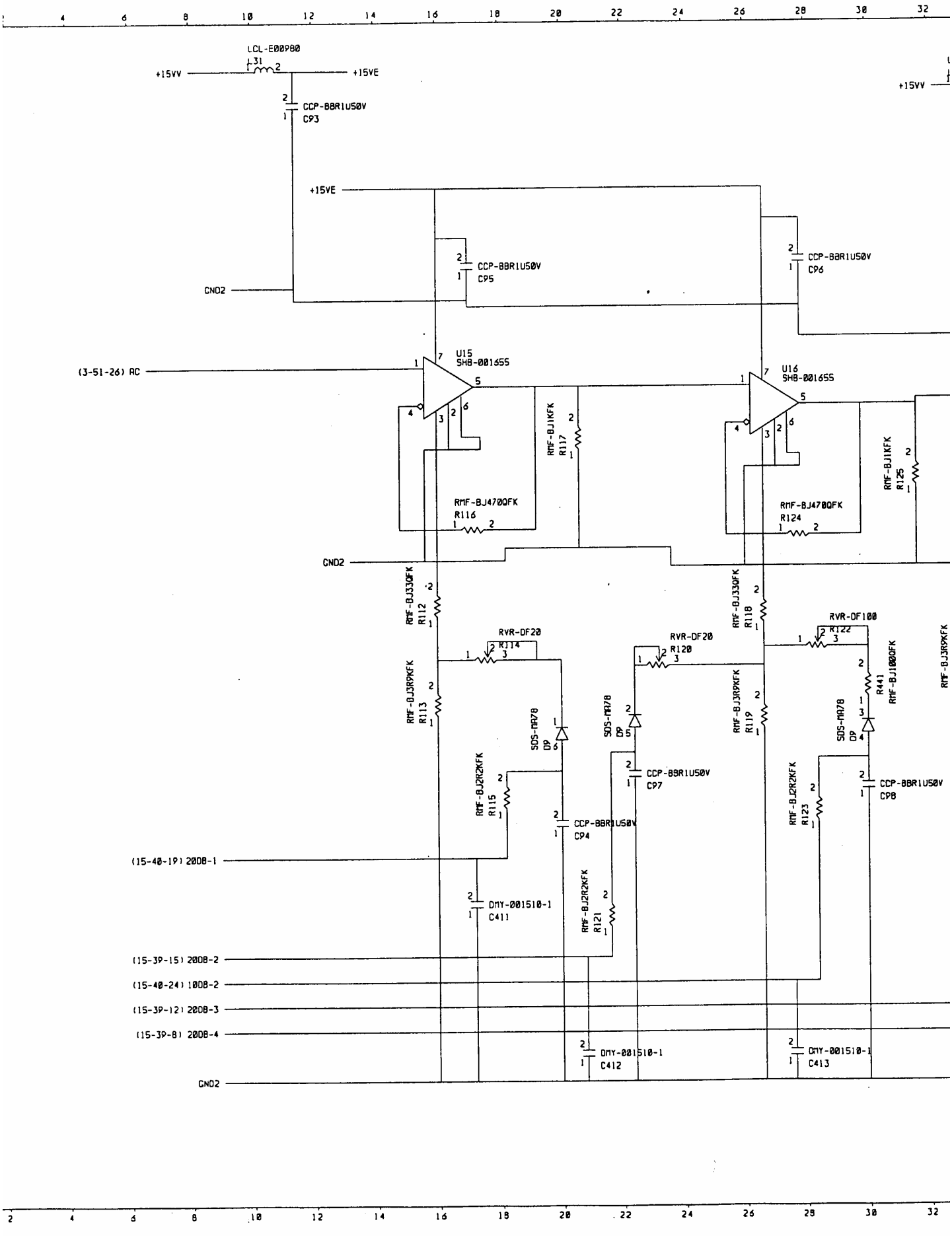
8.4-26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CP3
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CCP-B8R1U50V
CP5
CCP-B8R1U50V
CP6
GND2
(3-51-26) AC
U15
SHB-001655
U16
SHB-001655
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R117
RMF-BJ1KFK
R125
RMF-BJ470QFK
R116
RMF-BJ470QFK
R124
GND2
RMF-BJ330FK
R112
RMF-BJ330FK
R118
RVR-DF20
RJ14
RVR-DF20
R120
RVR-DF100
R122
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R113
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R119
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R441
SDS-MA78
D6
SDS-MA78
D5
SDS-MA78
D4
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R115
RMF-BJ2R2KFK
R123
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CP7
CCP-B8R1U50V
CP8
CCP-B8R1U50V
CP4
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C411
RMF-BJ2R2KFK
R121
(15-39-15) 20DB-2
(15-40-24) 10DB-2
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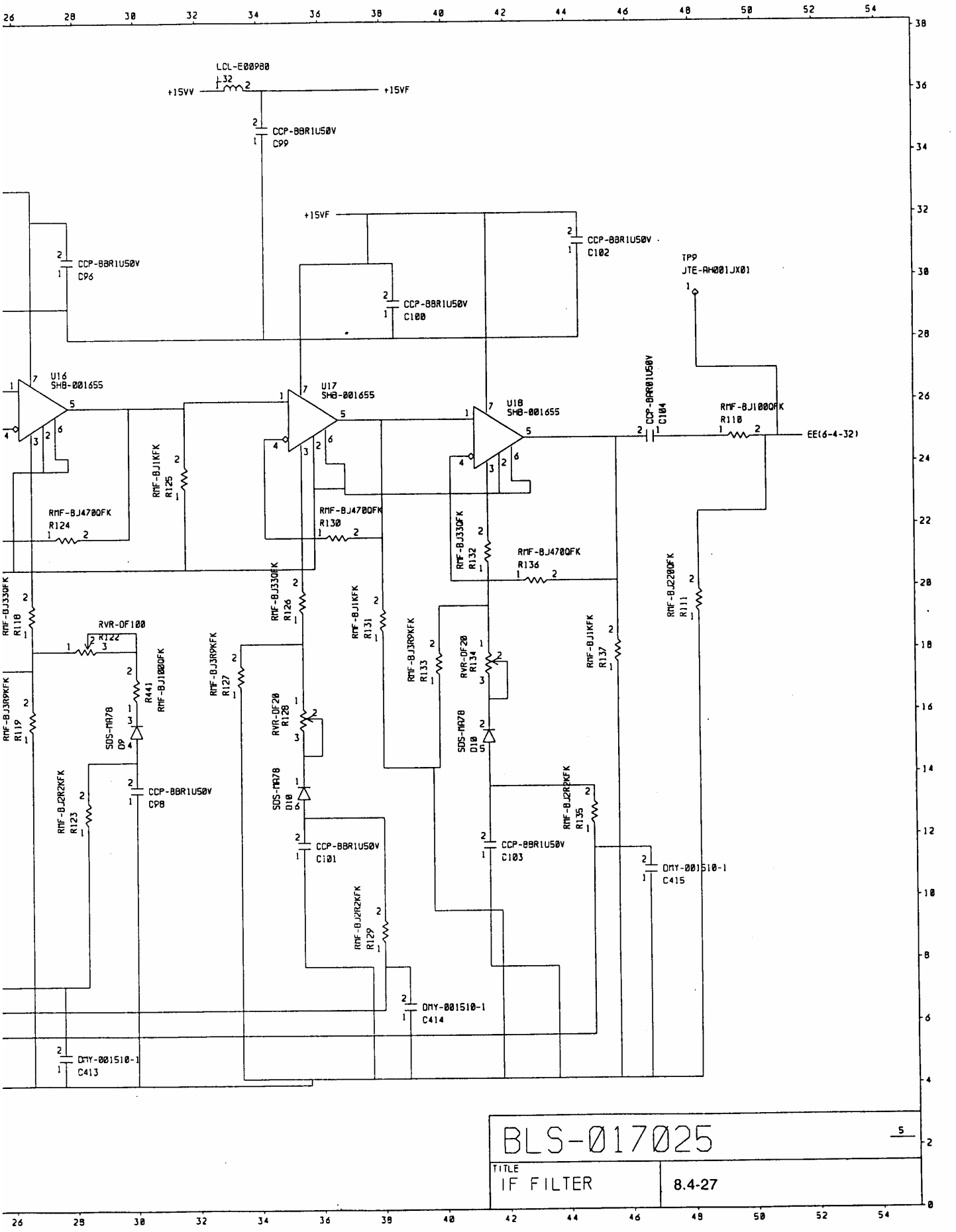
GND2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+15VF
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CCP-BBR1U50V C100
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TP9 JTE-AH001JX01
U16 SHB-001655
U17 SHB-001655
U18 SHB-001655
CCP-BBR01U50V C104
RMF-BJ100QFK R110
EE(6-4-32)
RMF-BJ1KFK R125
RMF-BJ470QFK R124
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RMF-BJ330QFK R132
RMF-BJ470QFK R136
RMF-BJ330QFK R118
RVR-QF100 R122
RMF-BJ330QFK R126
RMF-BJ1KFK R131
RMF-BJ3R9KFK R133
RVR-QF20 R134
RMF-BJ1KFK R137
RMF-BJ220QFK R111
RMF-BJ3R9KFK R119
RMF-BJ100QFK R441
SDS-MA78 D9
RMF-BJ3R9KFK R127
RVR-QF20 R128
SDS-MA78 D10
SDS-MA78 D10
RMF-BJ2R2KFK R123
CCP-BBR1U50V C98
CCP-BBR1U50V C101
CCP-BBR1U50V C103
RMF-BJ2R2KFK R135
OMY-001510-1 C415
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TITLE
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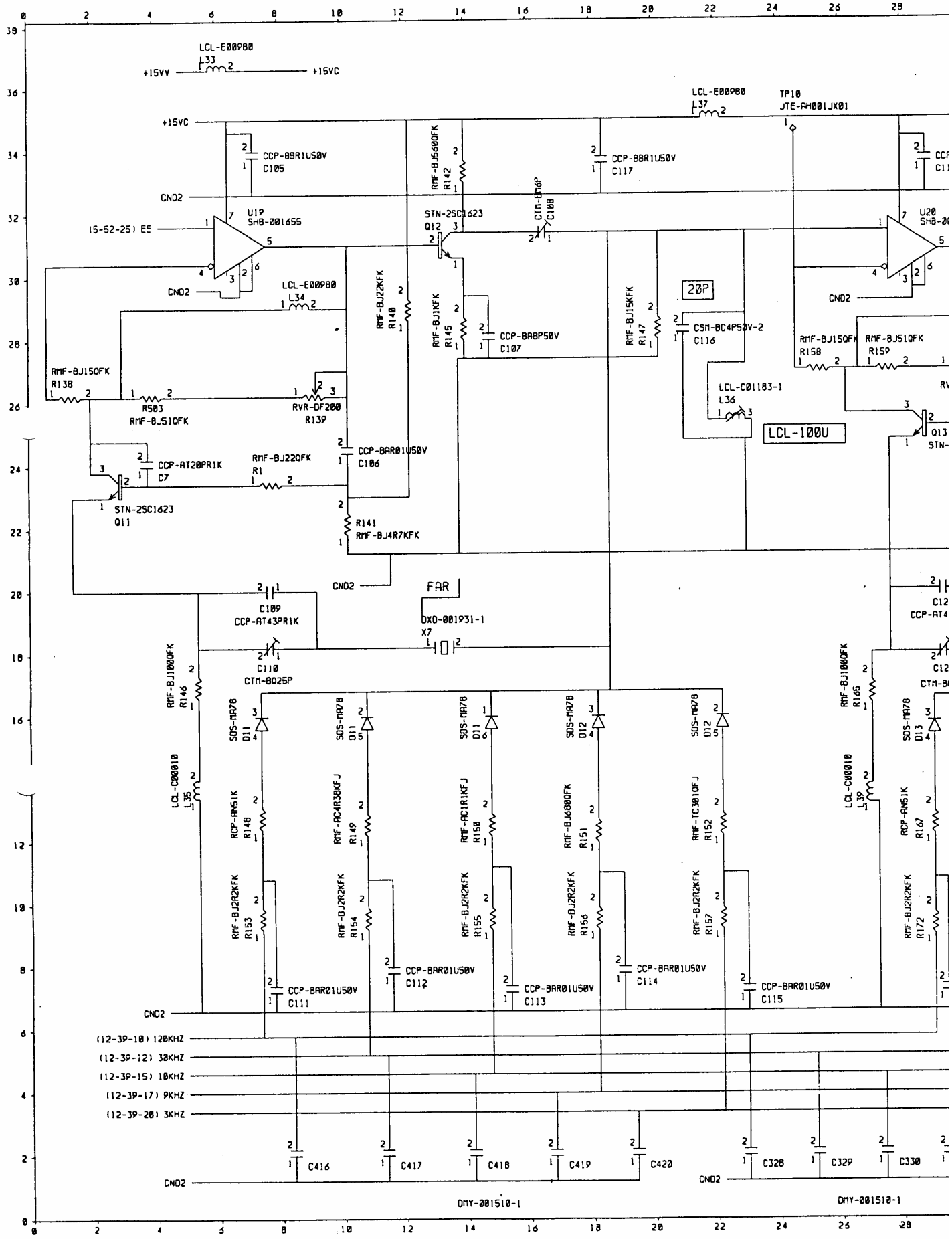
8.4-27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RMF-BJ560FK
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STN-2SC1623
Q12
CTM-B10P
C108
CCP-B8R1U50V
C117
LCL-E00980
L37
TP10
JTE-AH001JX01
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L34
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RMF-BJ1KFK
R145
CCP-BA8P50V
C107
RMF-BJ15KFK
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D11
D11
D12
D12
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C113
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C114
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D13
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R167
RMF-BJ2R2KFK
R172
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(12-39-12) 30KHZ
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(12-39-20) 3KHZ
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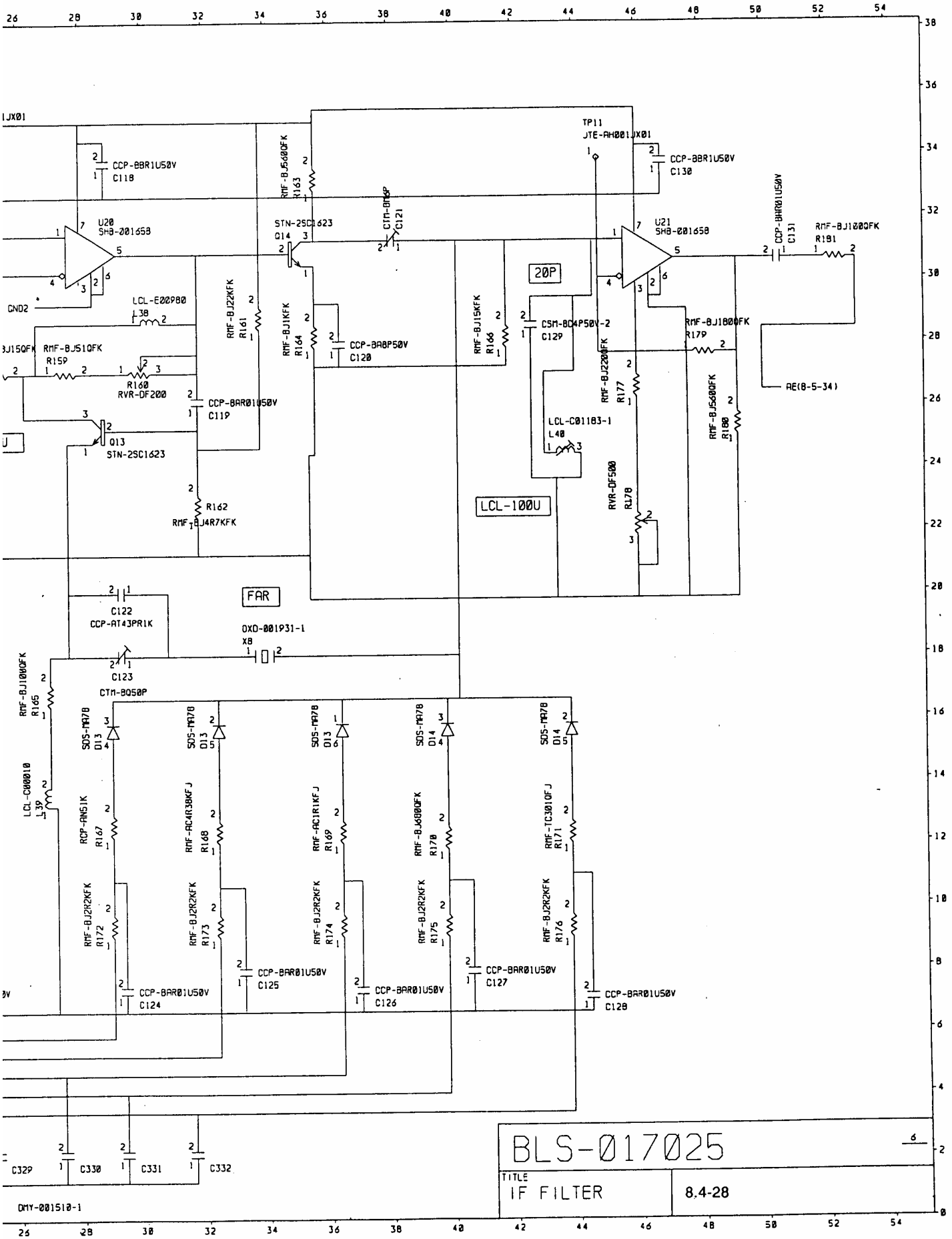


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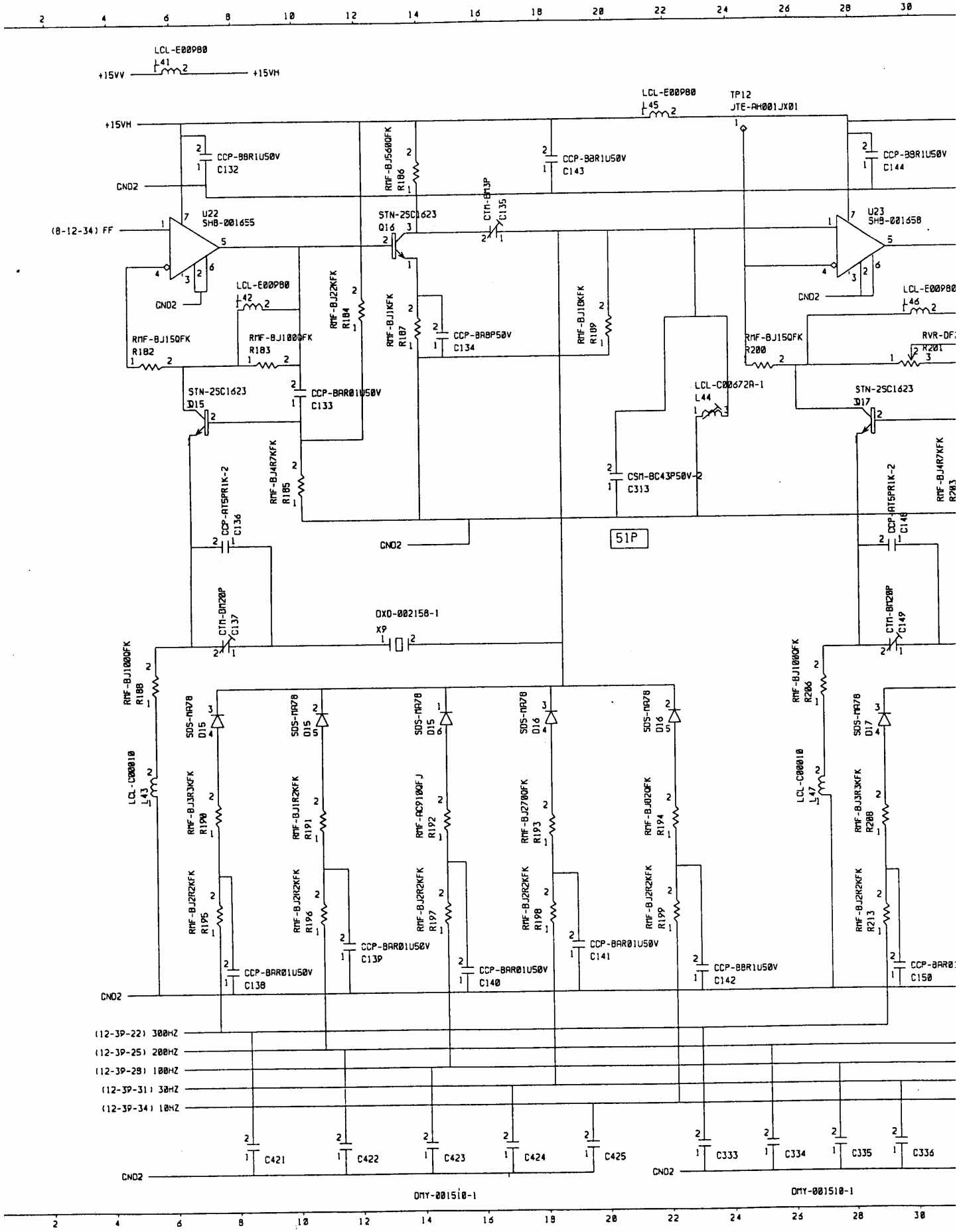
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Q16
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C135
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L45
L46
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RMF-BJ100QFK
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RMF-BJ22KFK
R184
RMF-BJ1KFK
R187
CCP-BA8P50V
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RVR-DF
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CCP-BAR01U50V
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D15
D17
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R203
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R206
SDS-MA78
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D16
D17
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L47
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R190
R208
RMF-BJ1R2KFK
R191
RMF-AC9100FJ
R192
RMF-BJ270QFK
R193
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RMF-BJ2R2KFK
R195
R196
R197
R198
R199
R213
CCP-BAR01U50V
C138
C139
C140
C141
CCP-B8R1U50V
C142
C150
(12-39-22) 300HZ
(12-39-25) 200HZ
(12-39-28) 100HZ
(12-39-31) 30HZ
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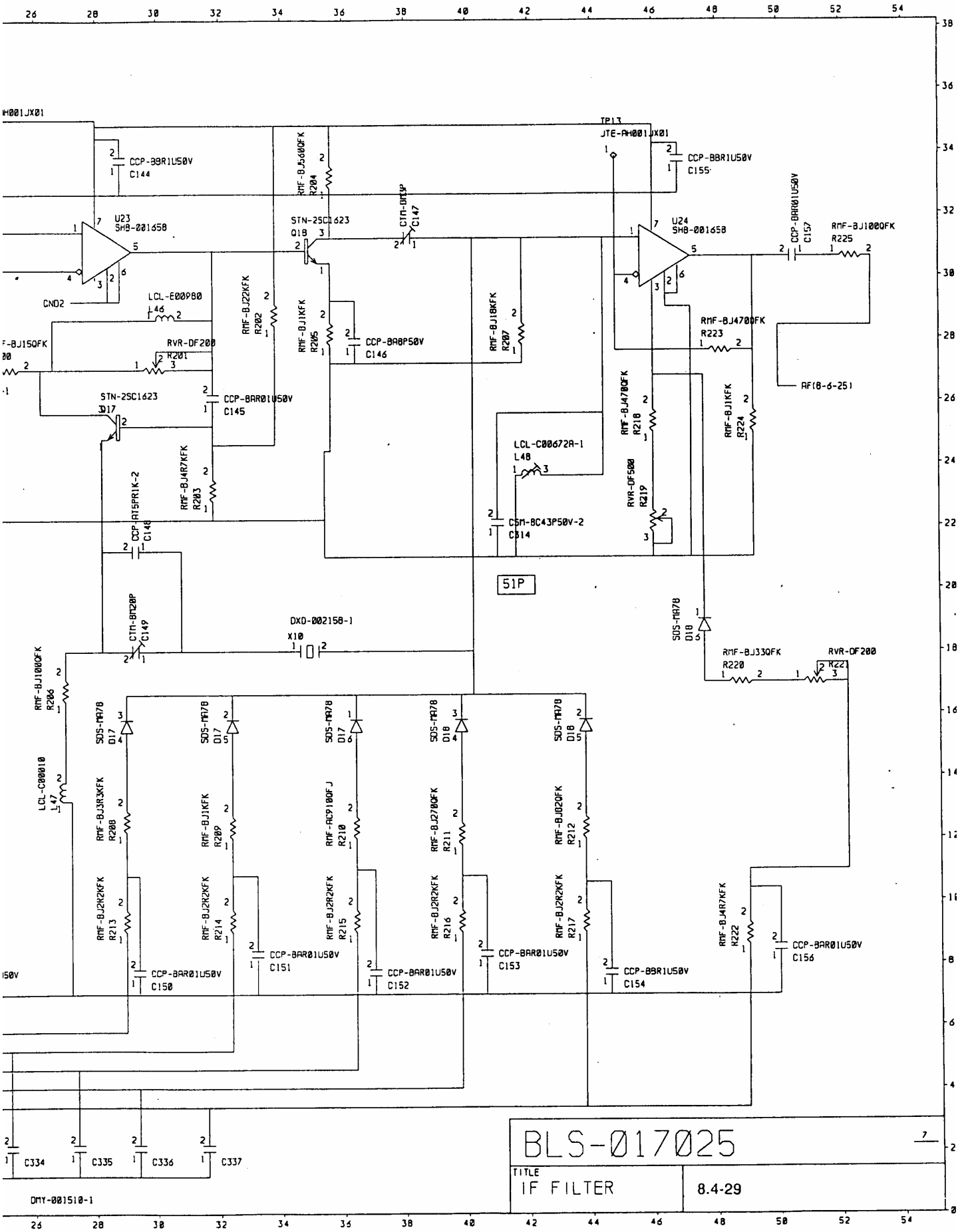
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L48
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AF(8-6-25)
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C156
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C314
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R201
R202
R203
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D16
D17
D18
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RVR-DF500
RMF-BJ15QFK
RMF-BJ22KFK
RMF-BJ1KFK
RMF-BJ18KFK
RMF-BJ4700FK
RMF-BJ4R7KFK
RMF-BJ1000FK
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RMF-AC9100FJ
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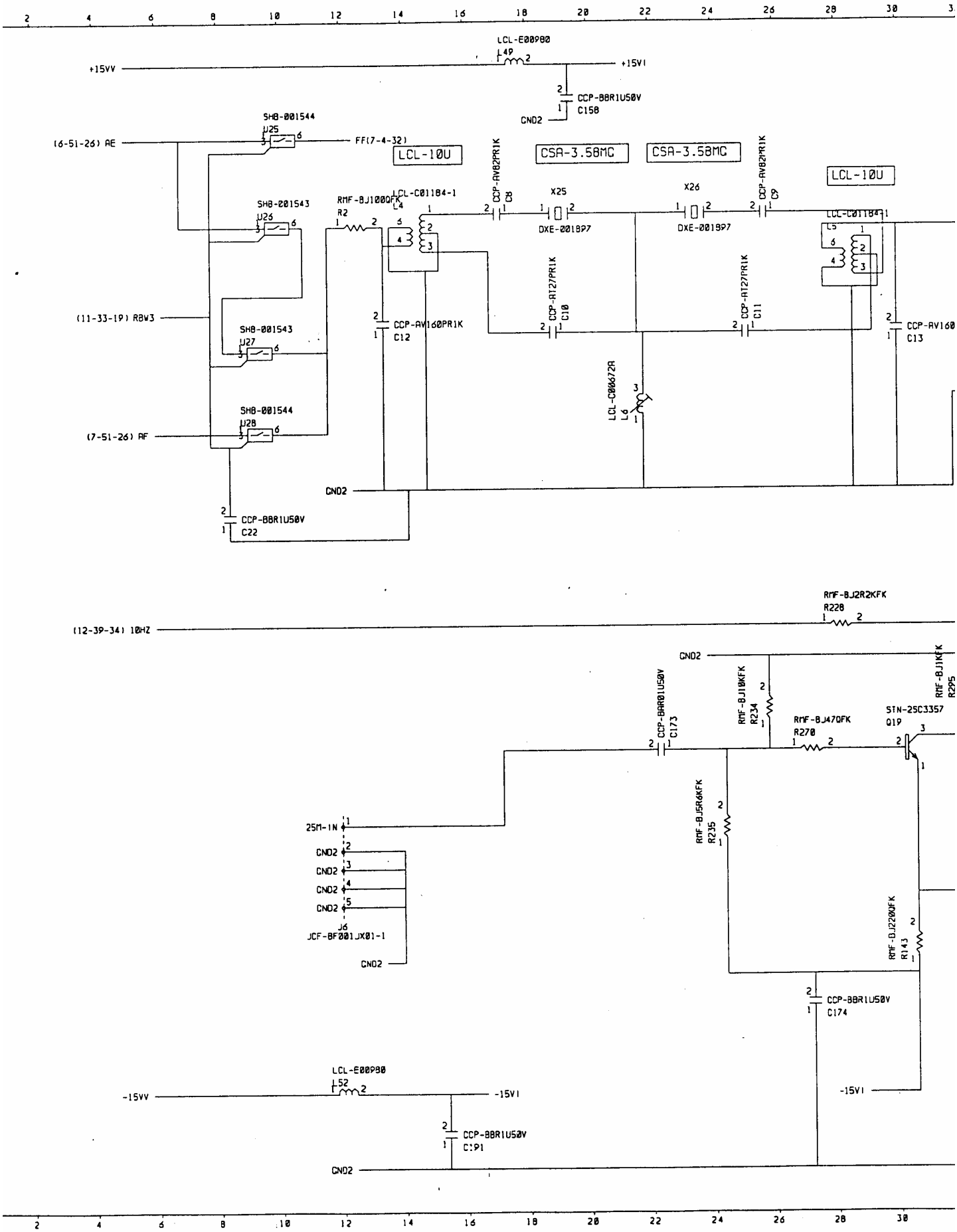
8.4-29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SH8-001544
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CSA-3.58MC
LCL-10U
CCP-AV82PR1K
C8
CCP-AV82PR1K
C9
X25
X26
DXE-001897
DXE-001897
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SH8-001543
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R2
L4
L5
(11-33-19) R8W3
SH8-001543
U27
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C12
CCP-AT27PR1K
C10
CCP-AT27PR1K
C11
CCP-AV160
C13
LCL-C00672A
L6
SH8-001544
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GND2
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GND2
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C173
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R234
RMF-BJ47QFK
R270
RMF-BJ1KFK
R295
SIN-25C3357
Q19
25M-1N
GND2
GND2
GND2
GND2
J6
JCF-BF001JX01-1
GND2
RMF-BJ5R6KFK
R235
RMF-BJ220QFK
R143
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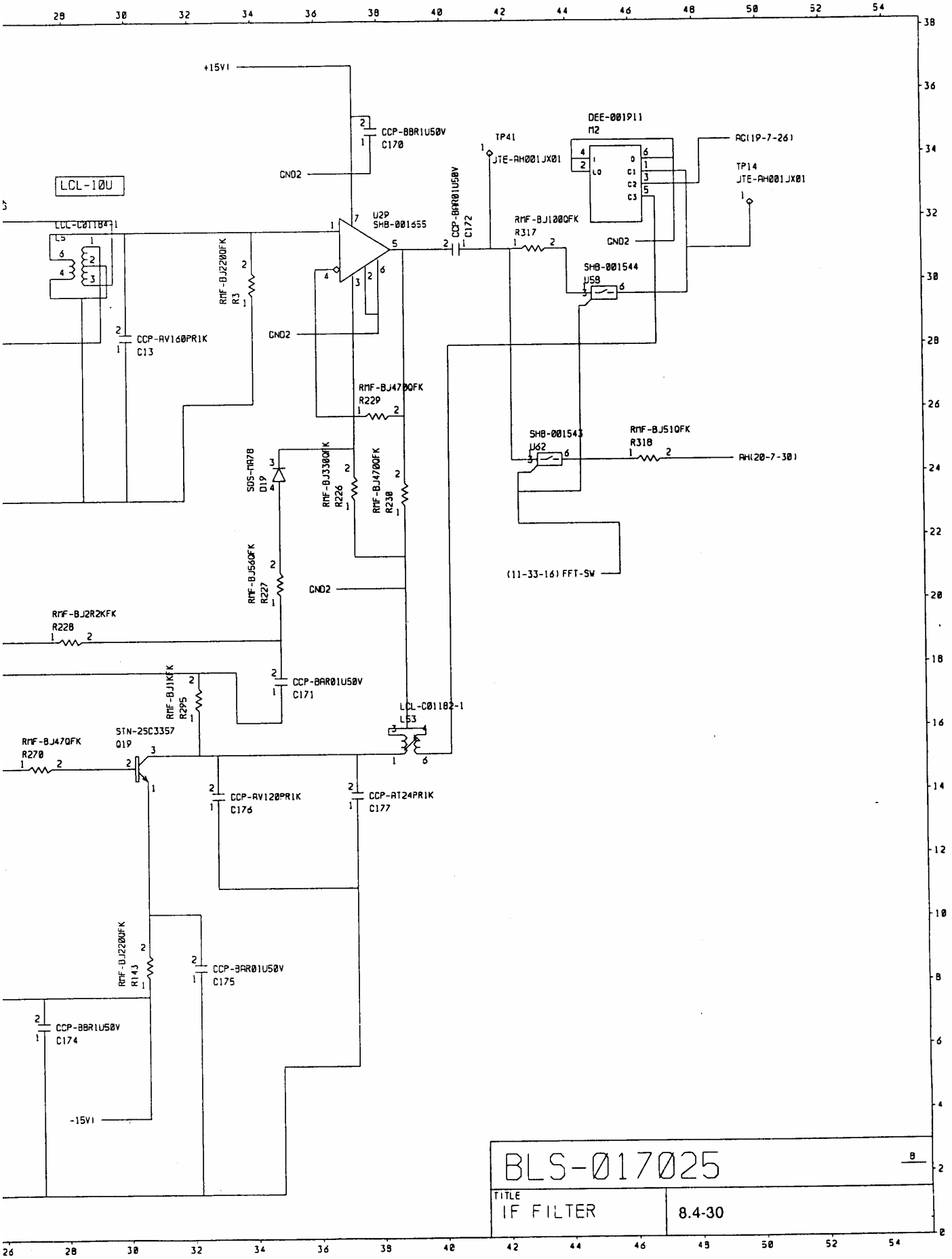
GND2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RMF-BJ2R2KFK R228
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STN-2SC3357 Q19
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CCP-AT24PR1K C177
RMF-BJ220QFK R143
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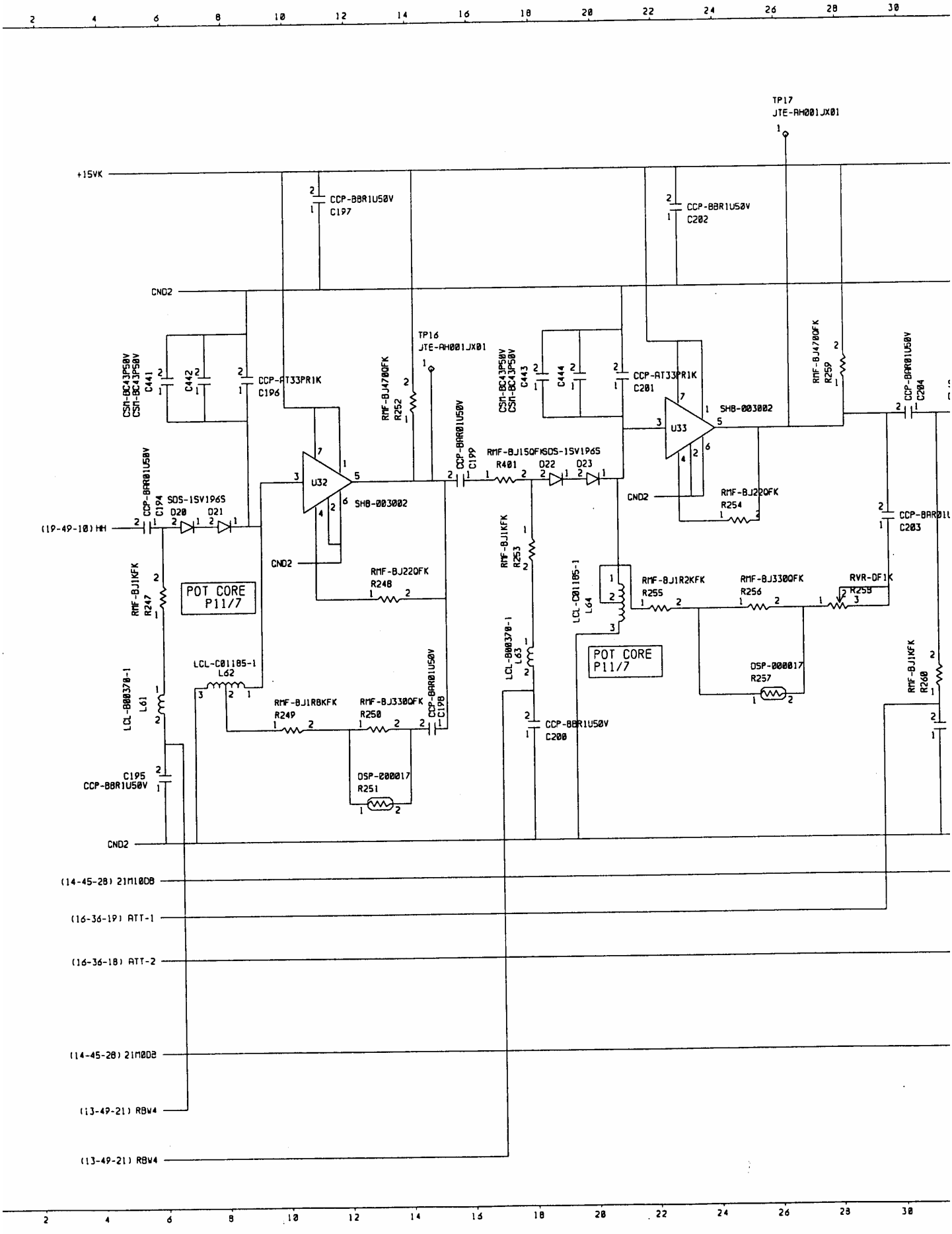
TITLE
IF FILTER
8.4-30


TP17
JTE-AH001JX01
+15VK
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C197
CCP-BBR1U50V
C202
GND2
TP16
JTE-AH001JX01
CSM-BC43P50V
C441
C442
CCP-AT33PR1K
C196
RMF-BJ470QFK
R252
CSM-BC43P50V
C443
C444
CCP-AT33PR1K
C201
RMF-BJ470QFK
R259
CCP-BAR01U50V
C204
U32
SHB-003002
U33
SHB-003002
CCP-BAR01U50V
C199
RMF-BJ15QFKSDS-1SV196S
R401
D22
D23
CCP-BAR01U50V
C194
SDS-1SV196S
D20
D21
(19-49-10) HH
GND2
RMF-BJ22QFK
R254
CCP-BAR01U50V
C203
RMF-BJ1KFK
R253
RMF-BJ1KFK
R247
POT CORE
P11/7
GND2
RMF-BJ22QFK
R248
LCL-C01185-1
L64
RMF-BJ1R2KFK
R255
RMF-BJ330QFK
R256
RVR-DF1K
R258
LCL-B00370-1
L63
POT CORE
P11/7
LCL-B00370-1
L61
LCL-C01185-1
L62
RMF-BJ1R8KFK
R249
RMF-BJ330QFK
R250
CCP-BAR01U50V
C198
DSP-000017
R257
RMF-BJ1KFK
R260
CCP-BBR1U50V
C200
C195
CCP-BBR1U50V
DSP-000017
R251
GND2
(14-45-28) 21M10DB
(16-36-19) ATT-1
(16-36-18) ATT-2
(14-45-28) 21M0DB
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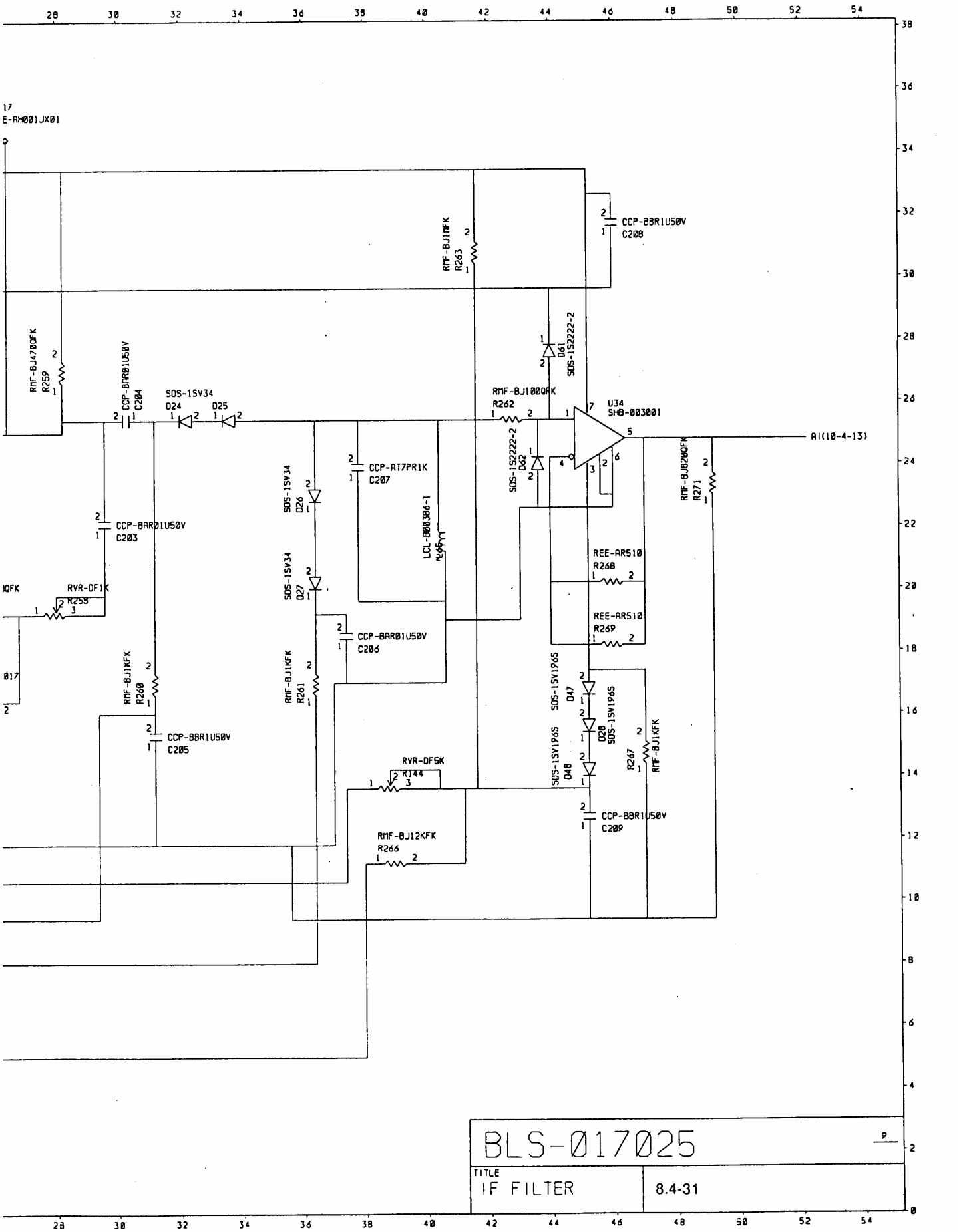
(13-49-21) RBW4

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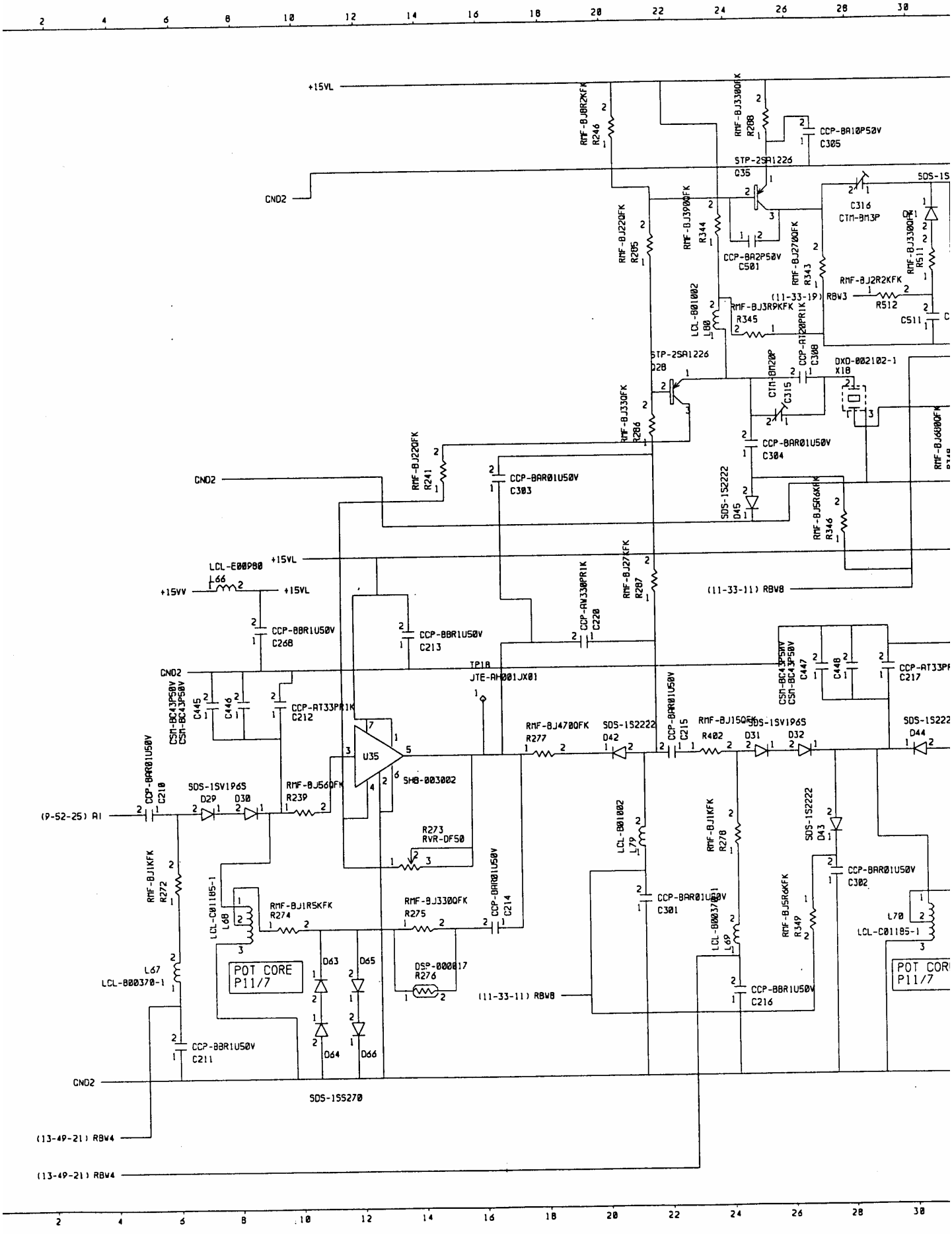
TITLE
IF FILTER

8.4-31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GND2
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Q35
C316
CTM-8M3P
CCP-8A10P50V
C305
CCP-8A2P50V
C501
RMF-8J2R2KFK
R512
(11-33-19) RBW3
C511
LCL-801002
L80
RMF-8J3R9KFK
R345
CCP-AT20PR1K
C308
DXO-002102-1
X18
CTM-8M20P
C315
STP-2SA1226
D28
RMF-8J330FK
R286
CCP-8AR01U50V
C304
CCP-8AR01U50V
C303
SDS-1S2222
D45
RMF-8J5R6KFK
R346
RMF-8J220FK
R241
RMF-8J27KFK
R287
(11-33-11) RBW8
LCL-E00P80
L66
+15VV
CCP-8BR1U50V
C268
CCP-8BR1U50V
C213
CCP-AV330PR1K
C220
TP1B
JTE-AH001JX01
CSN-BC43P50V
C445
C446
CCP-AT33PR1K
C212
C447
C448
CCP-AT33PR1K
C217
U35
SHB-003002
RMF-8J470FK
R277
SDS-1S2222
D42
CCP-8AR01U50V
C215
RMF-8J150FK
R402
SDS-1SV196S
D31
D32
SDS-1S222
D44
(9-52-25) A1
CCP-8AR01U50V
C210
SDS-1SV196S
D29
D30
RMF-8J560FK
R239
R273
RVR-DF50
RMF-8J1KFK
R272
LCL-C01105-1
L68
RMF-8J1R5KFK
R274
RMF-8J330FK
R275
CCP-8AR01U50V
C214
LCL-801002
L79
RMF-8J1KFK
R278
SDS-1S2222
D43
CCP-8AR01U50V
C302
L70
LCL-C01185-1
POT CORE
P11/7
D63
D65
DSP-000017
R276
L67
LCL-800370-1
CCP-8BR1U50V
C211
D64
D66
(11-33-11) RBW8
CCP-8AR01U50V
C301
LCL-800370-1
L69
CCP-8BR1U50V
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RMF-8J5R6KFK
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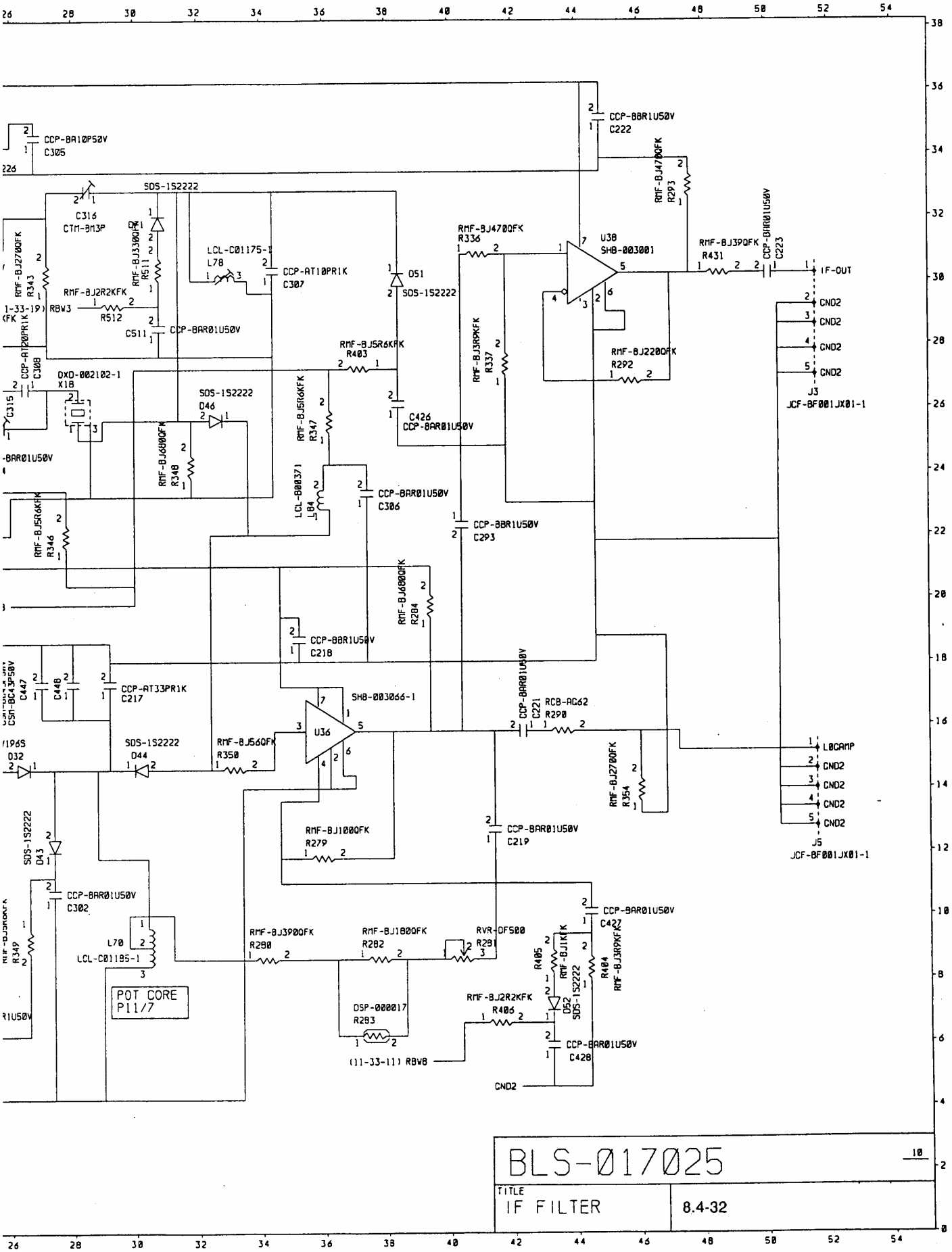
SDS-1S5270
(13-49-21) RBW4
(13-49-21) RBW4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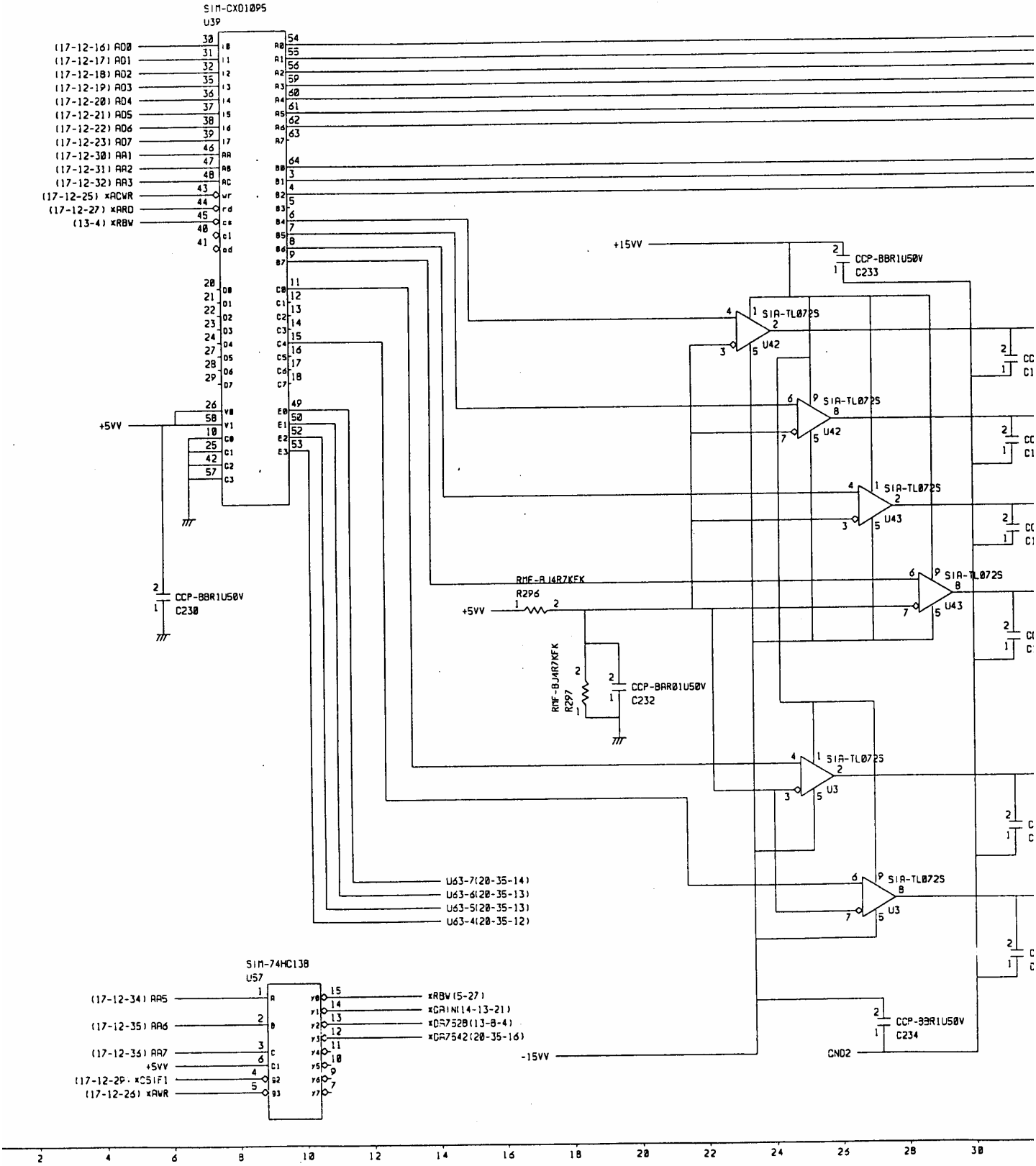
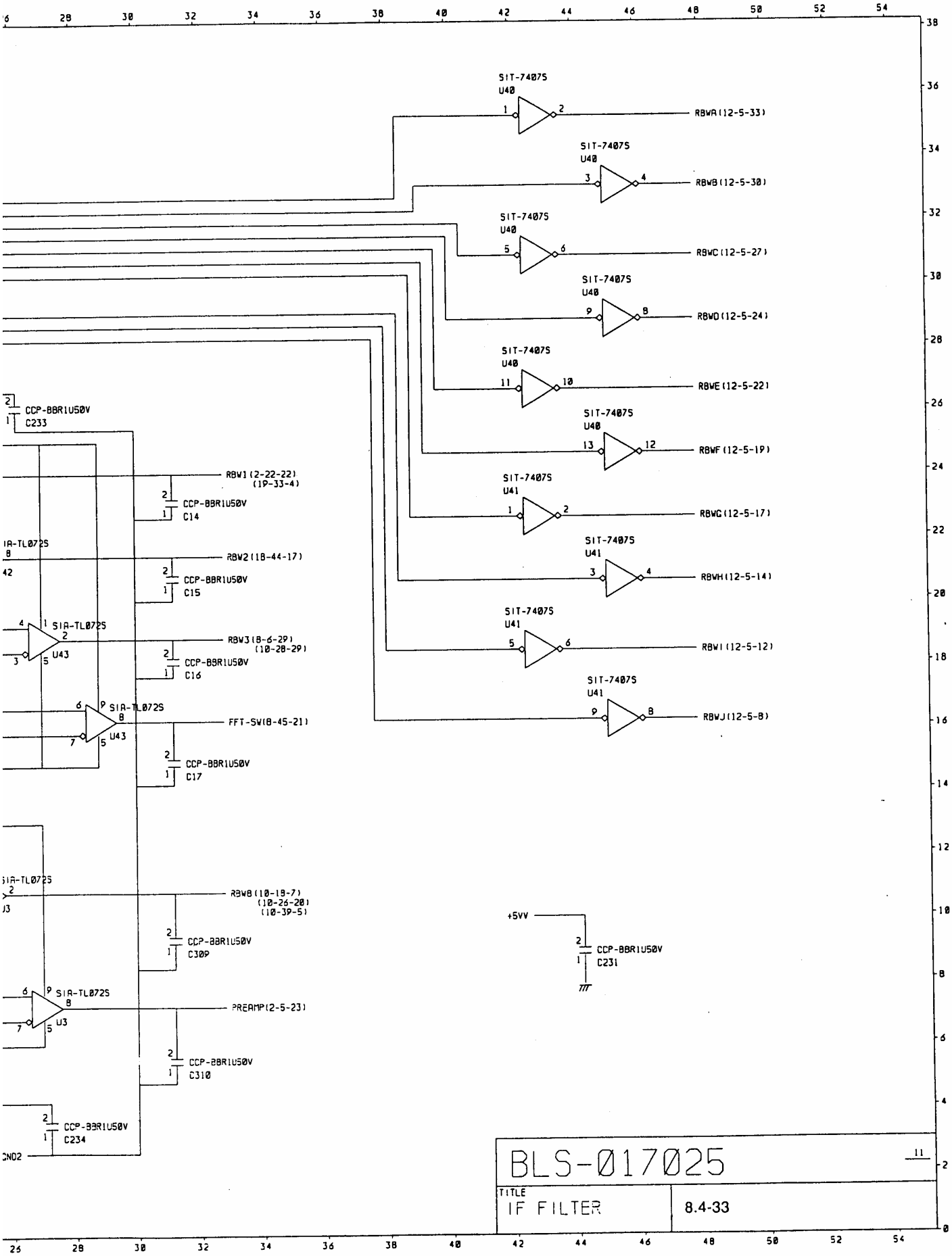
10
TITLE
IF FILTER
8.4-32
IF-OUT
J3
JCF-BF001JX01-1
J5
JCF-BF001JX01-1
LOCAMP
GND2
U38
SHB-003001
U36
SHB-003066-1
SDS-1S2222
RBW3
(11-33-11) RBW8
POT CORE
P11/7


SIM-CX0109S
U39
(17-12-16) AD0
(17-12-17) AD1
(17-12-18) AD2
(17-12-19) AD3
(17-12-20) AD4
(17-12-21) AD5
(17-12-22) AD6
(17-12-23) AD7
(17-12-30) AA1
(17-12-31) AA2
(17-12-32) AA3
(17-12-25) xACWR
(17-12-27) xARD
(13-4) xRBW
+5VV
CCP-BBR1U50V
C230
+15VV
CCP-BBR1U50V
C233
SIA-TL072S
U42
SIA-TL072S
U42
SIA-TL072S
U43
SIA-TL072S
U43
RMF-BJ4R7KFK
R296
+5VV
RMF-BJ4R7KFK
R297
CCP-BBR01U50V
C232
SIA-TL072S
U3
SIA-TL072S
U3
U63-7(20-35-14)
U63-6(20-35-13)
U63-5(20-35-13)
U63-4(20-35-12)
SIM-74HC138
U57
(17-12-34) AA5
(17-12-35) AA6
(17-12-36) AA7
+5VV
(17-12-29) xCSIF1
(17-12-26) xAWR
xRBW(5-27)
xGAIN(14-13-21)
xDA7528(13-8-4)
xDA7542(20-35-16)
-15VV
CCP-BBR1U50V
C234
GND2

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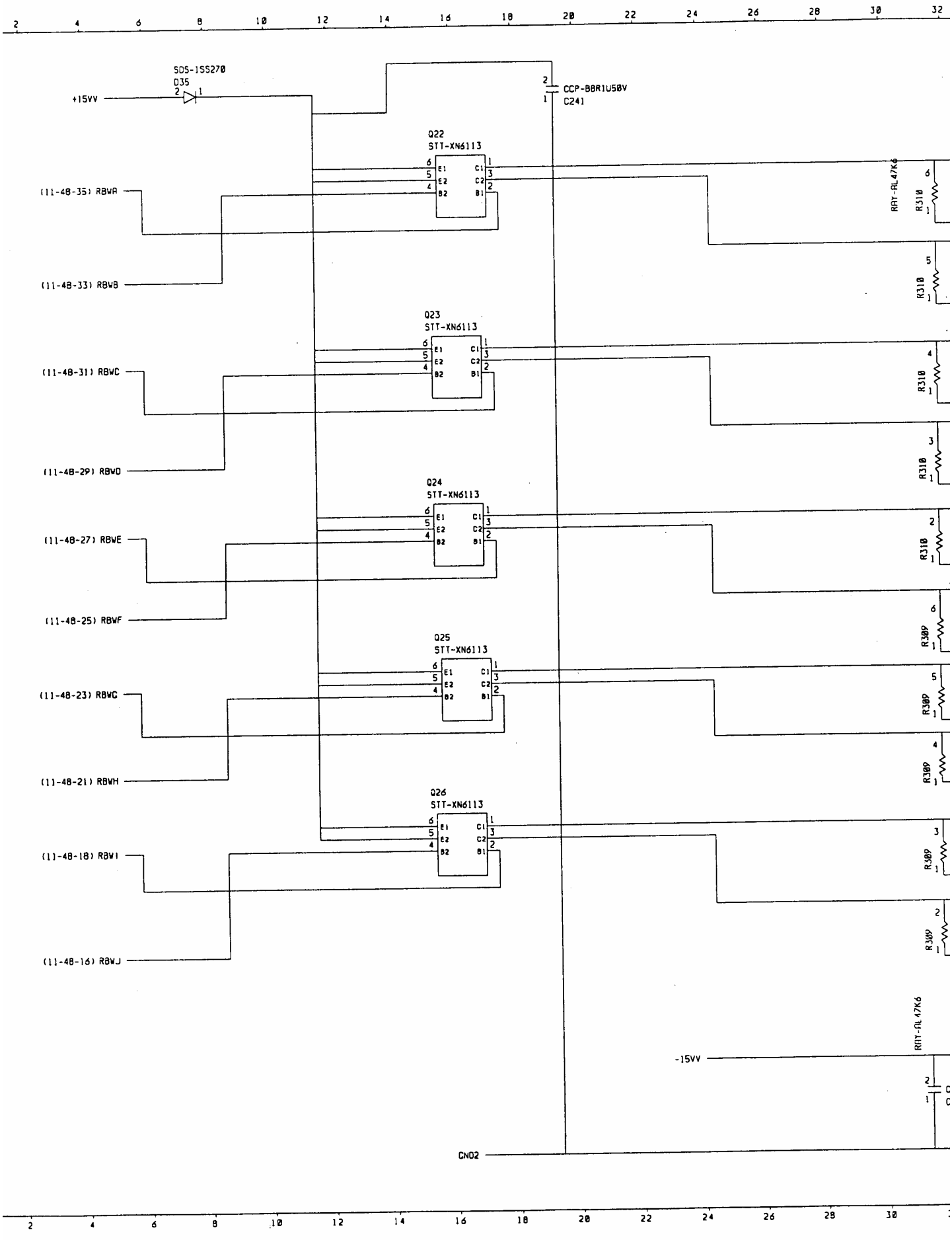
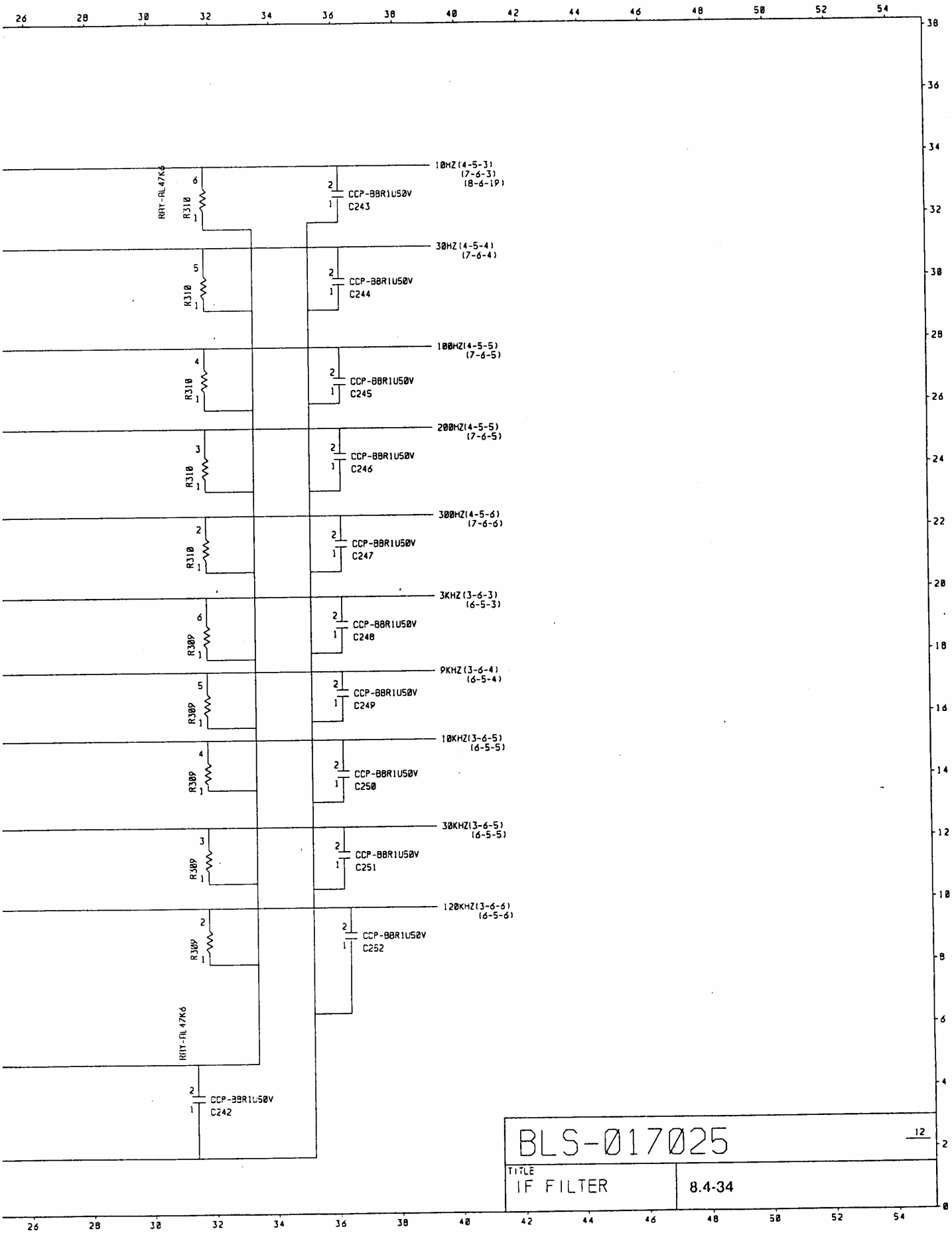
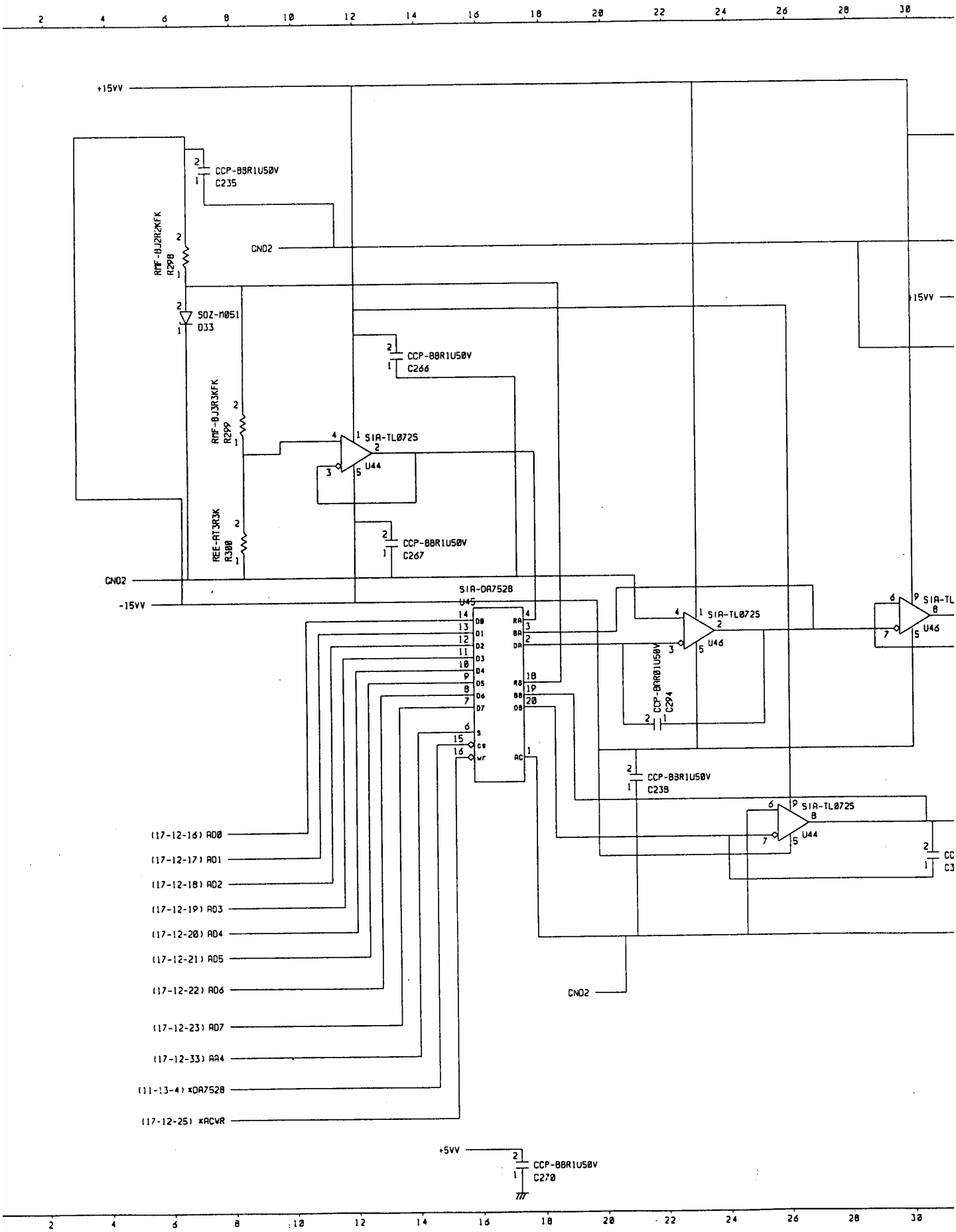
11

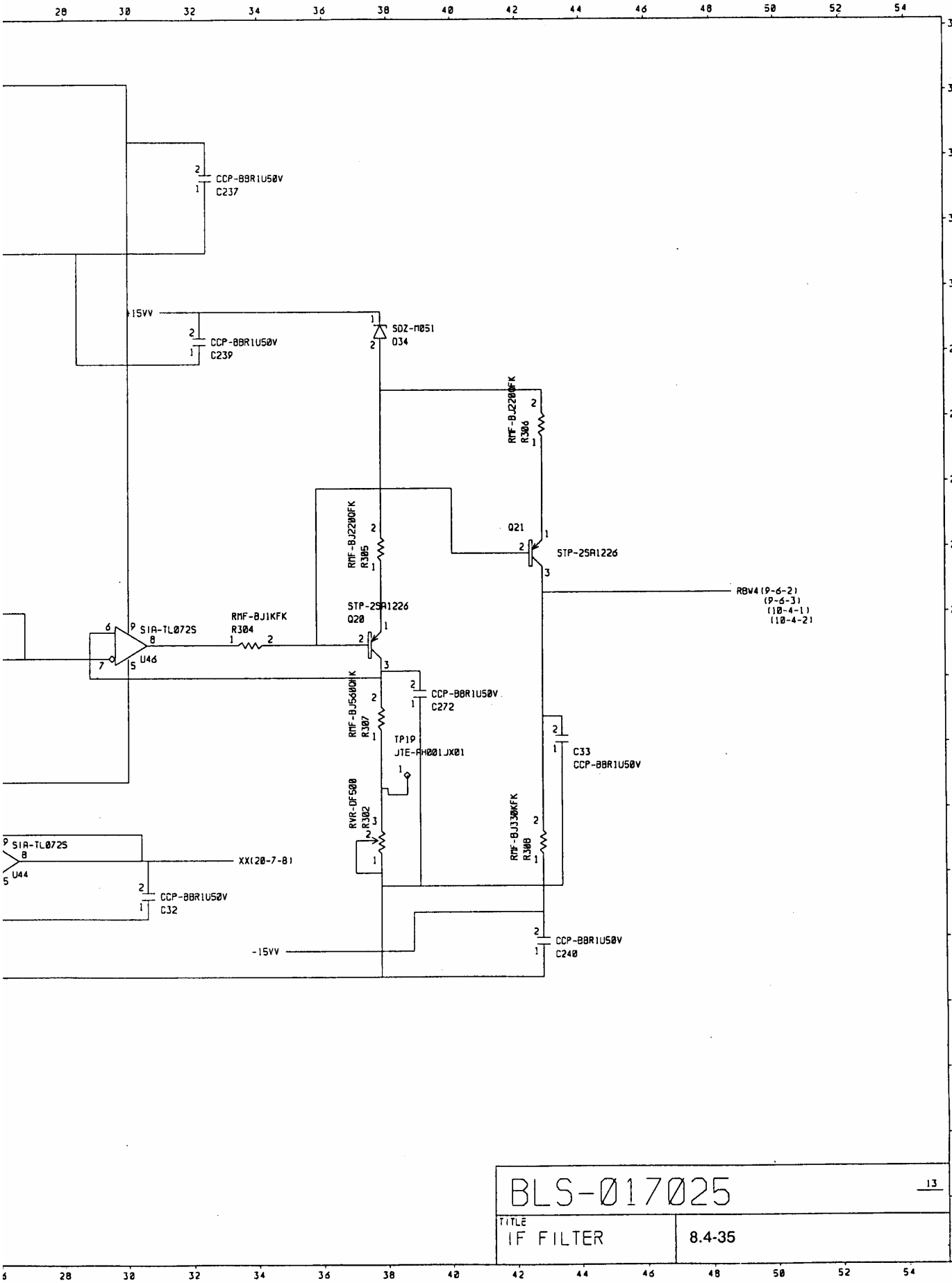
TITLE
IF FILTER

8.4-33


2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32
SDS-1SS270
D35
+15VV
CCP-B8R1U50V
C241
Q22
STT-XN6113
(11-48-35) RBWA
(11-48-33) RBWB
Q23
STT-XN6113
(11-48-31) RBWC
(11-48-29) RBWD
Q24
STT-XN6113
(11-48-27) RBWE
(11-48-25) RBWF
Q25
STT-XN6113
(11-48-23) RBWG
(11-48-21) RBWH
Q26
STT-XN6113
(11-48-18) RBWI
(11-48-16) RBWJ
RAT-RL47K6
R310
R309
-15VV
GND2
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30


RAY-RL47K6
R310
CCP-BBR1U50V
C243
10HZ(4-5-3)
(7-6-3)
(8-6-1P)
R310
C244
30HZ(4-5-4)
(7-6-4)
R310
C245
100HZ(4-5-5)
(7-6-5)
R310
C246
200HZ(4-5-5)
(7-6-5)
R310
C247
300HZ(4-5-6)
(7-6-6)
R30P
C248
3KHZ(3-6-3)
(6-5-3)
R30P
C249
9KHZ(3-6-4)
(6-5-4)
R30P
C250
10KHZ(3-6-5)
(6-5-5)
R30P
C251
30KHZ(3-6-5)
(6-5-5)
R30P
C252
120KHZ(3-6-6)
(6-5-6)
RAY-RL47K6
C242
BLS-017025
12
TITLE
IF FILTER
8.4-34


+15VV
CCP-B8R1U50V
C235
RMF-8J2R2KFK
R298
GND2
SDZ-M051
D33
CCP-B8R1U50V
C266
RMF-8J3R3KFK
R299
SIA-TL072S
U44
REE-AT3R3K
R300
CCP-B8R1U50V
C267
-15VV
SIA-DA7528
U45
SIA-TL072S
U46
CCP-B8R01U50V
C294
CCP-B8R1U50V
C238
SIA-TL072S
U44
(17-12-16) AD0
(17-12-17) AD1
(17-12-18) AD2
(17-12-19) AD3
(17-12-20) AD4
(17-12-21) AD5
(17-12-22) AD6
(17-12-23) AD7
(17-12-33) AA4
(11-13-4) xDA7528
(17-12-25) xACWR
+5VV
CCP-B8R1U50V
C270

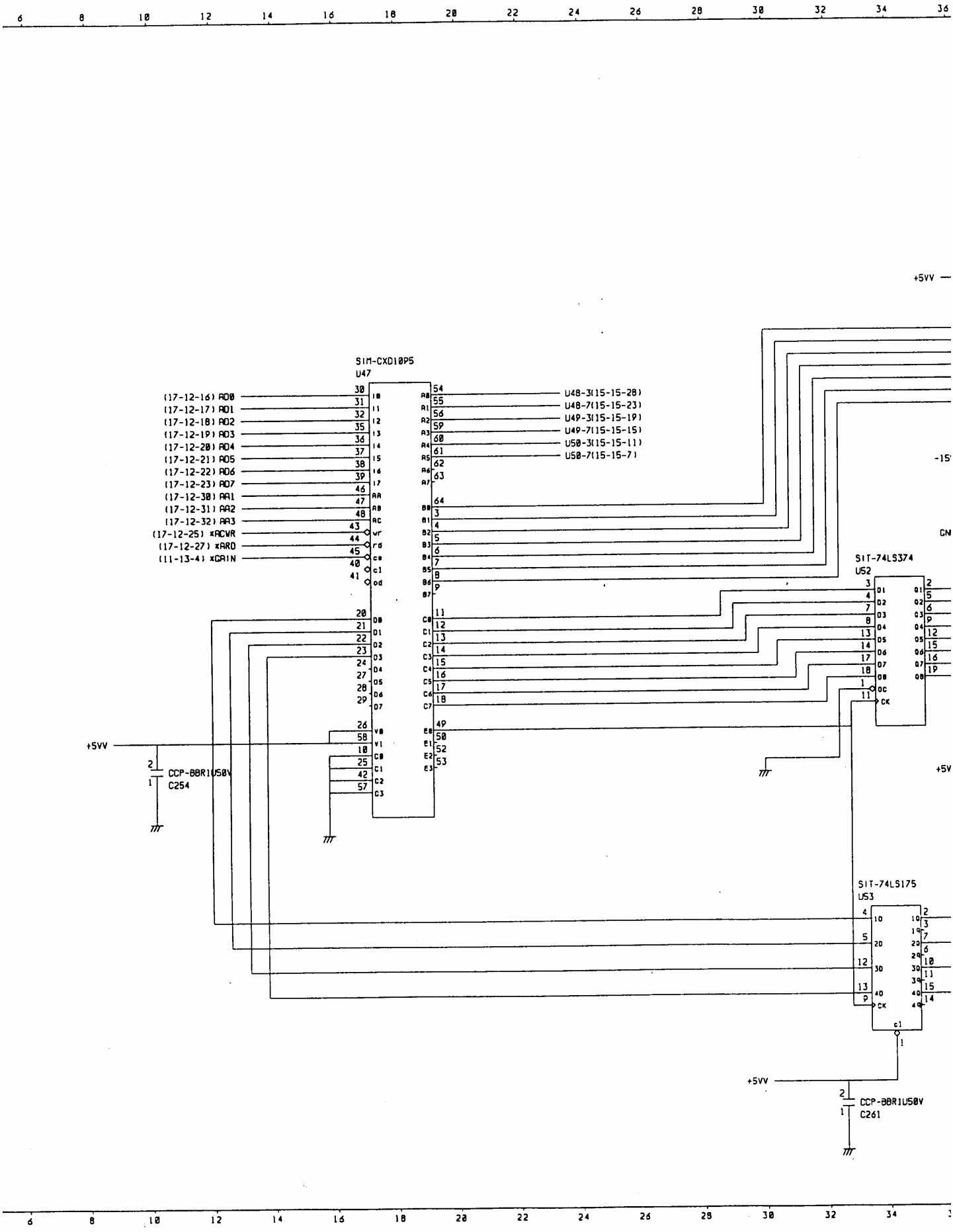



BLS-017025

13

TITLE
IF FILTER

8.4-35


SIM-CXD10P5
U47
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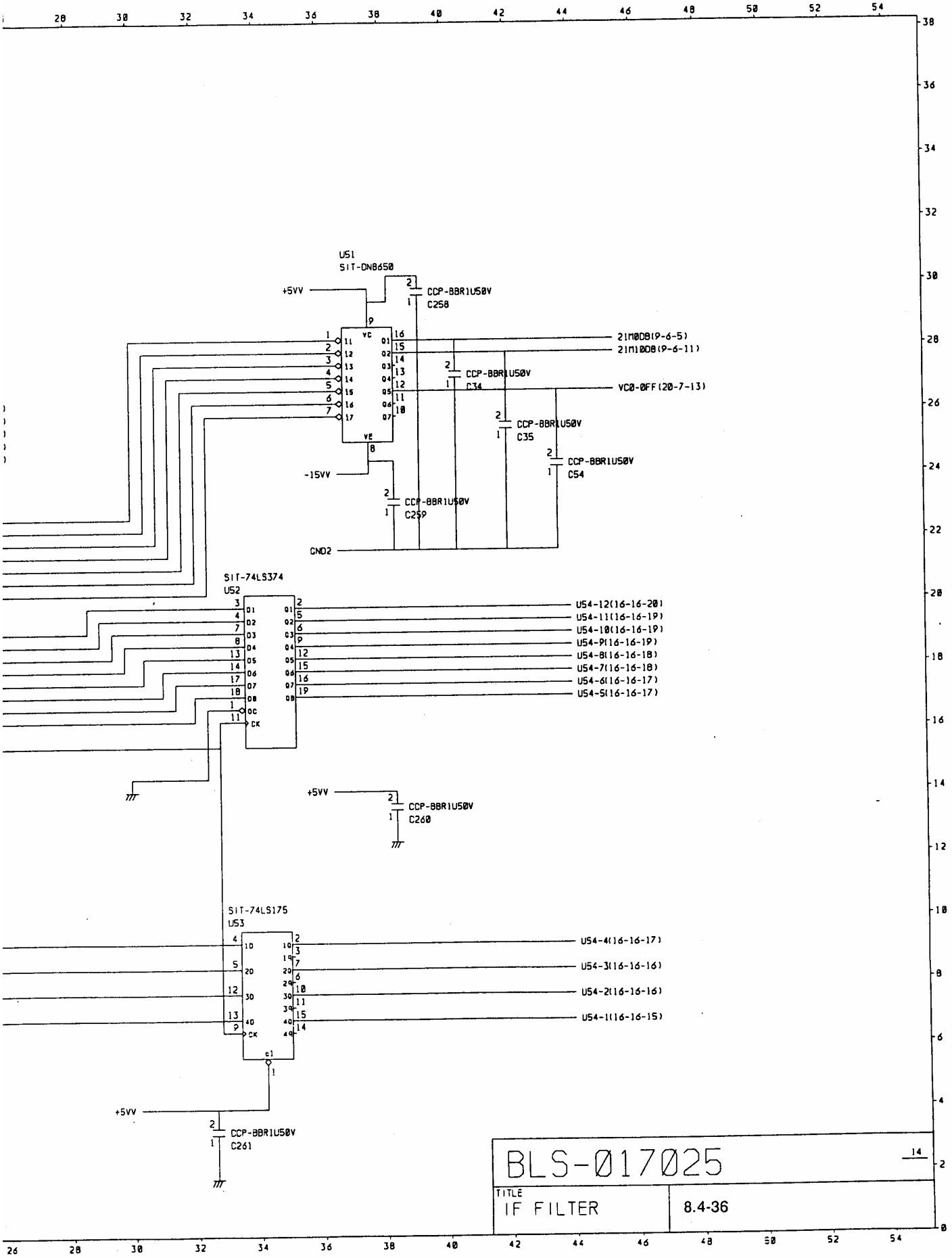
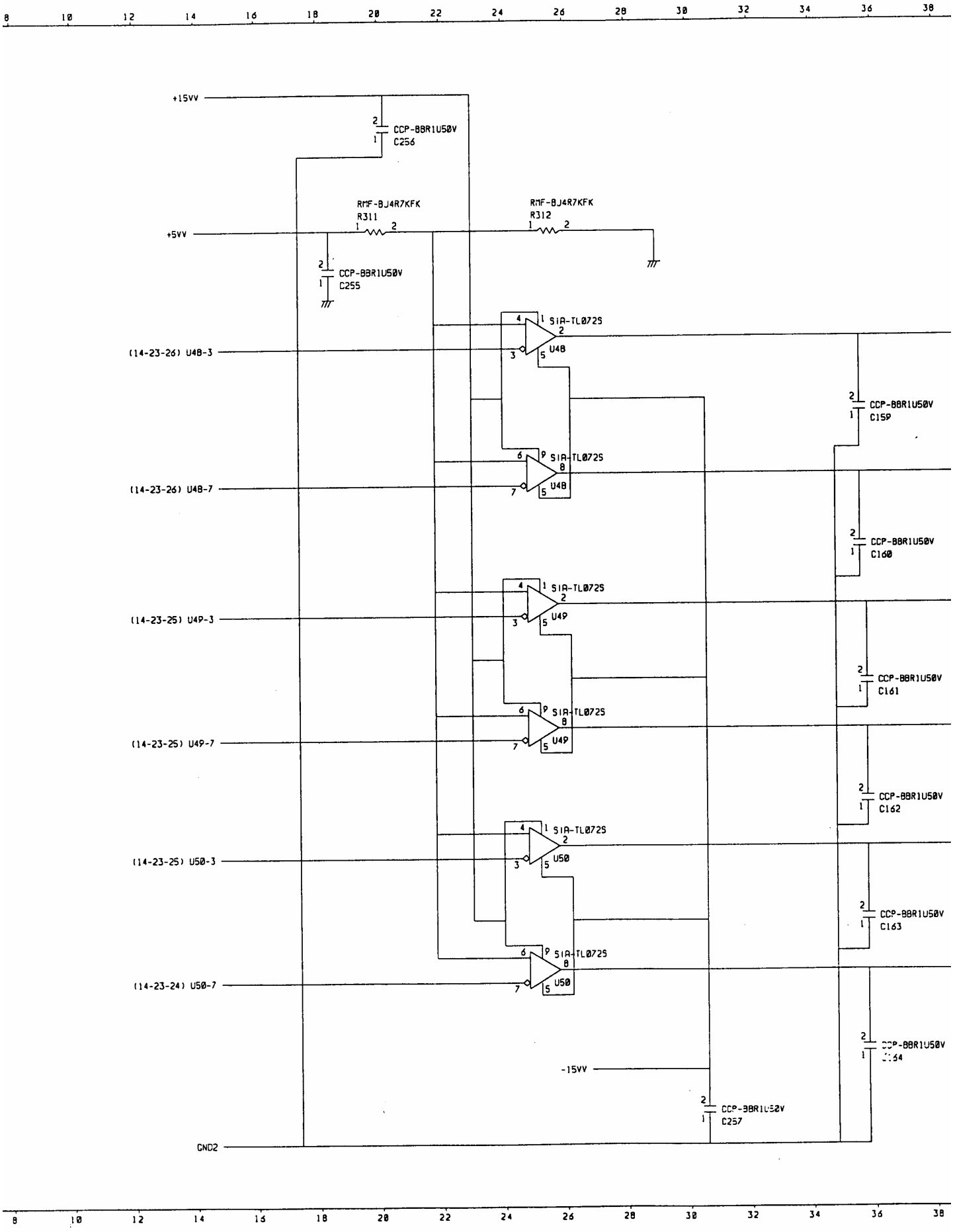
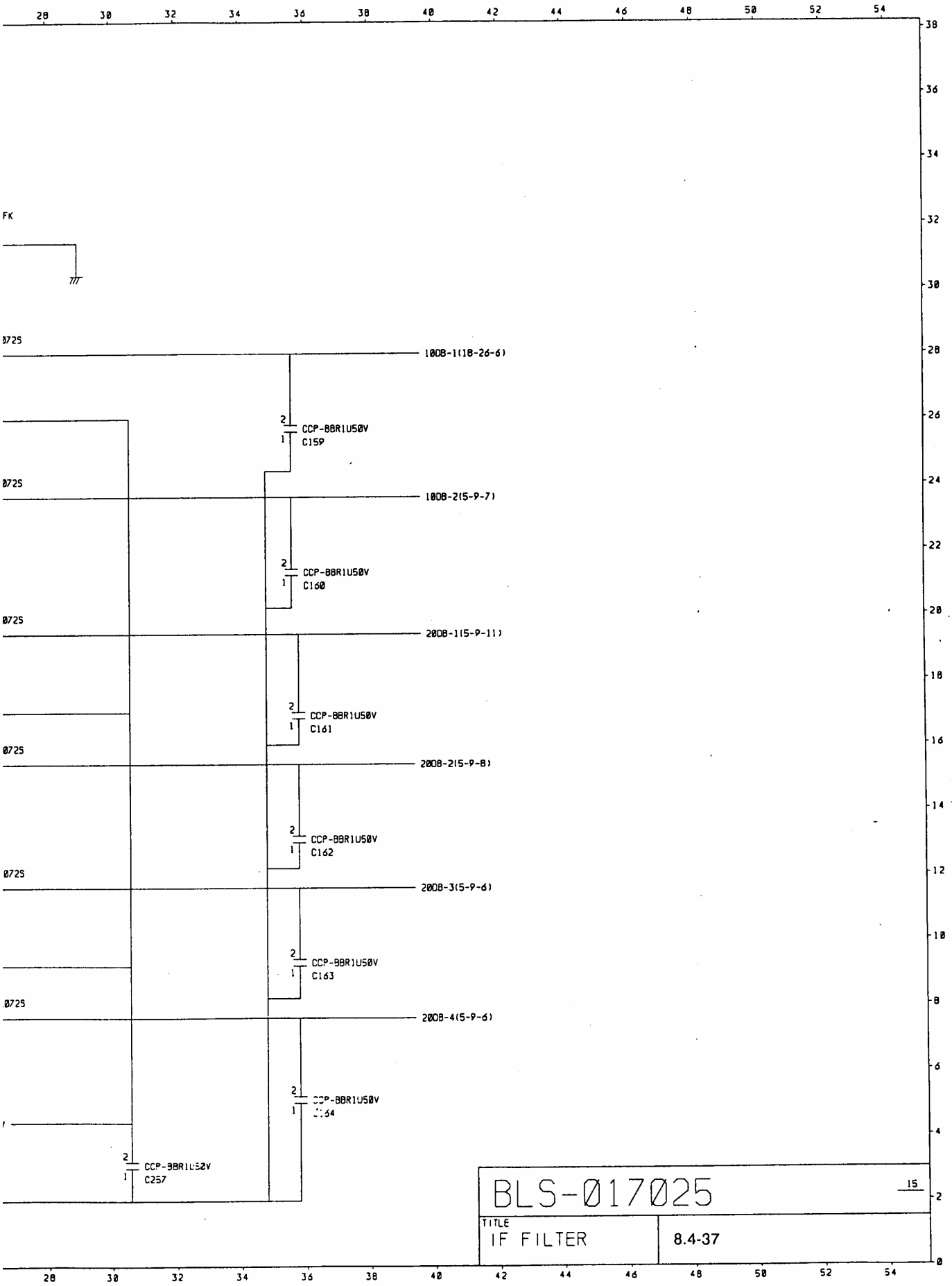
(17-12-19) AD3
(17-12-20) AD4
(17-12-21) AD5
(17-12-22) AD6
(17-12-23) AD7
(17-12-30) AA1
(17-12-31) AA2
(17-12-32) AA3
(17-12-25) xACWR
(17-12-27) xARD
(11-13-4) xCAIN
U48-3(15-15-28)
U48-7(15-15-23)
U49-3(15-15-19)
U49-7(15-15-15)
U50-3(15-15-11)
U50-7(15-15-7)
+5VV
CCP-BBR1U50V
C254
SIT-74LS374
U52
SIT-74LS175
U53
CCP-BBR1U50V
C261


U51
SIT-DN8650
+5VV
CCP-BBR1U50V
C258
VC
VE
21M0DB(9-6-5)
21M10DB(9-6-11)
CCP-BBR1U50V
C34
VC0-0FF(20-7-13)
CCP-BBR1U50V
C35
CCP-BBR1U50V
C54
-15VV
CCP-BBR1U50V
C259
GND2
SIT-74LS374
U52
U54-12(16-16-20)
U54-11(16-16-19)
U54-10(16-16-19)
U54-9(16-16-19)
U54-8(16-16-18)
U54-7(16-16-18)
U54-6(16-16-17)
U54-5(16-16-17)
+5VV
CCP-BBR1U50V
C260
SIT-74LS175
U53
U54-4(16-16-17)
U54-3(16-16-16)
U54-2(16-16-16)
U54-1(16-16-15)
+5VV
CCP-BBR1U50V
C261
BLS-017025
14
TITLE
IF FILTER
8.4-36


8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38
+15VV
CCP-BBR1U50V
C256
RMF-BJ4R7KFK
R311
RMF-BJ4R7KFK
R312
+5VV
CCP-BBR1U50V
C255
SIA-TL072S
U48
(14-23-26) U48-3
(14-23-26) U48-7
CCP-BBR1U50V
C159
CCP-BBR1U50V
C160
SIA-TL072S
U49
(14-23-25) U49-3
(14-23-25) U49-7
CCP-BBR1U50V
C161
CCP-BBR1U50V
C162
SIA-TL072S
U50
(14-23-25) U50-3
(14-23-24) U50-7
CCP-BBR1U50V
C163
CCP-BBR1U50V
C164
-15VV
CCP-BBR1U50V
C257
GND2
8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38


28 30 32 34 36 38 40 42 44 46 48 50 52 54
38 36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0
FK
0725
10DB-1(18-26-6)
2
1
CCP-BBR1U50V
C159
0725
10DB-2(5-9-7)
2
1
CCP-BBR1U50V
C160
0725
20DB-1(5-9-11)
2
1
CCP-BBR1U50V
C161
0725
20DB-2(5-9-8)
2
1
CCP-BBR1U50V
C162
0725
20DB-3(5-9-6)
2
1
CCP-BBR1U50V
C163
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20DB-4(5-9-6)
2
1
CCP-BBR1U50V
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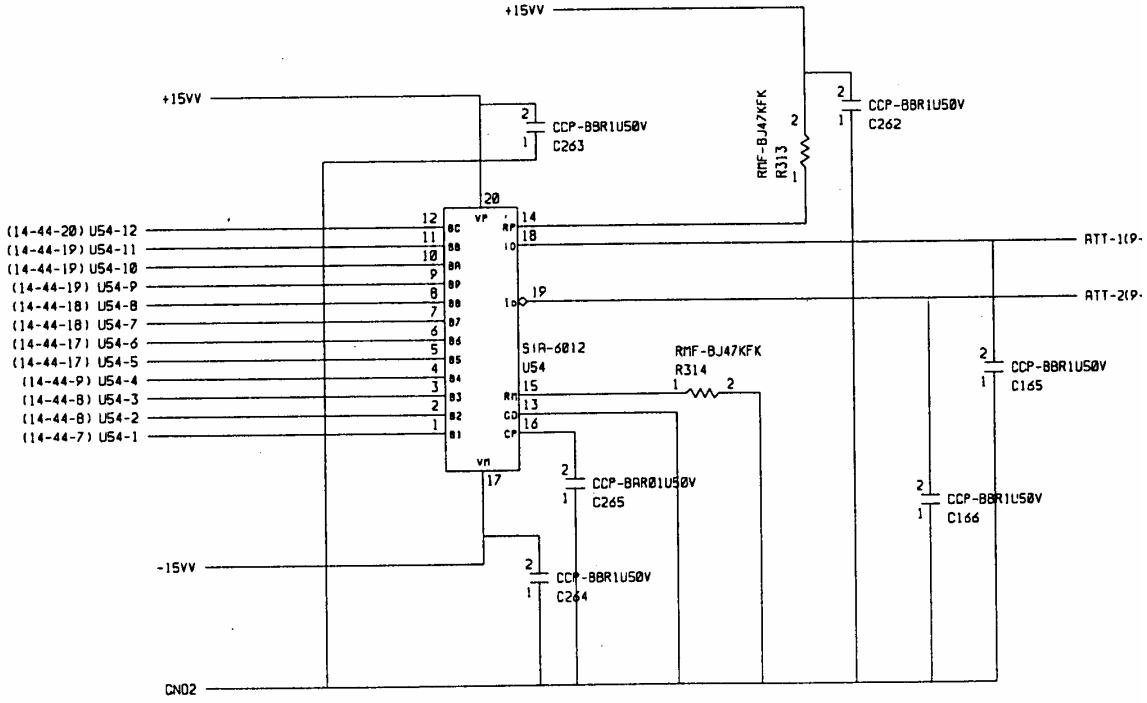
C257
BLS-017025
15
TITLE
IF FILTER
8.4-37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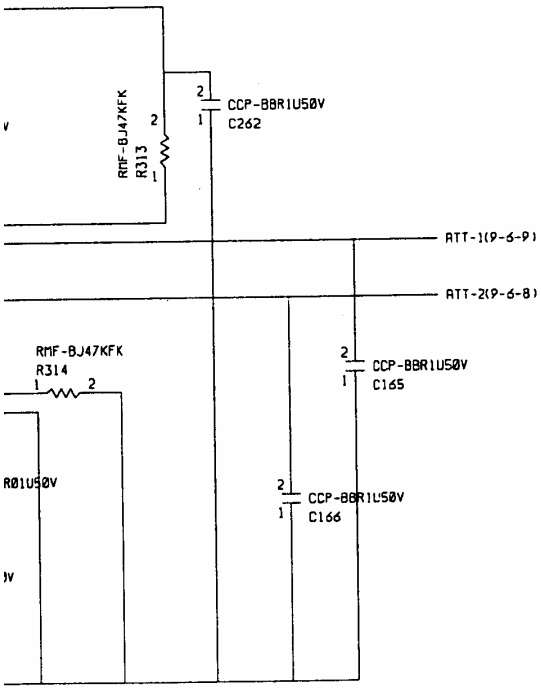
+15VV
CCP-B8R1U50V
C263
RMF-BJ47KFK
R313
CCP-B8R1U50V
C262
20
(14-44-20) U54-12
(14-44-19) U54-11
(14-44-19) U54-10
(14-44-19) U54-9
(14-44-18) U54-8
(14-44-18) U54-7
(14-44-17) U54-6
(14-44-17) U54-5
(14-44-9) U54-4
(14-44-8) U54-3
(14-44-8) U54-2
(14-44-7) U54-1
12
11
10
9
8
7
6
5
4
3
2
1
14
18
19
ATT-1(9-
ATT-2(9-
S1A-6012
U54
RMF-BJ47KFK
R314
15
13
16
CCP-B8R1U50V
C165
CCP-BAR01U50V
C265
CCP-B8R1U50V
C166
17
-15VV
CCP-B8R1U50V
C264
GND2

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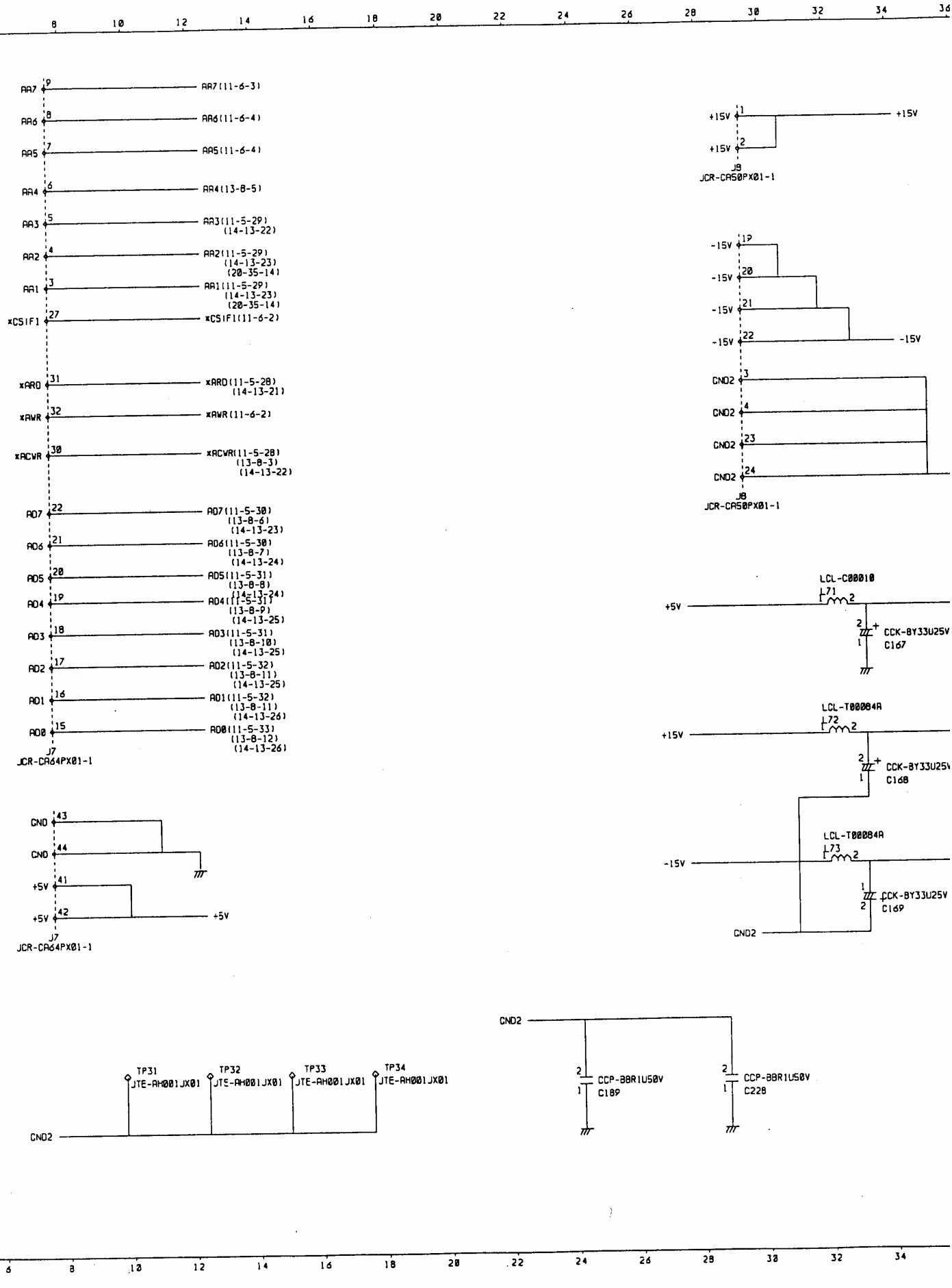
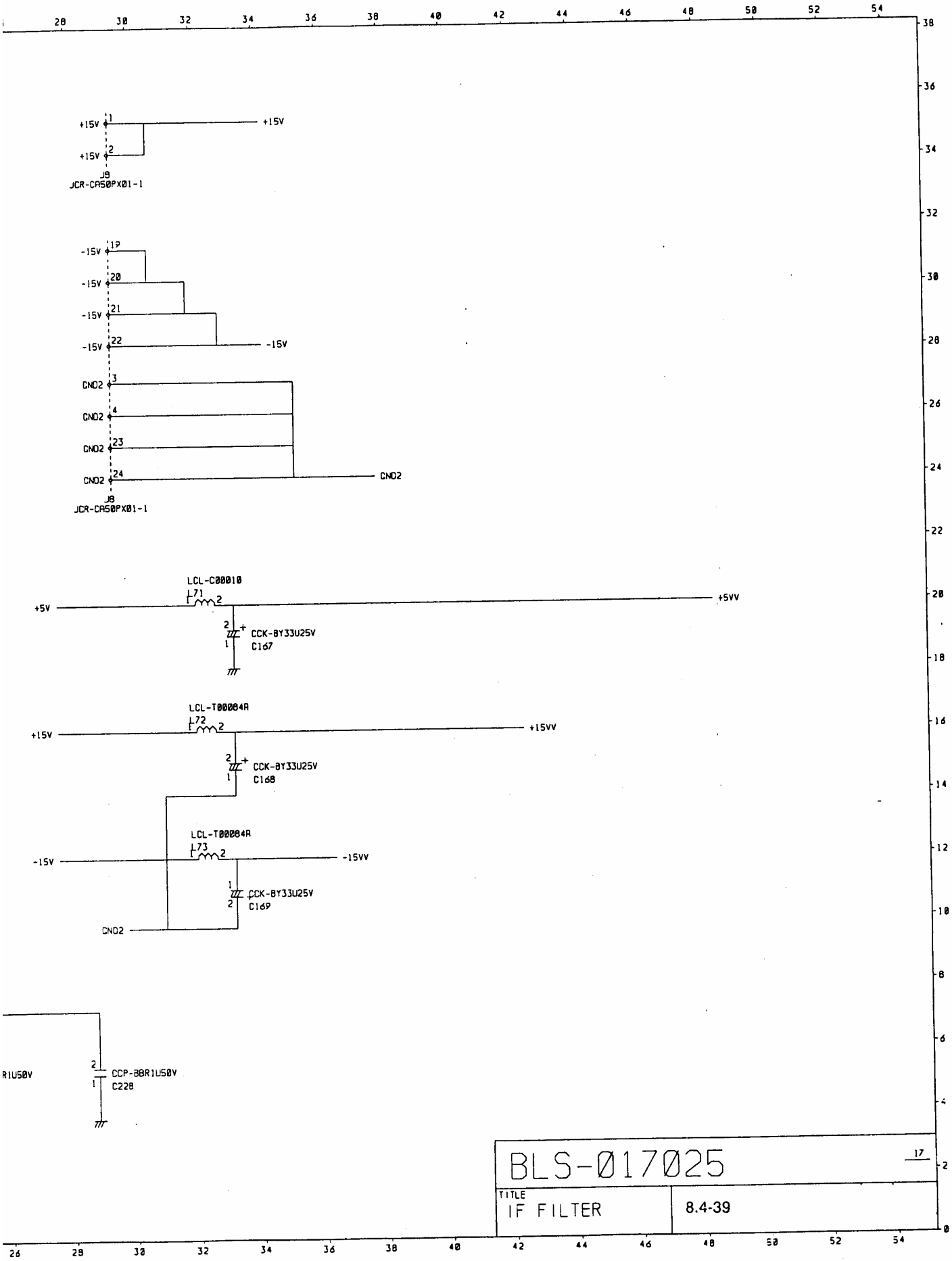
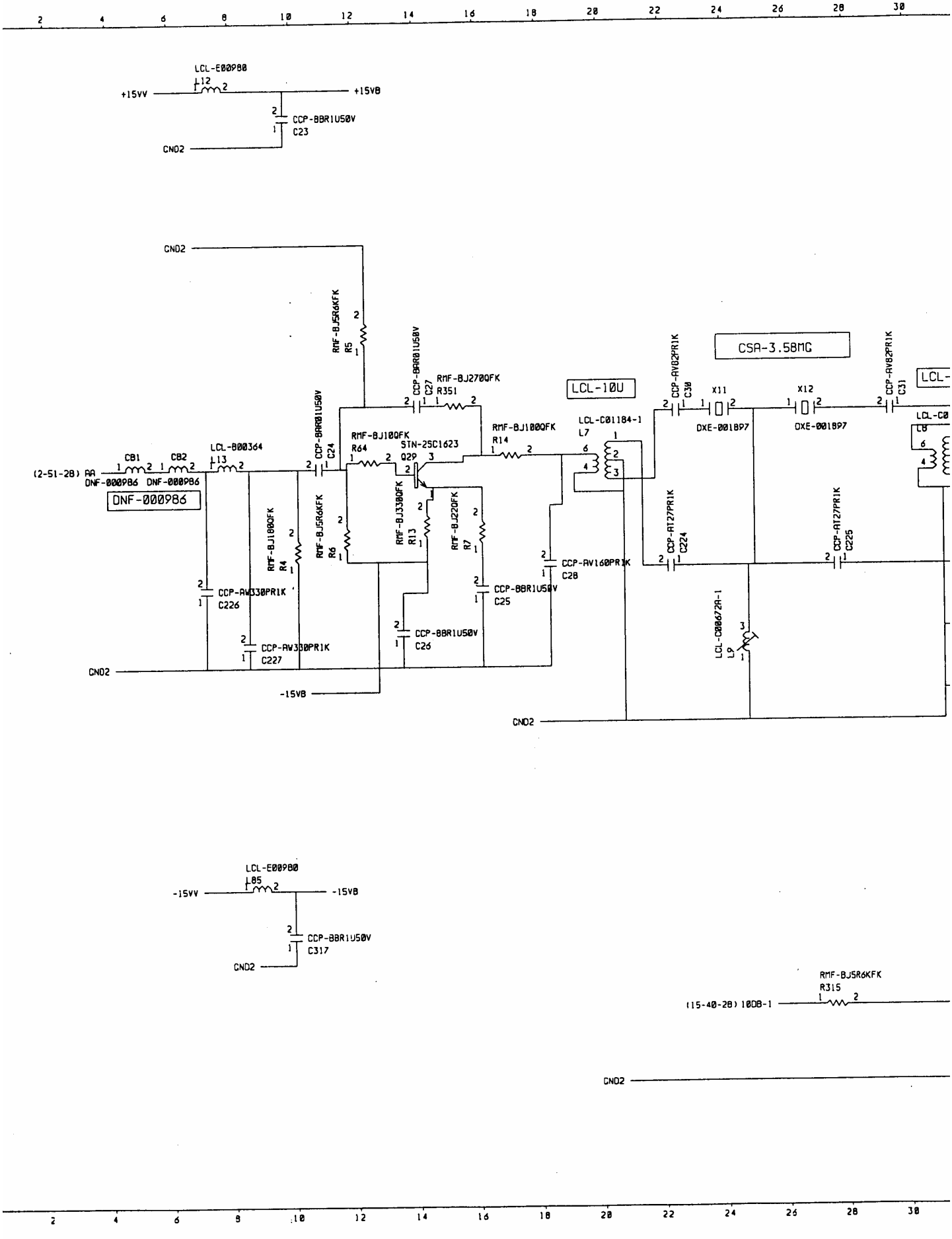
|---|---|
| BLS-017025 | 16 |
| TITLE: IF FILTER | 8.4-38 |


AA7
AA6
AA5
AA4
AA3
AA2
AA1
xCS1F1
xARD
xAWR
xACWR
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
J7
JCR-CA64PX01-1
GND
+5V
+15V
-15V
GND2
J8
JCR-CA50PX01-1
LCL-C00010
LCL-T00084A
CCK-8Y33U25V
C167
C168
C169
CCP-88R1U50V
C189
C228
TP31
TP32
TP33
TP34
JTE-AH001JX01


+15V
1
+15V
+15V
2
J8
JCR-CA50PX01-1
-15V
19
-15V
20
-15V
21
-15V
22
-15V
GND2
3
GND2
4
GND2
23
GND2
24
GND2
J8
JCR-CA50PX01-1
LCL-C00010
L71
+5V
+5VV
CCK-8Y33U25V
C167
LCL-T00084R
L72
+15V
+15VV
CCK-8Y33U25V
C168
LCL-T00084R
L73
-15V
-15VV
CCK-8Y33U25V
C169
GND2
R1U50V
CCP-8BR1U50V
C228
BLS-017025
17
TITLE
IF FILTER
8.4-39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+15VV
+15VB
CCP-BBR1U50V
C23
GND2
GND2
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R5
CCP-BBR01U50V
C27
RMF-BJ270QFK
R351
LCL-10U
CCP-AV02PR1K
C30
X11
DXE-001897
X12
DXE-001897
CCP-AV02PR1K
C31
CSA-3.58MC
LCL-
LCL-C0
L8
LCL-C01184-1
L7
RMF-BJ100QFK
R14
RMF-BJ100QFK
R64
STN-25C1623
Q29
CCP-BBR01U50V
C24
LCL-B00364
L13
CB1
CB2
(2-51-28) AA
DNF-000986
DNF-000986
DNF-000986
RMF-BJ180QFK
R4
RMF-BJ5R6KFK
R6
RMF-BJ330QFK
R13
RMF-BJ220FK
R7
CCP-AV160PR1K
C28
CCP-AT27PR1K
C224
CCP-AT27PR1K
C225
CCP-AW330PR1K
C226
CCP-BBR1U50V
C25
CCP-AW330PR1K
C227
CCP-BBR1U50V
C26
LCL-C00672R-1
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GND2
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L85
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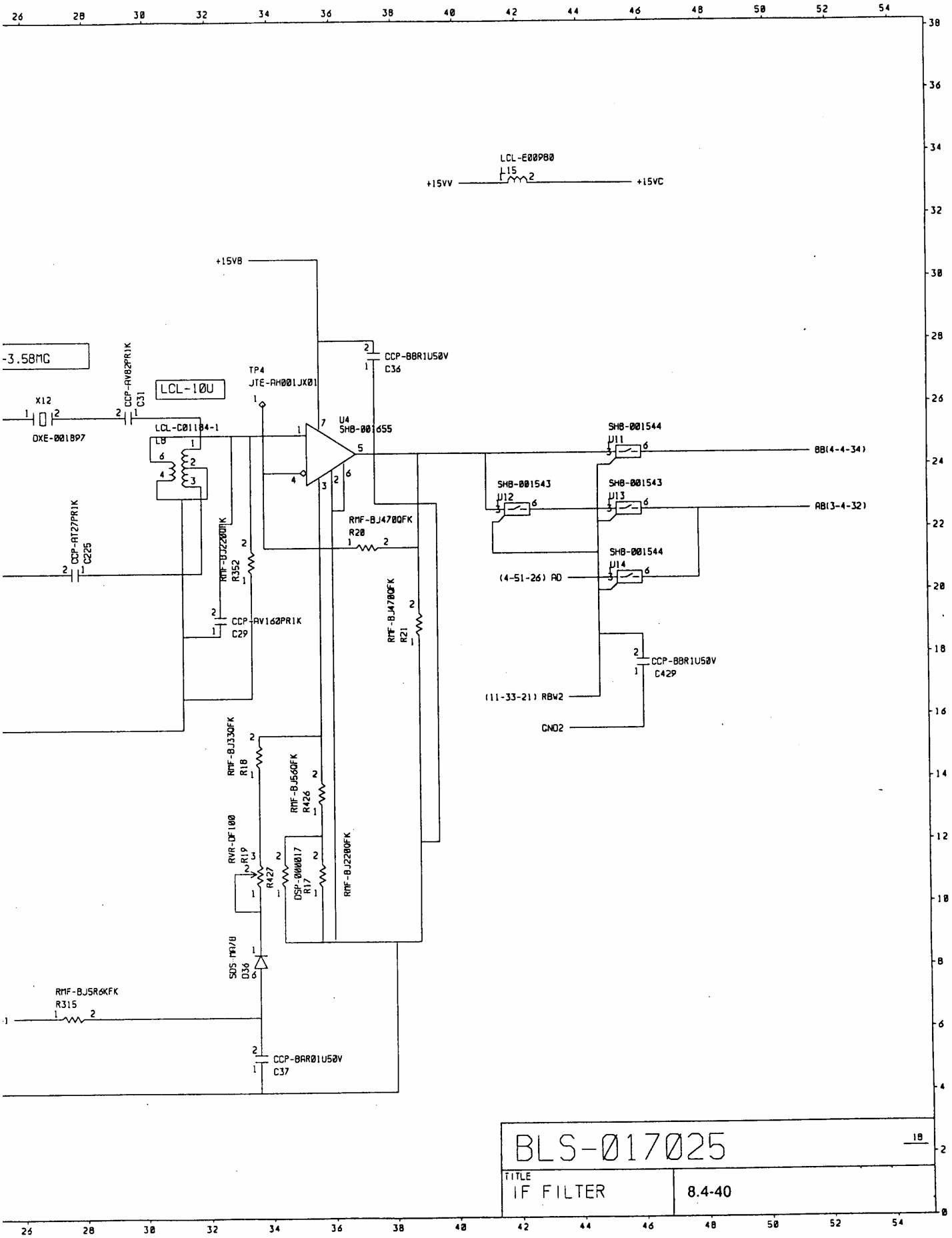
GND2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C31
LCL-C01184-1
L8
TP4
JTE-AH001JX01
U4
SHB-001655
CCP-B8R1U50V
C36
SHB-001544
U11
BB(4-4-34)
SHB-001543
U12
SHB-001543
U13
AB(3-4-32)
RMF-BJ470QFK
R20
CCP-AT27PR1K
C225
RMF-BJ2200FK
R352
CCP-AV160PR1K
C29
SHB-001544
U14
(4-51-26) AD
RMF-BJ470QFK
R21
CCP-B8R1U50V
C429
(11-33-21) RBW2
GND2
RMF-BJ330FK
R18
RMF-BJ560FK
R426
RVR-DF100
R19
R427
DSP-000017
R17
RMF-BJ220QFK
SDS MV8
D36
RMF-BJ5R6KFK
R315
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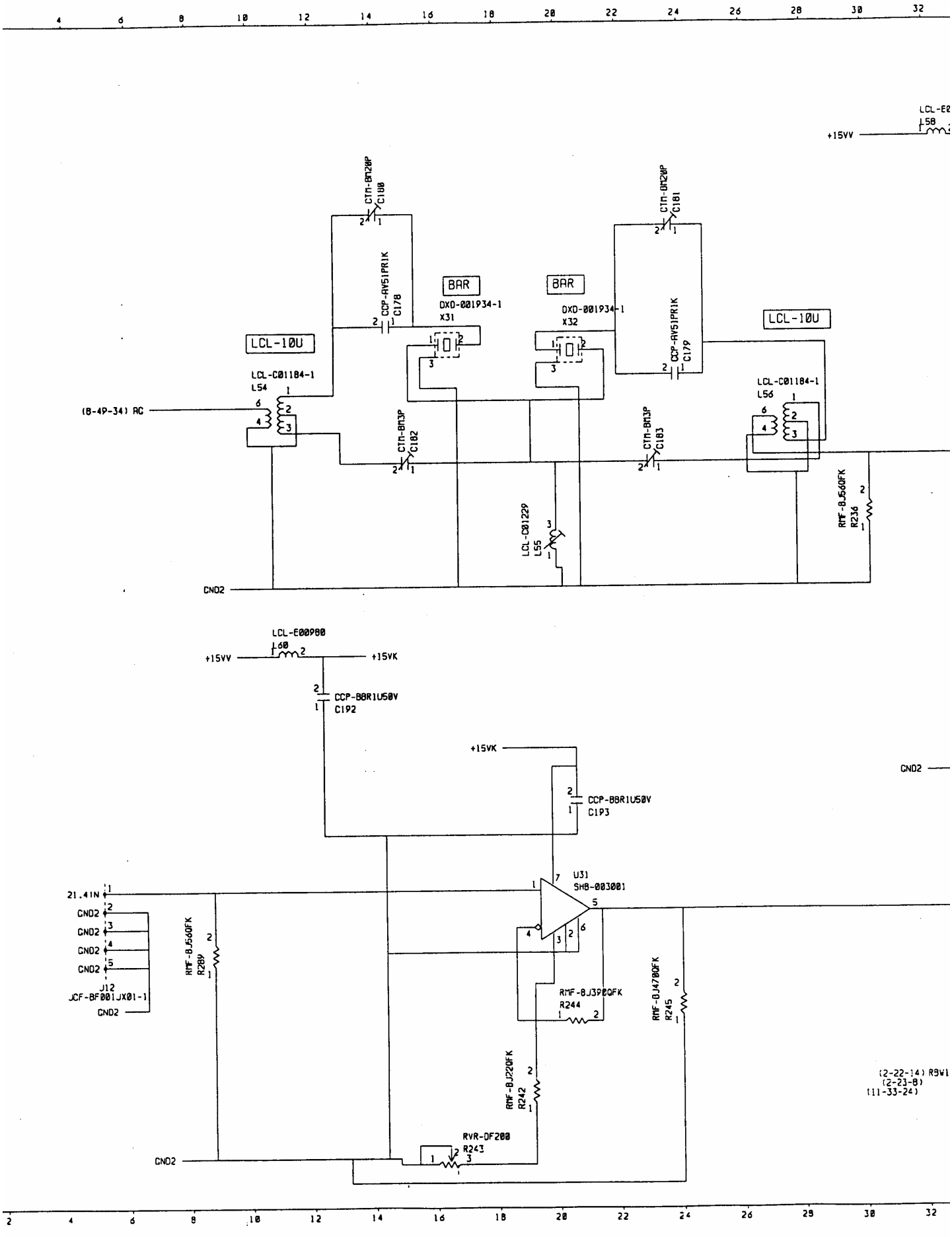
C37
BLS-017025
18
TITLE
IF FILTER
8.4-40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CCP-AV51PR1K
C178
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DXO-001934-1
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BAR
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X32
CTH-BM20P
C181
CCP-AV51PR1K
C179
LCL-10U
LCL-10U
LCL-C01184-1
L54
LCL-C01184-1
L56
(8-49-34) AC
CTH-BM3P
C182
CTH-BM3P
C183
LCL-C01229
L55
RMF-BJ560FK
R236
GND2
LCL-E00980
L60
+15VV
+15VK
CCP-B8R1U50V
C192
+15VK
CCP-B8R1U50V
C193
GND2
U31
SHB-003001
21.41N
GND2
GND2
GND2
GND2
J12
JCF-BF001JX01-1
GND2
RMF-BJ560FK
R289
RMF-BJ3R0QFK
R244
RMF-BJ470QFK
R245
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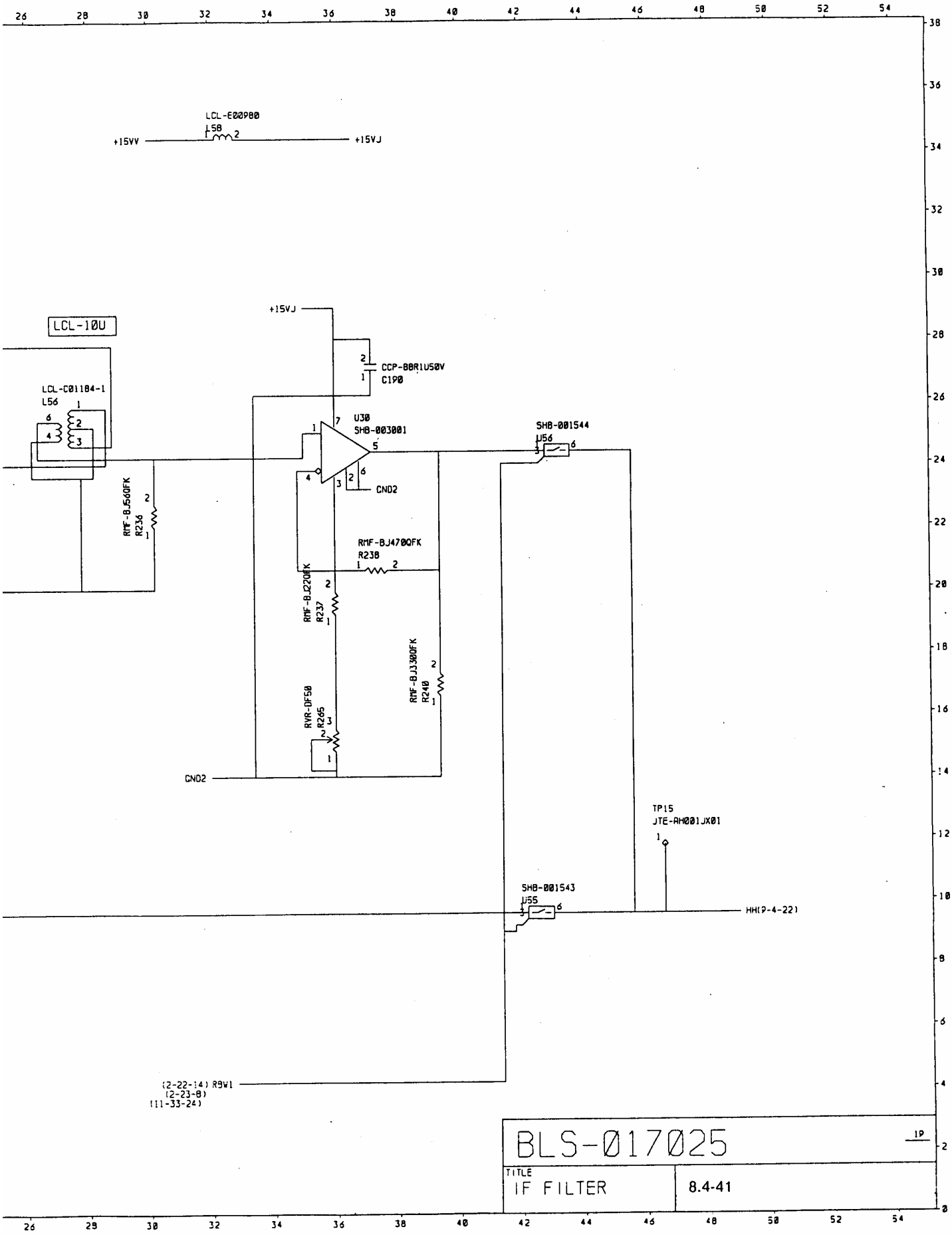
R242
RVR-DF200
R243
GND2
(2-22-14) R3W1
(2-23-8)
(11-33-24)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C190
LCL-C01184-1
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SHB-003001
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U56
CND2
RMF-BJ560FK
R236
RMF-BJ470QFK
R238
RMF-BJ220FK
R237
RMF-BJ3300FK
R240
RVR-DF50
R265
GND2
TP15
JTE-AH001JX01
SHB-001543
U55
HH(9-4-22)
(2-22-14) R9W1
(2-23-8)
(11-33-24)
BLS-017025
19
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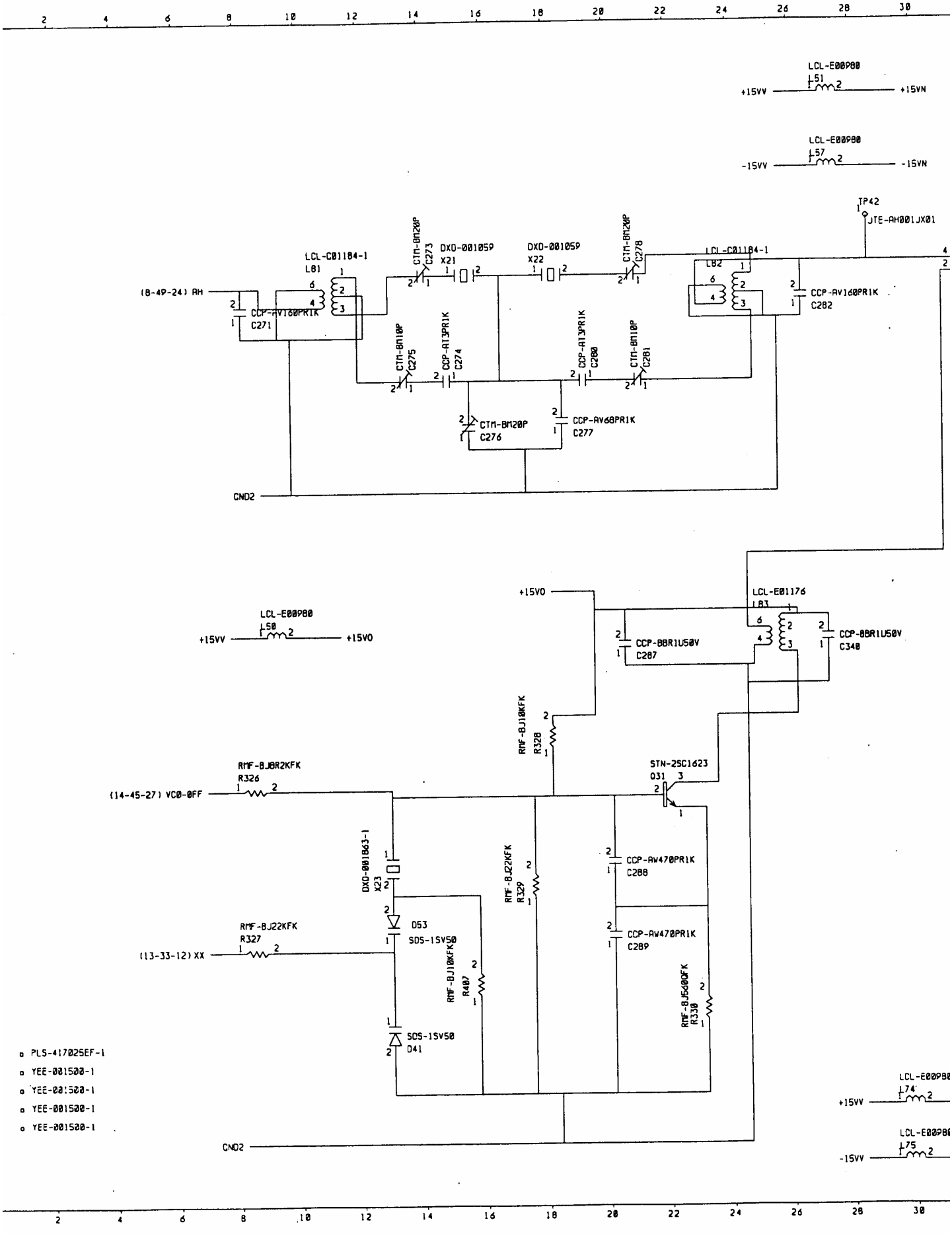
IF FILTER
8.4-41

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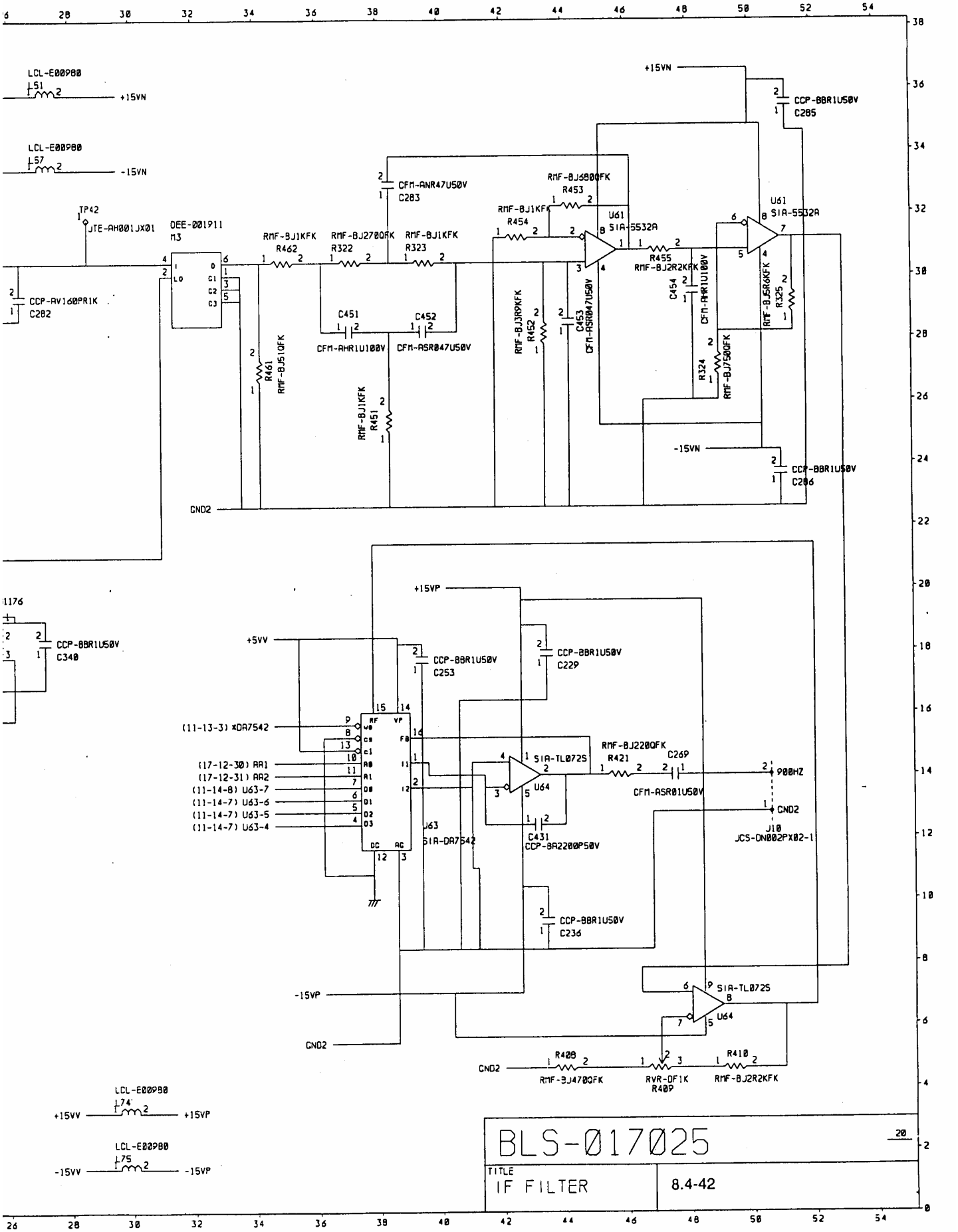
- YEE-001500-1
- YEE-001500-1
- YEE-001500-1
- YEE-001500-1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+15VN
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57
-15VN
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JTE-AH001JX01
OEE-001911
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C282
RMF-BJ1KFK
R462
RMF-BJ270QFK
R322
RMF-BJ1KFK
R323
CFM-ANR47U50V
C283
RMF-BJ680QFK
R453
RMF-BJ1KFK
R454
U61
SIA-5532A
RMF-BJ2R2KFK
R455
C454
CFM-AHR1U100V
RMF-BJ5R6KFK
R325
RMF-BJ750QFK
R324
C451
CFM-AHR1U100V
C452
CFM-ASR047U50V
RMF-BJ510FK
R461
RMF-BJ1KFK
R451
RMF-BJ3R9KFK
R452
C453
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+15VN
CCP-BBR1U50V
C285
-15VN
CCP-BBR1U50V
C286
GND2
+15VP
+5VV
CCP-BBR1U50V
C253
CCP-BBR1U50V
C229
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(17-12-30) AA1
(17-12-31) AA2
(11-14-8) U63-7
(11-14-7) U63-6
(11-14-7) U63-5
(11-14-7) U63-4
U63
SIA-DA7542
SIA-TL072S
U64
RMF-BJ220QFK
R421
C269
CFM-ASR01U50V
900HZ
GND2
J10
JCS-DN002PX02-1
C431
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CCP-BBR1U50V
C236
-15VP
GND2
SIA-TL072S
U64
R408
RMF-BJ470QFK
RVR-DF1K
R409
R410
RMF-BJ2R2KFK
CCP-BBR1U50V
C340
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75
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BLS-017025
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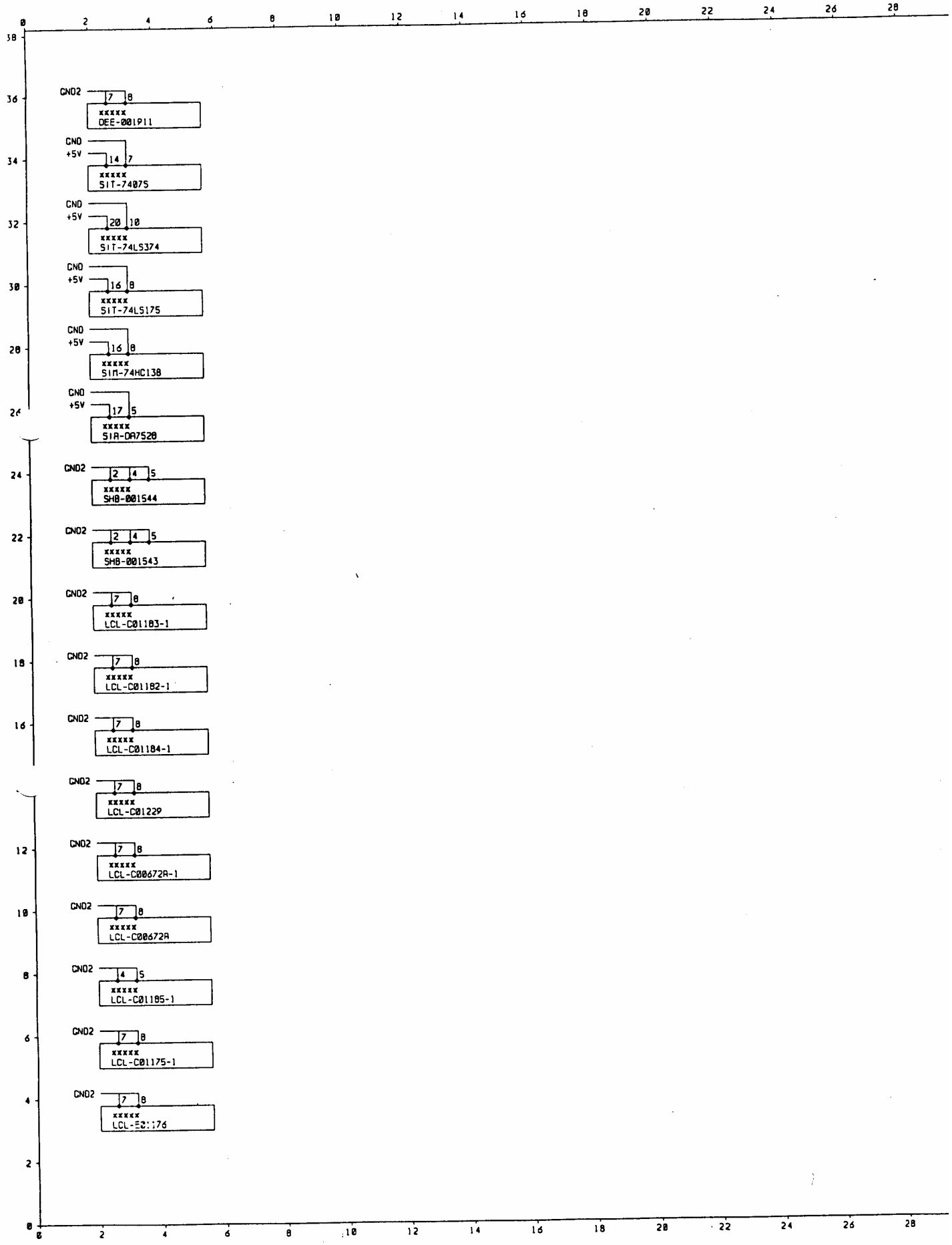
8.4-42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8
xxxxx
DEE-001P11
GND
+5V
14
7
xxxxx
SIT-7407S
GND
+5V
20
10
xxxxx
SIT-74LS374
GND
+5V
16
8
xxxxx
SIT-74LS175
GND
+5V
16
8
xxxxx
SIM-74HC138
GND
+5V
17
5
xxxxx
SIA-DA7520
GND2
2
4
5
xxxxx
SHB-001544
GND2
2
4
5
xxxxx
SHB-001543
GND2
7
8
xxxxx
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8
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GND2
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8
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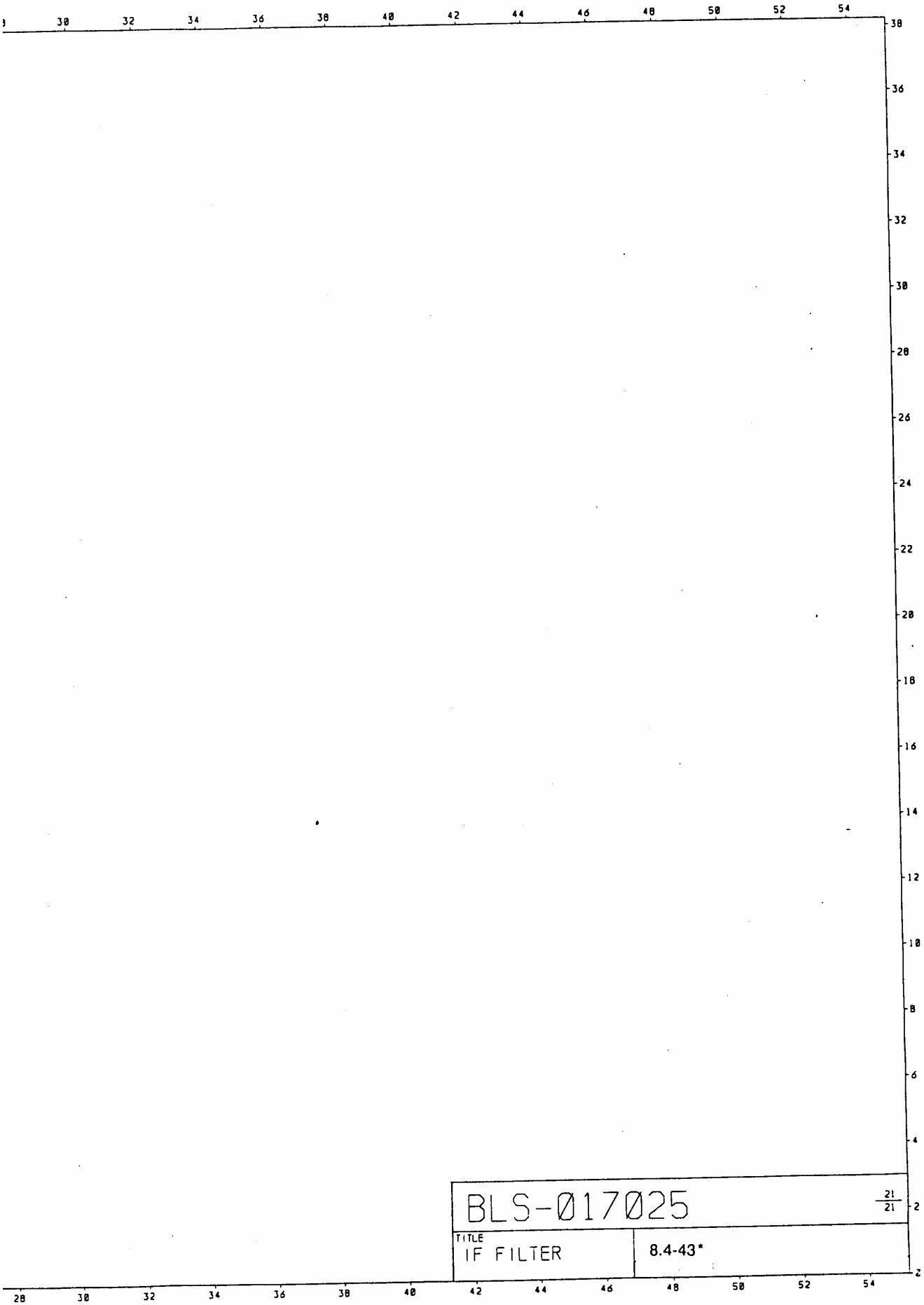

BLS-017025

21/21

TITLE
IF FILTER

8.4-43*

**R3265A/3271A**
**LOG,A/D BLOCK**
**WDL-32× ×LOG**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| | BLS-017013 | LOG AD BOARD | |
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**R3265A/3271A**
**LOG,A/D BLOCK**
**BLS-017013 (1 of 21)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| C1 -4 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C5 | CCP-BA82P50V | FXD | CHIP | 82pF | ±10% | 50V | |
| C6 -17 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C20 -21 | CMC-AC680PR3K | FXD | DIPPED MICA | 680pF | ±5% | 300V | |
| C22 -32 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C35 | CFM-AS4700P50V | FXD | FILM | 4700pF | ±10% | 50V | |
| C36 -41 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C43 | CFM-AS1000P50V | FXD | FILM | 1000pF | ±10% | 50V | |
| C45 -50 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C53 | CFM-AS4700P50V | FXD | FILM | 4700pF | ±10% | 50V | |
| C55 -58 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C60 -65 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C67 -69 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C71 -73 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C75 -79 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C80 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C81 | CCP-BA33P50V | FXD | CHIP | 33pF | ±10% | 50V | |
| C82 | CCP-BA100P50V | FXD | CHIP | 100pF | ±10% | 50V | |
| C83 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C85 -86 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C88 -94 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C95 | CCP-BBR033U50V | FXD | CHIP | 0.033μF | ±10% | 50V | |
| C96 -97 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C100 -101 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C102 | CCP-BA33P50V | FXD | CHIP | 33pF | ±10% | 50V | |
| C103 -105 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C106 -107 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C108 -110 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C111 | CCP-BA150P50V | FXD | CHIP | 150pF | ±10% | 50V | |
| C112 | CCP-BA33P50V | FXD | CHIP | 33pF | ±10% | 50V | |
| C113 | CCP-BA470P50V | FXD | CHIP | 470pF | ±10% | 50V | |
| C114 | CTA-AC3R3U16V | FXD | TA | 3.3μF | ±20% | 16V | |
| C115 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C117 | CCP-BA47P50V | FXD | CHIP | 47pF | ±10% | 50V | |
| C118 -128 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C130 | CCK-CV100U25V | FXD | ELECT | 100μF | ±20% | 25V | |
| C132 | CCK-CV100U25V | FXD | ELECT | 100μF | ±20% | 25V | |
| C133 -154 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C158 -161 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C163 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |

**R3265A/3271A**
**LOG,A/D BLOCK**
**BLS-017013 (2 of 21)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| C164 -169 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C170 -171 | CCK-BX100U10V | FXD | ELECT | 100μF | ±20% | 10V | |
| C172 -175 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C180 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C182 -183 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C185 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C186 -188 | CCP-BA150P50V | FXD | CHIP | 150pF | ±10% | 50V | |
| C189 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C190 | CTA-AC3R3U16V | FXD | TA | 3.3μF | ±20% | 16V | |
| C191 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C192 | CCP-BA220P50V | FXD | CHIP | 220pF | ±10% | 50V | |
| C193 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C201 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C202 | CCP-BA3P50V | FXD | CHIP | 3pF | ±10% | 50V | |
| C203 -205 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C206 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C207 | CCK-CX10U25V | FXD | ELECT | 10μF | ±20% | 25V | |
| C208 -212 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C213 -221 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C222 | CCP-AT13PR1K | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C223 | CCP-BA2P50V | FXD | CHIP | 2μF | ±10% | 50V | |
| C224 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C225 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C226 -228 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C229 -230 | CCK-CX10U25V | FXD | ELECT | 10μF | ±20% | 25V | |
| C231 -238 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C239 -243 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C244 | CCP-BA330P50V | FXD | CHIP | 330pF | ±10% | 50V | |
| C245 -246 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C247 | CCK-CX10U25V | FXD | ELECT | 10μF | ±20% | 25V | |
| C248 -252 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C253 -255 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C256 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C257 -258 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C259 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C260 | CCP-BA22P50V | FXD | CHIP | 22pF | ±10% | 50V | |
| C261 -262 | CCP-BA82P50V | FXD | CHIP | 82pF | ±10% | 50V | |
| C263 | CCP-BA22P50V | FXD | CHIP | 22pF | ±10% | 50V | |
| C264 -265 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C266 | CFM-BFR22U-1 | FXD | FILM | 0.22μF | ±10% | 50V | |

**R3265A/3271A**
**LOG,A/D BLOCK**
**BLS-017013 (3 of 21)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| C267 | CFM-ASR022U50V | FXD | FILM | 0.022μF | ±10% | 50V | |
| C268 | CFM-AS2200P50V | FXD | FILM | 2200pF | ±10% | 50V | |
| C269 | CCP-BA220P50V | FXD | CHIP | 220pF | ±10% | 50V | |
| C270 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C271 | CCP-BA68P50V | FXD | CHIP | 68pF | ±10% | 50V | |
| C272 -274 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C275 | CCP-BA33P50V | FXD | CHIP | 33pF | ±10% | 50V | |
| C276 -277 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C278 | CCP-BA33P50V | FXD | CHIP | 33pF | ±10% | 50V | |
| C279 -280 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C281 | CCP-BA33P50V | FXD | CHIP | 33pF | ±10% | 50V | |
| C282 -285 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C286 | CCP-BA47P50V | FXD | CHIP | 47pF | ±10% | 50V | |
| C287 | CFM-BFR47U-1 | FXD | FILM | 0.47μF | ±10% | 50V | |
| C288 -289 | CTA-AC10U16V | FXD | TA | 10μF | ±20% | 16V | |
| C290 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C291 -292 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C293 -300 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C301 | CCP-BA10P50V | FXD | CHIP | 10pF | ±10% | 50V | |
| C303 -304 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C305 -306 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C307 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C308 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C309 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C310 -311 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C312 -313 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C314 -315 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C316 | CCP-AT43PR1K | FXD | CHIP | 43pF | ±10% | 100V | |
| C317 | CCP-AT3PR1K | FXD | CHIP | 3pF | ±10% | 100V | |
| C318 -319 | CCP-BA10P50V | FXD | CHIP | 10pF | ±10% | 50V | |
| C320 -321 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C322 -323 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C324 -325 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C326 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C327 | CTA-AC3R3U16V | FXD | TA | 3.3μF | ±20% | 16V | |
| C328 -329 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C330 | CCP-BA10P50V | FXD | CHIP | 10pF | ±10% | 50V | |
| C331 -336 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C337 -338 | CCK-CX10U25V | FXD | ELECT | 10μF | ±10% | 25V | |
| C339 | CCK-CV100U25V | FXD | ELECT | 100μF | ±10% | 25V | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| C340 | CCP-BA330P50V | FXD | CHIP | 330pF | ±10% | 50V | |
| C341 | CCK-CV100U25V | FXD | ELECT | 100μF | ±10% | 25V | |
| C342 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C343 -355 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C356 -357 | CCK-CX10U25V | FXD | ELECT | 10μF | ±10% | 25V | |
| C358 | CCP-BA68P50V | FXD | CHIP | 68pF | ±10% | 50V | |
| C359 | CCP-BA330P50V | FXD | CHIP | 330pF | ±10% | 50V | |
| C360 | CFM-AS2200P50V | FXD | FILM | 2200pF | ±10% | 50V | |
| C361 -374 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C375 | CCP-BA1000P50V | FXD | CHIP | 1000pF | ±10% | 50V | |
| C376 | CCK-CX220U10V | FXD | ELECT | 220μF | ±10% | 10V | |
| C377 -381 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C382 | CCP-BA27P50V | FXD | CHIP | 27pF | ±10% | 50V | |
| C383 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C384 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C385 -388 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C389 | CCP-BA220P50V | FXD | CHIP | 220pF | ±10% | 50V | |
| C390 | CMC-AP470PR3K | FXD | DIPPED MICA | 470pF | ±5% | 300V | |
| C391 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C392 | CSM-BC91P50V | FXD | CERAMIC | 91pF | ±5% | 50V | |
| C400 | CFM-AS1000P50V | FXD | FILM | 1000pF | ±10% | 50V | |
| C401 -404 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C405 | CCP-BA15P50V | FXD | CHIP | 15pF | ±10% | 50V | |
| C406 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C407 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C408 -412 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C413 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C414 -421 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C422 | CCP-BA100P50V | FXD | CHIP | 100pF | ±10% | 50V | |
| C423 | CCP-BA33P50V | FXD | CHIP | 33pF | ±10% | 50V | |
| C424 | CCP-BA100P50V | FXD | CHIP | 100pF | ±10% | 50V | |
| C425 -435 | CCP-BAR01U50V | FXD | CHIP | 0.01μF | ±10% | 50V | |
| C436 -443 | CCP-BBR1U50V | FXD | CHIP | 0.1μF | +80%-20% | 50V | |
| C444 | CSM-AGR1U50V | FXD | CERAMIC | 0.1μF | ±10% | 50V | |
| C445 -446 | CSM-AZ120P50V | FXD | CERAMIC | 120pF | ±10% | 50V | |
| C447 -448 | CSM-AZ68P50V | FXD | CERAMIC | 68pF | ±10% | 50V | |
| D1 -4 | SDS-1SS286 | DIODE | SCHOTTKEY | | | | |
| D7 | SDS-LD1-3 | DIODE | SI | | | | |
| D8 | SDS-1SS286 | DIODE | SCHOTTKEY | | | | |
| D10 | SDS-1SS286 | DIODE | SCHOTTKEY | | | | |

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| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| D11 | SDS-1SS101 | DIODE SCHOTTKEY | |
| D12 | SDS-1SS286 | DIODE SCHOTTKEY | |
| D13 | SDS-LD1-3 | DIODE SI | |
| D15 | SDZ-H2-5 | DIODE ZENOR | |
| D16 | SDS-1SS226 | DIODE SI | |
| D17 | SDZ-H2-5 | DIODE ZENOR | |
| D18 | SDZ-M051 | DIODE CHIP ZENOR 5.1V | |
| D19 | SDS-1SS226 | DIODE SI | |
| D21 | SDS-1SS226 | DIODE SI | |
| D23 -26 | SDZ-M100 | DIODE CHIP ZENOR 10V | |
| D27 | SDZ-M051 | DIODE CHIP ZENOR 5.1V | |
| D28 | SDS-1SS226 | DIODE SI | |
| D31 | SDZ-RD5R1P | DIODE CHIP ZENOR 5.1V | |
| D32 -36 | SDS-1SS270 | DIODE SI | |
| D37 | SDS-1SV34 | DIODE PIN | |
| D38 -42 | SDS-1SS270 | DIODE SI | |
| D43 | SDS-1SS279 | DIODE SI | |
| D44 | SDS-1SV34 | DIODE PIN | |
| D45 | SDS-1SS270 | DIODE SI | |
| D46 | SDS-1SS279 | DIODE SI | |
| D47 -49 | SDS-1SS286 | DIODE SCHOTTKEY | |
| D50 -51 | SDS-1SS270 | DIODE SI | |
| D52 | SDS-LD1 | DIODE SI | |
| D53 -55 | SDS-1SS270 | DIODE SI | |
| D56 | SDS-LD1 | DIODE SI | |
| D57 | SDS-1SS270 | DIODE SI | |
| D58 -59 | SDZ-M051 | DIODE CHIP ZENOR 5.1V | |
| D60 -61 | SDZ-RD5R1P | DIODE CHIP ZENOR 5.1V | |
| D62 -69 | SDS-1SS270 | DIODE SI | |
| D70 | SDS-1SV34 | DIODE PIN | |
| D71 -74 | SDS-1SS270 | DIODE SI | |
| D76 | SDZ-M120 | DIODE CHIP ZENOR 12V | |
| D77 | SDS-1SS270 | DIODE SI | |
| D79 | SDS-1SS270 | DIODE SI | |
| D100 | SDS-1SS226 | DIODE SI | |
| D101 -102 | SDS-1SS286 | DIODE SCHOTTKEY | |
| FB1 | DEE-001484-1 | FERRITE BEAD | |
| J1 | JCR-CA50PX01 | CONNECTOR | |
| J2 | JCR-CA64PX01 | CONNECTOR | |
| J3 | JCR-AV064PX02 | CONNECTOR | |

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| Parts No. | Advantest Stock No. | Description | | Note |
|---|---|---|---|---|
| J4 | JCS-BZ003PX02 | CONNECTOR | | |
| J5 | JCS-DN002PX02-1 | CONNECTOR | | |
| J6 | JCS-DN010PX02-1 | CONNECTOR | | |
| J7 | JCS-DN002PX02-1 | CONNECTOR | | |
| J8 | JCF-BF001JX02-1 | CONNECTOR | UM | |
| J9 | JCF-BF001JX01-1 | CONNECTOR | UM | |
| J10 | JCP-BH002PX02 | CONNECTOR | | |
| J11 | JCI-DN008JX01 | IC SOCKET | | |
| J12 | JCI-CR084JX01 | IC SOCKET | | |
| J21 | JCI-DN008JX01 | IC SOCKET | | |
| JP10 -12 | DMY-000934-1 | | | |
| L1 -2 | LCL-T00084A | COIL | (CUSTOM DEVICE) | |
| L13 | LCL-B01024 | COIL | 330$\mu$H | |
| L14 | LCL-C01185 | COIL | (CUSTOM DEVICE) | |
| L15 -17 | LCL-C00010-1 | COIL | (CUSTOM DEVICE) | |
| L18 | LCL-E00958 | COIL | 4.7$\mu$H | |
| L19 | LCL-B01007 | COIL | 12$\mu$H | |
| L20 | LCL-B01010 | COIL | 22$\mu$H | |
| L21 | LCL-B01007 | COIL | 12$\mu$H | |
| L22 | LCL-E00953 | COIL | 1.2$\mu$H | |
| L23 -24 | LCL-C00010-1 | COIL | (CUSTOM DEVICE) | |
| L25 | LCL-T00084A | COIL | (CUSTOM DEVICE) | |
| L26 | LCL-B01024 | COIL | 330$\mu$H | |
| L27 | LCL-B01010 | COIL | 22$\mu$H | |
| L31 | LCL-C00010 | COIL | (CUSTOM DEVICE) | |
| Q1 | SFM-SST215S | FET | MOS | |
| Q2 | SFT-2N5564 | DUAL FET | N-JUNCTION | |
| Q3 | SFM-SST215S | FET | MOS | |
| Q4 | SFT-2N5564 | DUAL FET | N-JUNCTION | |
| Q5 | SFT-A70 | DUAL FET | N-JUNCTION | |
| Q6 | SFM-SST215S | FET | MOS | |
| Q7 | SFT-2N5564 | DUAL FET | N-JUNCTION | |
| Q8 | SFM-SST215S | FET | MOS | |
| Q9 | SFT-A70 | DUAL FET | N-JUNCTION | |
| Q10 | STN-2SC2757 | TRANSISTOR | NPN | |
| Q11 | STP-2SA1204 | TRANSISTOR | PNP | |
| Q12 | STN-2SC2884 | TRANSISTOR | NPN | |
| Q13 | STP-2SA1204 | TRANSISTOR | PNP | |
| Q14 | STP-2SA1162 | TRANSISTOR | PNP | |
| Q15 | SFM-SST215S | FET | MOS | |

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| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| Q16 | STP-FN1A4P | TRANSISTOR PNP | |
| Q17 | SFM-SST215S | FET MOS | |
| Q18 | STN-FA1A4P | TRANSISTOR NPN | |
| Q19 | STN-2SC2757 | TRANSISTOR NPN | |
| Q31 -32 | STN-2SC3356 | TRANSISTOR NPN | |
| Q33 -34 | STN-2SC2757 | TRANSISTOR NPN | |
| Q35 | STN-2SC3735B | TRANSISTOR NPN | |
| Q36 -46 | STN-FA1A4P | TRANSISTOR NPN | |
| Q47 | STN-FN1A4P | TRANSISTOR PNP | |
| Q49 | STP-2SA1462 | TRANSISTOR PNP | |
| Q50 | STN-2SC2757 | TRANSISTOR NPN | |
| Q51 | STN-2SC3735B | TRANSISTOR NPN | |
| Q52 | STP-2SA1462 | TRANSISTOR PNP | |
| Q53 | STT-MPQ6700 | TRANSISTOR ARRAY | |
| Q54 -56 | SFN-SST4859 | FET N-JUNCTION | |
| Q57 -60 | STN-2SC2712 | TRANSISTOR NPN | |
| Q62 -63 | STN-2SC2712 | TRANSISTOR NPN | |
| Q64 | STT-MPQ6700 | TRANSISTOR ARRAY | |
| Q68 | STN-2SC3356 | TRANSISTOR NPN | |
| Q69 -70 | STN-2SC2757 | TRANSISTOR NPN | |
| Q71 | STN-2SC2884 | TRANSISTOR NPN | |
| Q72 | STP-2SA1204 | TRANSISTOR PNP | |
| Q73 | STN-2SC2712 | TRANSISTOR NPN | |
| Q74 | STP-2SA1162 | TRANSISTOR PNP | |
| Q75 -77 | STN-2SC2712 | TRANSISTOR NPN | |
| Q78 | STP-2SA1162 | TRANSISTOR PNP | |
| Q79 | STN-2SC2712 | TRANSISTOR NPN | |
| Q80 | STN-2SC2884 | TRANSISTOR NPN | |
| Q81 | STN-2SC2757 | TRANSISTOR NPN | |
| Q83 | STN-FA1A4P | TRANSISTOR NPN | |
| Q84 -85 | STN-2SC2712 | TRANSISTOR NPN | |
| Q86 | STN-2SC2884 | TRANSISTOR NPN | |
| Q87 -91 | STN-2SC2712 | TRANSISTOR NPN | |
| Q92 | STP-2SA1463 | TRANSISTOR PNP | |
| Q93 | STN-FA1A4P | TRANSISTOR NPN | |
| Q94 | STP-FN1A4P | TRANSISTOR PNP | |
| Q95 -97 | STN-2SC2712 | TRANSISTOR NPN | |
| Q98 -99 | STN-2SC2884 | TRANSISTOR NPN | |
| Q100 | STN-2SC2757 | TRANSISTOR NPN | |
| Q101 | STP-2SA1462 | TRANSISTOR PNP | |

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**LOG,A/D BLOCK**
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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| Q102 -103 | STN-2SC2712 | TRANSISTOR | NPN | | | | |
| Q104 | STN-2SC2757 | TRANSISTOR | NPN | | | | |
| Q105 | SFN-SST4393 | FET | N-JUNCTION | | | | |
| Q106 | SFN-SST4859 | FET | N-JUNCTION | | | | |
| Q107 | SFN-2N4859-18 | FET | N-JUNCTION | | | | |
| R1 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R2 | RCB-AG1M | FXD | CAR | 1MΩ | ±5% | 1/6W | |
| R3 -4 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R5 -6 | RMF-TC18KFJ | FXD | METAL FLM | 18Ω | ±1% | 1/4W | |
| R7 | RMF-TC1KFJ | FXD | METAL FLM | 1kΩ | ±1% | 1/4W | |
| R8 | RMF-TC220QFJ | FXD | METAL FLM | 220Ω | ±1% | 1/4W | |
| R9 | RMF-TC1R5KFJ | FXD | METAL FLM | 1.5kΩ | ±1% | 1/4W | |
| R10 | RMF-TC150QFJ | FXD | METAL FLM | 150Ω | ±1% | 1/4W | |
| R11 | RVR-DR1K | VAR | | 1kΩ | ±20% | 1/2W | |
| R12 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |
| R13 | RMF-TC220QFJ | FXD | METAL FLM | 220Ω | ±1% | 1/4W | |
| R14 | RMF-TC1R5KFJ | FXD | METAL FLM | 1.5kΩ | ±1% | 1/4W | |
| R15 | RMF-TC150QFJ | FXD | METAL FLM | 150Ω | ±1% | 1/4W | |
| R16 | RVR-DR1K | VAR | | 1kΩ | ±20% | 1/2W | |
| R17 | RCB-AG5R1K | FXD | CAR | 5.1kΩ | ±5% | 1/6W | |
| R18 | RCB-AG1M | FXD | CAR | 1MΩ | ±5% | 1/6W | |
| R19 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ±5% | 1/6W | |
| R20 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R21 -22 | RCB-AG180 | FXD | CAR | 180Ω | ±5% | 1/6W | |
| R24 | RCB-AG1M | FXD | CAR | 1MΩ | ±5% | 1/6W | |
| R25 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ±5% | 1/6W | |
| R26 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R27 -28 | RCB-AG180 | FXD | CAR | 180Ω | ±5% | 1/6W | |
| R29 -30 | RCB-AG47 | FXD | CAR | 47Ω | ±5% | 1/6W | |
| R31 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |
| R33 | RCB-AG1M | FXD | CAR | 1MΩ | ±5% | 1/6W | |
| R34 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R35 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R36 -37 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R38 | RCB-AG47 | FXD | CAR | 47Ω | ±5% | 1/6W | |
| R39 | RMF-TC220QFJ | FXD | METAL FLM | 220Ω | ±1% | 1/4W | |
| R40 | RMF-TC1R5KFJ | FXD | METAL FLM | 1.5kΩ | ±1% | 1/4W | |
| R41 | RMF-TC150QFJ | FXD | METAL FLM | 150Ω | ±1% | 1/4W | |
| R42 | RVR-DR1K | VAR | | 1kΩ | ±20% | 1/2W | |
| R43 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R45 | RCB-AG1M | FXD | CAR | 1MΩ | ±5% | 1/6W | |
| R46 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R47 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R49 -50 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R51 -52 | RCB-AG180 | FXD | CAR | 180Ω | ±5% | 1/6W | |
| R54 | RCB-AG1M | FXD | CAR | 1MΩ | ±5% | 1/6W | |
| R55 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R56 | RMF-TC390QFJ | FXD | METAL FLM | 390Ω | ±1% | 1/4W | |
| R57 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R58 | RMF-TC1R5KFJ | FXD | METAL FLM | 1.5kΩ | ±1% | 1/4W | |
| R59 -60 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R62 | RMF-TC220QFJ | FXD | METAL FLM | 220Ω | ±1% | 1/4W | |
| R63 | RMF-TC1R8KFJ | FXD | METAL FLM | 1.8kΩ | ±1% | 1/4W | |
| R64 | RMF-TC180QFJ | FXD | METAL FLM | 180Ω | ±1% | 1/4W | |
| R65 | RCB-AG39K | FXD | CAR | 39kΩ | ±5% | 1/6W | |
| R66 | RCB-AG3R3K | FXD | CAR | 3.3kΩ | ±5% | 1/6W | |
| R67 | RVR-DR1K | VAR | | 1kΩ | ±20% | 1/2W | |
| R68 | RMF-TC470QFJ | FXD | METAL FLM | 470Ω | ±1% | 1/4W | |
| R69 | RMF-TC22QFJ | FXD | METAL FLM | 22Ω | ±1% | 1/4W | |
| R70 | RMF-TC3R9KFJ | FXD | METAL FLM | 3.9kΩ | ±1% | 1/4W | |
| R71 | RMF-TC510QFJ | FXD | METAL FLM | 510Ω | ±1% | 1/4W | |
| R72 | RMF-TC18QFJ | FXD | METAL FLM | 18Ω | ±1% | 1/4W | |
| R73 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R74 | RCB-AG1M | FXD | CAR | 1MΩ | ±5% | 1/6W | |
| R75 -77 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R78 | RMF-TC47KFJ | FXD | METAL FLM | 47kΩ | ±1% | 1/4W | |
| R79 | RMF-TC620QFJ | FXD | METAL FLM | 620Ω | ±1% | 1/4W | |
| R81 | RCB-AG4R7K | FXD | CAR | 4.7kΩ | ±5% | 1/6W | |
| R82 | RMF-TC2KFJ | FXD | METAL FLM | 2kΩ | ±1% | 1/4W | |
| R83 | RMF-TC100QFJ | FXD | METAL FLM | 100Ω | ±1% | 1/4W | |
| R84 | RVR-DR500 | VAR | | 500Ω | ±20% | 1/2W | |
| R85 | RMF-TC51QFJ | FXD | METAL FLM | 51Ω | ±1% | 1/4W | |
| R86 | RMF-TC3R3KFJ | FXD | METAL FLM | 3.3kΩ | ±1% | 1/4W | |
| R87 | RMF-TC1KFJ | FXD | METAL FLM | 1kΩ | ±1% | 1/4W | |
| R88 | RMF-TC2R7KFJ | FXD | METAL FLM | 2.7kΩ | ±1% | 1/4W | |
| R89 | RMF-TC1KFJ | FXD | METAL FLM | 1kΩ | ±1% | 1/4W | |
| R90 | RMF-TC560QFJ | FXD | METAL FLM | 560Ω | ±1% | 1/4W | |
| R91 -93 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R94 | RMF-TC2KFJ | FXD | METAL FLM | 2kΩ | ±1% | 1/4W | |
| R95 | RMF-TC2R7KFJ | FXD | METAL FLM | 2.7kΩ | ±1% | 1/4W | |

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**LOG,A/D BLOCK**
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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R96 | RCB-AG33K | FXD | CAR | 33kΩ | ±5% | 1/6W | |
| R97 | RMF-TC330QFJ | FXD | METAL FLM | 330Ω | ±1% | 1/4W | |
| R98 -99 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R100 | RMF-TC56QFJ | FXD | METAL FLM | 56Ω | ±1% | 1/4W | |
| R101 | RMF-TC100QFJ | FXD | METAL FLM | 100Ω | ±1% | 1/4W | |
| R102 | RCB-AG820 | FXD | CAR | 820Ω | ±5% | 1/6W | |
| R103 | RMF-TC15QFJ | FXD | METAL FLM | 15Ω | ±1% | 1/4W | |
| R104 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R105 | RCB-AG470 | FXD | CAR | 470Ω | ±5% | 1/6W | |
| R106 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R109 | RCB-AG470 | FXD | CAR | 470Ω | ±5% | 1/6W | |
| R110 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R111 | RVR-DF5K | VAR | | 5kΩ | ±20% | 1/2W | |
| R112 | RCB-AG470 | FXD | CAR | 470Ω | ±5% | 1/6W | |
| R113 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |
| R114 | RCB-AG3R3K | FXD | CAR | 3.3kΩ | ±5% | 1/6W | |
| R115 | RAY-TL3R3K4 | RA | | 3.3kΩ | | | |
| R116 | RCB-AG3R9K | FXD | CAR | 3.9kΩ | ±5% | 1/6W | |
| R118 | RMF-TC2R7KFJ | FXD | METAL FLM | 2.7kΩ | ±1% | 1/4W | |
| R119 | RMF-TC33QFJ | FXD | METAL FLM | 33Ω | ±1% | 1/4W | |
| R120 | RMF-TC2KFJ | FXD | METAL FLM | 2kΩ | ±1% | 1/4W | |
| R121 | RVR-DF50K | VAR | | 50kΩ | ±20% | 1/2W | |
| R122 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |
| R123 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R124 | RCB-AG150 | FXD | CAR | 150Ω | ±5% | 1/6W | |
| R125 | RCB-AG220 | FXD | CAR | 220Ω | ±5% | 1/6W | |
| R126 | RAY-AL4R7K6 | RA | | 4.7kΩ | | | |
| R131 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R134 | RCB-AG220 | FXD | CAR | 220Ω | ±5% | 1/6W | |
| R135 | RCB-AG1R5K | FXD | CAR | 1.5kΩ | ±5% | 1/6W | |
| R136 | RCB-AG470K | FXD | CAR | 470kΩ | ±5% | 1/6W | |
| R137 | RCB-AG15K | FXD | CAR | 15kΩ | ±5% | 1/6W | |
| R138 | RCB-AG5R1K | FXD | CAR | 5.1kΩ | ±5% | 1/6W | |
| R139 | RCB-AG470 | FXD | CAR | 470Ω | ±5% | 1/6W | |
| R140 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R141 -142 | RCB-AG470 | FXD | CAR | 470Ω | ±5% | 1/6W | |
| R143 | RCB-AG3R9K | FXD | CAR | 3.9kΩ | ±5% | 1/6W | |
| R144 -145 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R146 | RCB-AG680 | FXD | CAR | 680Ω | ±5% | 1/6W | |
| R149 | RCB-AG470 | FXD | CAR | 470Ω | ±5% | 1/6W | |

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**LOG,A/D BLOCK**
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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R150 | RCB-AG150 | FXD | CAR | 150Ω | ±5% | 1/6W | |
| R151 -152 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R153 | RCB-AG680K | FXD | CAR | 680Ω | ±5% | 1/6W | |
| R155 | RMF-TC3R9KFJ | FXD | METAL FLM | 3.9kΩ | ±1% | 1/4W | |
| R156 | RMF-TC1R5KFJ | FXD | METAL FLM | 1.5kΩ | ±1% | 1/4W | |
| R157 | RVR-DR1K | VAR | | 1kΩ | ±20% | 1/2W | |
| R158 | RMF-TC1R2KFJ | FXD | METAL FLM | 1.2kΩ | ±1% | 1/4W | |
| R159 | RMF-TC51QFJ | FXD | METAL FLM | 51Ω | ±1% | 1/4W | |
| R160 | RMF-TC1KFJ | FXD | METAL FLM | 1kΩ | ±1% | 1/4W | |
| R161 | RMF-TC10KFJ | FXD | METAL FLM | 10kΩ | ±1% | 1/4W | |
| R162 | RMF-TC2KFJ | FXD | METAL FLM | 2kΩ | ±1% | 1/4W | |
| R163 | RMF-TC6R8KFJ | FXD | METAL FLM | 6.8kΩ | ±1% | 1/4W | |
| R164 | RMF-TC1R2KFJ | FXD | METAL FLM | 1.2kΩ | ±1% | 1/4W | |
| R165 | RMF-TC2KFJ | FXD | METAL FLM | 2kΩ | ±1% | 1/4W | |
| R166 -167 | RCB-AG1R8K | FXD | CAR | 1.8kΩ | ±5% | 1/6W | |
| R168 -169 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R170 | RCB-AG18K | FXD | CAR | 18kΩ | ±5% | 1/6W | |
| R171 | RCB-AG4R7K | FXD | CAR | 4.7kΩ | ±5% | 1/6W | |
| R172 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R173 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R176 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R177 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R178 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R179 | RAY-TL10K4 | RA | | 10kΩ | | | |
| R180 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R182 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R184 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R186 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R187 | RAY-TL10K4 | RA | | 10kΩ | | | |
| R188 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R190 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R192 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R193 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R194 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R195 -196 | RCB-AG10 | FXD | CAR | 10Ω | ±5% | 1/6W | |
| R197 -199 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R200 | RMF-TC100KFJ | FXD | METAL FLM | 100kΩ | ±1% | 1/4W | |
| R202 | RCB-AG51 | FXD | CAR | 51Ω | ±5% | 1/6W | |
| R203 -204 | RCB-AG6R8K | FXD | CAR | 6.8kΩ | ±5% | 1/6W | |
| R205 | RCB-AG27 | FXD | CAR | 27Ω | ±5% | 1/6W | |

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**LOG,A/D BLOCK**
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| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| R206 | RCB-AG180 | FXD | CAR | 180Ω | ±5% 1/6W | |
| R207 | RCB-AG220 | FXD | CAR | 220Ω | ±5% 1/6W | |
| R208 | REE-AT202S100 | METAL FLM | | 100Ω | 2000ppm/°C 1/8W | |
| R209 | RCB-AG180 | FXD | CAR | 180Ω | ±5% 1/6W | |
| R210 | RCP-AH100 | FXD | CHIP | 100Ω | ±5% 1/8W | |
| R211 | RCB-AG820 | FXD | CAR | 820Ω | ±5% 1/6W | |
| R212 | REE-AT202S1K | METAL FLM | | 1kΩ | 2000ppm/°C 1/8W | |
| R213 | RMF-BJ390QFK | FXD | METAL FLM | 390Ω | ±1% 1/8W | |
| R214 | RMF-BJ180QFK | FXD | METAL FLM | 180Ω | ±1% 1/8W | |
| R215 | RCP-AH56 | FXD | CHIP | 56Ω | ±5% 1/8W | |
| R216 -218 | RCB-AG56 | FXD | CAR | 56Ω | ±5% 1/6W | |
| R219 -222 | RCB-AG820 | FXD | CAR | 820Ω | ±5% 1/6W | |
| R223 -227 | RCB-AG100K | FXD | CAR | 100kΩ | ±5% 1/6W | |
| R228 -229 | RCP-AH10K | FXD | CHIP | 10kΩ | ±5% 1/8W | |
| R230 | RCB-AG330 | FXD | CAR | 330Ω | ±5% 1/6W | |
| R231 | RCP-AH1R5K | FXD | CHIP | 1.5kΩ | ±5% 1/8W | |
| R232 | RCP-AH47 | FXD | CHIP | 47Ω | ±5% 1/8W | |
| R233 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ±5% 1/6W | |
| R234 | RCB-AG220 | FXD | CAR | 220Ω | ±5% 1/6W | |
| R235 -236 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% 1/6W | |
| R237 | RCB-AG27 | FXD | CAR | 27Ω | ±5% 1/6W | |
| R238 | RCP-AH390 | FXD | CHIP | 390Ω | ±5% 1/8W | |
| R239 | RVR-DT500 | VAR | | 500Ω | ±20% 1/2W | |
| R240 | RCB-AG470 | FXD | CAR | 470Ω | ±5% 1/6W | |
| R241 -245 | RCB-AG56 | FXD | CAR | 56Ω | ±5% 1/6W | |
| R246 -250 | RCB-AG820 | FXD | CAR | 820Ω | ±5% 1/6W | |
| R251 -255 | RCB-AG100K | FXD | CAR | 100kΩ | ±5% 1/6W | |
| R257 | RMF-BJ470QFK | FXD | METAL FLM | 470Ω | ±1% 1/8W | |
| R258 | RCB-AG820 | FXD | CAR | 820Ω | ±5% 1/6W | |
| R259 | RCB-AG390 | FXD | CAR | 390Ω | ±5% 1/6W | |
| R260 | RMF-BJ27QFK | FXD | METAL FLM | 27Ω | ±1% 1/8W | |
| R261 | RMF-BJ100QFK | FXD | METAL FLM | 100Ω | ±1% 1/8W | |
| R262 | RMF-BJ100KFK | FXD | METAL FLM | 100kΩ | ±1% 1/8W | |
| R263 -264 | RCB-AG3R9K | FXD | CAR | 3.9kΩ | ±5% 1/6W | |
| R265 | REE-AV220 | METAL FLM | | 220Ω | 2000ppm/°C 1/8W | |
| R269 | RCP-AH100 | FXD | CHIP | 100Ω | ±5% 1/8W | |
| R270 | RCP-AH47K | FXD | CHIP | 47kΩ | ±5% 1/8W | |
| R271 | RCP-AH100K | FXD | CHIP | 100kΩ | ±5% 1/8W | |
| R272 | RCB-AG820 | FXD | CAR | 820Ω | ±5% 1/6W | |
| R273 | RCB-AG100 | FXD | CAR | 100Ω | ±5% 1/6W | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R276 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R277 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R278 | RCB-AG560 | FXD | CAR | 560Ω | ±5% | 1/6W | |
| R279 | RCB-AG27 | FXD | CAR | 27Ω | ±5% | 1/6W | |
| R280 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R281 | RCB-AG10 | FXD | CAR | 10Ω | ±5% | 1/6W | |
| R282 | RCB-AG560 | FXD | CAR | 560Ω | ±5% | 1/6W | |
| R283 -284 | RMF-BJ10KFK | FXD | METAL FLM | 10kΩ | ±1% | 1/8W | |
| R285 | RCP-AM18K | FXD | CHIP | 18kΩ | ±1% | 1/8W | |
| R286 -287 | RMF-BJ100QFK | FXD | METAL FLM | 100Ω | ±1% | 1/8W | |
| R288 | RCP-AM470Q | FXD | CHIP | 470Ω | ±1% | 1/8W | |
| R290 | RMF-BJ680KFK | FXD | METAL FLM | 680kΩ | ±1% | 1/8W | |
| R291 | RMF-BJ390KFK | FXD | METAL FLM | 390kΩ | ±1% | 1/8W | |
| R292 | RMF-BJ680QFK | FXD | METAL FLM | 680Ω | ±1% | 1/8W | |
| R293 | RMF-BJ390QFK | FXD | METAL FLM | 390Ω | ±1% | 1/8W | |
| R294 -296 | RCB-AG100K | FXD | CAR | 100kΩ | ±5% | 1/6W | |
| R297 -300 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R301 -304 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |
| R305 -306 | RCP-AM5R6K | FXD | CHIP | 5.6kΩ | ±1% | 1/8W | |
| R307 -308 | RCB-AG47K | FXD | CAR | 47kΩ | ±5% | 1/6W | |
| R309 | RMF-BJ1R5KFK | FXD | METAL FLM | 1.5kΩ | ±1% | 1/8W | |
| R312 | RMF-BJ330QFK | FXD | METAL FLM | 330Ω | ±1% | 1/8W | |
| R313 | RMF-BJ120QFK | FXD | METAL FLM | 120Ω | ±1% | 1/8W | |
| R314 | RMF-BJ1R8KFK | FXD | METAL FLM | 1.8kΩ | ±1% | 1/8W | |
| R315 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R317 -318 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R321 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |
| R322 | RCP-AM7R5K | FXD | CHIP | 7.5kΩ | ±1% | 1/8W | |
| R323 | RVR-DF1K | VAR | | 1kΩ | ±20% | 1/2W | |
| R324 | RCP-AM5R6K | FXD | CHIP | 5.6kΩ | ±1% | 1/8W | |
| R325 | RCB-AG470 | FXD | CAR | 470Ω | ±5% | 1/6W | |
| R326 | RCP-AM390Q | FXD | CHIP | 390Ω | ±1% | 1/8W | |
| R327 | RMF-BJ7R5KFK | FXD | METAL FLM | 7.5kΩ | ±1% | 1/8W | |
| R328 | RCP-AM5R6K | FXD | CHIP | 5.6kΩ | ±1% | 1/8W | |
| R329 | RCP-AM390Q | FXD | CHIP | 390Ω | ±1% | 1/8W | |
| R330 | RMF-BJ7R5KFK | FXD | METAL FLM | 7.5kΩ | ±1% | 1/8W | |
| R331 | RCP-AM5R6K | FXD | CHIP | 5.6kΩ | ±1% | 1/8W | |
| R332 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R333 | RCB-AG680 | FXD | CAR | 680Ω | ±5% | 1/6W | |
| R334 | RCP-AH1M | FXD | CHIP | 1MΩ | ±5% | 1/8W | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R335 | RCP-AH820K | FXD | CHIP | 820kΩ | ±5% | 1/8W | |
| R336 | RCP-AH680K | FXD | CHIP | 680kΩ | ±5% | 1/8W | |
| R337 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ±5% | 1/6W | |
| R338 | RCP-AH100K | FXD | CHIP | 100kΩ | ±5% | 1/8W | |
| R339 | RMF-BJ270QFK | FXD | METAL FLM | 270Ω | ±1% | 1/8W | |
| R340 | RMF-BJ22KFK | FXD | METAL FLM | 22kΩ | ±1% | 1/8W | |
| R341 | RCP-AH15K | FXD | CHIP | 15kΩ | ±5% | 1/8W | |
| R342 | RCP-AH27K | FXD | CHIP | 27kΩ | ±5% | 1/8W | |
| R343 | RCB-AG27K | FXD | CAR | 27kΩ | ±5% | 1/6W | |
| R344 | RCP-AH15K | FXD | CHIP | 15kΩ | ±5% | 1/8W | |
| R345 | RMF-BJ180QFK | FXD | METAL FLM | 180Ω | ±1% | 1/8W | |
| R346 | RMF-BJ1R8KFK | FXD | METAL FLM | 1.8kΩ | ±1% | 1/8W | |
| R347 | RMF-BJ68KFK | FXD | METAL FLM | 68kΩ | ±1% | 1/8W | |
| R348 | RCP-AM1K | FXD | CHIP | 1kΩ | ±1% | 1/8W | |
| R349 | RMF-BJ33KFK | FXD | METAL FLM | 33kΩ | ±1% | 1/8W | |
| R350 | RMF-BJ1MFK | FXD | METAL FLM | 1MΩ | ±1% | 1/8W | |
| R351 | RCP-AM100K | FXD | CHIP | 100kΩ | ±1% | 1/8W | |
| R352 | RCP-AM6R8K | FXD | CHIP | 6.8kΩ | ±1% | 1/8W | |
| R353 | REE-AR510 | METAL FLM | | 510Ω | 3300ppm/°C | 1/4W | |
| R354 | RCP-AH3R9K | FXD | CHIP | 3.9kΩ | ±5% | 1/8W | |
| R355 | RCP-AM12K | FXD | CHIP | 12kΩ | ±1% | 1/8W | |
| R356 | RMF-BJ1R5KFK | FXD | METAL FLM | 1.5kΩ | ±1% | 1/8W | |
| R357 -358 | RCP-AH22 | FXD | CHIP | 22Ω | ±5% | 1/8W | |
| R359 | RMF-BJ82KFK | FXD | METAL FLM | 82kΩ | ±1% | 1/8W | |
| R360 | RCP-AM6R8K | FXD | CHIP | 6.8kΩ | ±1% | 1/8W | |
| R361 | RCP-AM1R2K | FXD | CHIP | 1.2kΩ | ±1% | 1/8W | |
| R362 | RCP-AM15K | FXD | CHIP | 15kΩ | ±1% | 1/8W | |
| R363 | RCB-AG1M | FXD | CAR | 1MΩ | ±5% | 1/6W | |
| R364 | RCB-AG1R5K | FXD | CAR | 1.5kΩ | ±5% | 1/6W | |
| R365 | RCB-AG100K | FXD | CAR | 100kΩ | ±5% | 1/6W | |
| R367 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R369 | RCB-AG1M | FXD | CAR | 1MΩ | ±5% | 1/6W | |
| R370 | RCB-AG27 | FXD | CAR | 27Ω | ±5% | 1/6W | |
| R371 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R372 | RCB-AG5R1K | FXD | CAR | 5.1kΩ | ±5% | 1/6W | |
| R373 | RCP-AH390 | FXD | CHIP | 390Ω | ±5% | 1/8W | |
| R374 | RCP-AH5R6K | FXD | CHIP | 5.6kΩ | ±5% | 1/8W | |
| R375 | RCB-AG10 | FXD | CAR | 10Ω | ±5% | 1/6W | |
| R376 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R377 | RCP-AH10K | FXD | CHIP | 10kΩ | ±5% | 1/8W | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R378 | RCB-AG560 | FXD | CAR | 560Ω | ±5% | 1/6W | |
| R379 | RCB-AG51 | FXD | CAR | 51Ω | ±5% | 1/6W | |
| R380 -381 | RCB-AG3R9K | FXD | CAR | 3.9kΩ | ±5% | 1/6W | |
| R382 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R383 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ±5% | 1/6W | |
| R384 | RCP-AH1M | FXD | CHIP | 1MΩ | ±5% | 1/8W | |
| R385 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |
| R386 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R387 | RCB-AG33K | FXD | CAR | 33kΩ | ±5% | 1/6W | |
| R388 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R389 | RCB-AG56K | FXD | CAR | 56kΩ | ±5% | 1/6W | |
| R390 -391 | RCP-AH12K | FXD | CHIP | 12kΩ | ±5% | 1/8W | |
| R392 | RCP-AH1M | FXD | CHIP | 1MΩ | ±5% | 1/8W | |
| R393 | RCB-AG390 | FXD | CAR | 390Ω | ±5% | 1/6W | |
| R394 -395 | RCB-AG5R6K | FXD | CAR | 5.6kΩ | ±5% | 1/6W | |
| R396 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R397 | RMF-BJ39KFK | FXD | METAL FLM | 39kΩ | ±1% | 1/8W | |
| R398 | RMF-BJ33KFK | FXD | METAL FLM | 33kΩ | ±1% | 1/8W | |
| R399 | RCP-AM22K | FXD | CHIP | 22kΩ | ±1% | 1/8W | |
| R400 -401 | RMF-BJ33KFK | FXD | METAL FLM | 33kΩ | ±1% | 1/8W | |
| R402 | RMF-BJ100KFK | FXD | METAL FLM | 100kΩ | ±1% | 1/8W | |
| R403 | RMF-BJ47KFK | FXD | METAL FLM | 47kΩ | ±1% | 1/8W | |
| R404 | RCP-AM10K | FXD | CHIP | 10kΩ | ±1% | 1/8W | |
| R405 | RCP-AM3R3K | FXD | CHIP | 3.3kΩ | ±1% | 1/8W | |
| R406 | RMF-BJ22KFK | FXD | METAL FLM | 22kΩ | ±1% | 1/8W | |
| R407 | RMF-BJ10KFK | FXD | METAL FLM | 10kΩ | ±1% | 1/8W | |
| R408 | RMF-BJ47KFK | FXD | METAL FLM | 47kΩ | ±1% | 1/8W | |
| R409 | RMF-BJ10KFK | FXD | METAL FLM | 10kΩ | ±1% | 1/8W | |
| R410 | RMF-BJ15KFK | FXD | METAL FLM | 15kΩ | ±1% | 1/8W | |
| R411 -413 | RMF-BJ150KFK | FXD | METAL FLM | 150kΩ | ±1% | 1/8W | |
| R414 | RMF-BJ100KFK | FXD | METAL FLM | 100kΩ | ±1% | 1/8W | |
| R415 -416 | RMF-BJ150KFK | FXD | METAL FLM | 150kΩ | ±1% | 1/8W | |
| R417 | RMF-BJ33KFK | FXD | METAL FLM | 33kΩ | ±1% | 1/8W | |
| R418 | RMF-BJ27KFK | FXD | METAL FLM | 27kΩ | ±1% | 1/8W | |
| R419 -420 | RMF-BJ100KFK | FXD | METAL FLM | 100kΩ | ±1% | 1/8W | |
| R421 | RMF-BJ39KFK | FXD | METAL FLM | 39kΩ | ±1% | 1/8W | |
| R422 | RMF-BJ3R9KFK | FXD | METAL FLM | 3.9kΩ | ±1% | 1/8W | |
| R423 | RMF-BJ10KFK | FXD | METAL FLM | 10kΩ | ±1% | 1/8W | |
| R424 | RMF-BJ12KFK | FXD | METAL FLM | 12kΩ | ±1% | 1/8W | |
| R425 | RMF-BJ10KFK | FXD | METAL FLM | 10kΩ | ±1% | 1/8W | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R426 | RMF-BJ15KFK | FXD | METAL FLM | 15kΩ | ±1% | 1/8W | |
| R427 | RCB-AG12K | FXD | CAR | 12kΩ | ±5% | 1/6W | |
| R428 | RCB-AG3R3K | FXD | CAR | 3.3kΩ | ±5% | 1/6W | |
| R429 -430 | RMF-BJ10KFK | FXD | METAL FLM | 10kΩ | ±1% | 1/8W | |
| R431 | RCP-AH33K | FXD | CHIP | 33kΩ | ±5% | 1/8W | |
| R432 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ±5% | 1/6W | |
| R433 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |
| R434 -435 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R436 | RCB-AG56 | FXD | CAR | 56Ω | ±5% | 1/6W | |
| R437 | RCB-AG100K | FXD | CAR | 100kΩ | ±5% | 1/6W | |
| R438 | RCP-AH100 | FXD | CHIP | 100Ω | ±5% | 1/8W | |
| R439 | DSP-000017 | THERMISTOR | | | | 1/8W | |
| R440 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R441 | RCB-AG100K | FXD | CAR | 100kΩ | ±5% | 1/6W | |
| R442 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R443 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R450 | RCP-AH120 | FXD | CHIP | 120Ω | ±5% | 1/8W | |
| R451 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R452 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |
| R453 | RMF-BJ68KFK | FXD | METAL FLM | 68kΩ | ±1% | 1/8W | |
| R455 | RCP-AM22K | FXD | CHIP | 22kΩ | ±1% | 1/8W | |
| R456 | RMF-BJ2R2KFK | FXD | METAL FLM | 2.2kΩ | ±1% | 1/8W | |
| R457 | RMF-BJ5R6KFK | FXD | METAL FLM | 5.6kΩ | ±1% | 1/8W | |
| R458 | RMF-BJ22KFK | FXD | METAL FLM | 22kΩ | ±1% | 1/8W | |
| R459 | RMF-BJ18KFK | FXD | METAL FLM | 18kΩ | ±1% | 1/8W | |
| R460 | RCP-AM5R6K | FXD | CHIP | 5.6kΩ | ±1% | 1/8W | |
| R461 | RMF-BJ4R7KFK | FXD | METAL FLM | 4.7kΩ | ±1% | 1/8W | |
| R462 | RCP-AM4R7K | FXD | CHIP | 4.7kΩ | ±1% | 1/8W | |
| R463 464 | RMF-BJ22KFK | FXD | METAL FLM | 22kΩ | ±1% | 1/8W | |
| R465 | REE-AT10K | METAL FLM | | 10kΩ | 1400ppm/°C | 1/8W | |
| R466 | RMF-BJ56KFK | FXD | METAL FLM | 56kΩ | ±1% | 1/8W | |
| R467 | RCP-AM5R6K | FXD | CHIP | 5.6kΩ | ±1% | 1/8W | |
| R468 | RCP-AH390 | FXD | CHIP | 390Ω | ±5% | 1/8W | |
| R469 | RCP-AM3R3K | FXD | CHIP | 3.3kΩ | ±1% | 1/8W | |
| R470 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |
| R471 | RMF-BJ3R3KFK | FXD | METAL FLM | 3.3kΩ | ±1% | 1/8W | |
| R472 | RMF-BJ2R2KFK | FXD | METAL FLM | 2.2kΩ | ±1% | 1/8W | |
| R473 | RMF-BJ3R9KFK | FXD | METAL FLM | 3.9kΩ | ±1% | 1/8W | |
| R474 -475 | RMF-BJ2R2KFK | FXD | METAL FLM | 2.2kΩ | ±1% | 1/8W | |
| R476 | RMF-BJ3R9KFK | FXD | METAL FLM | 3.9kΩ | ±1% | 1/8W | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R477 -478 | RCB-AG330 | FXD | CAR | 330Ω | ±5% | 1/6W | |
| R479 | RCP-AH560 | FXD | CHIP | 560Ω | ±5% | 1/8W | |
| R480 | RCB-AG2R2K | FXD | CAR | 2.2kΩ | ±5% | 1/6W | |
| R481 | RCP-AH220 | FXD | CHIP | 220Ω | ±5% | 1/8W | |
| R482 | RCB-AG47K | FXD | CAR | 47kΩ | ±5% | 1/6W | |
| R483 -485 | RMF-BJ2R2KFK | FXD | METAL FLM | 2.2kΩ | ±1% | 1/8W | |
| R486 -487 | RMF-BJ1KFK | FXD | METAL FLM | 1kΩ | ±1% | 1/8W | |
| R488 | RMF-BJ220QFK | FXD | METAL FLM | 220Ω | ±1% | 1/8W | |
| R489 | RVR-DF500 | VAR | | 550Ω | ±20% | 1/2W | |
| R490 | RCB-AG8R2K | FXD | CAR | 8.2kΩ | ±5% | 1/6W | |
| R491 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R492 | RCB-AG330 | FXD | CAR | 330Ω | ±5% | 1/6W | |
| R493 | RCP-AH100 | FXD | CHIP | 100Ω | ±5% | 1/8W | |
| R494 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R495 | RMF-BJ10KFK | FXD | METAL FLM | 10kΩ | ±1% | 1/8W | |
| R496 | RCP-AJ220 | CHIP | | 220Ω | ±5% | 1/10W | |
| R497 | RCB-AG100K | FXD | CAR | 100kΩ | ±5% | 1/6W | |
| R498 | RMF-BJ8R2KFK | FXD | METAL FLM | 8.2kΩ | ±1% | 1/8W | |
| R499 | RMF-BJ470KFK | FXD | METAL FLM | 470kΩ | ±1% | 1/8W | |
| R500 | RCB-AG68K | FXD | CAR | 68kΩ | ±5% | 1/6W | |
| R501 | RMF-BJ1R2KFK | FXD | METAL FLM | 1.2kΩ | ±1% | 1/8W | |
| R502 | REE-AT10K | METAL FLM | | 10kΩ | 1400ppm/°C | 1/8W | |
| R503 | RCP-AM5R6K | FXD | CHIP | 5.6kΩ | ±1% | 1/8W | |
| R504 | RMF-BJ8R2KFK | FXD | METAL FLM | 8.2kΩ | ±1% | 1/8W | |
| R505 | RMF-BJ100QFK | FXD | METAL FLM | 100Ω | ±1% | 1/8W | |
| R506 | RMF-BJ1R8KFK | FXD | METAL FLM | 1.8kΩ | ±1% | 1/8W | |
| R507 | RCP-AM390Q | FXD | CHIP | 390Ω | ±1% | 1/8W | |
| R508 | RMF-BJ10KFK | FXD | METAL FLM | 10kΩ | ±1% | 1/8W | |
| R509 | RMF-BJ27KFK | FXD | METAL FLM | 27kΩ | ±1% | 1/8W | |
| R510 | RCP-AM10K | FXD | CHIP | 10kΩ | ±1% | 1/8W | |
| R511 | RMF-BJ68KFK | FXD | METAL FLM | 68kΩ | ±1% | 1/8W | |
| R514 | RCB-AG470 | FXD | CAR | 470Ω | ±5% | 1/6W | |
| R515 | RCB-AG100K | FXD | CAR | 100kΩ | ±5% | 1/6W | |
| R516 | RCB-AG27 | FXD | CAR | 27Ω | ±5% | 1/6W | |
| R517 | RCB-AG47 | FXD | CAR | 47Ω | ±5% | 1/6W | |
| R518 | RMF-BJ12KFK | FXD | METAL FLM | 12kΩ | ±1% | 1/8W | |
| R519 | RCP-AM56K | FXD | CHIP | 56kΩ | ±1% | 1/8W | |
| R520 -521 | RCP-AM10K | FXD | CHIP | 10kΩ | ±1% | 1/8W | |
| R522 -523 | RCP-AH33K | FXD | CHIP | 33kΩ | ±5% | 1/8W | |
| R524 -525 | RCP-AH820 | FXD | CHIP | 820Ω | ±5% | 1/8W | |

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| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R526 -527 | RCP-AH15 | FXD | CHIP | 15Ω | ±5% | 1/8W | |
| R528 | RMF-BJ33KFK | FXD | METAL FLM | 33kΩ | ±1% | 1/8W | |
| R529 | RMF-BJ4R7KFK | FXD | METAL FLM | 4.7kΩ | ±1% | 1/8W | |
| R530 | RCP-AM2R7K | FXD | CHIP | 2.7kΩ | ±1% | 1/8W | |
| R531 -533 | RMF-BJ3R9KFK | FXD | METAL FLM | 3.9kΩ | ±1% | 1/8W | |
| R534 | RCP-AM3R9K | FXD | CHIP | 3.9kΩ | ±1% | 1/8W | |
| R535 | RMF-BJ910QFK | FXD | METAL FLM | 910Ω | ±1% | 1/8W | |
| R536 | RMF-BJ680QFK | FXD | METAL FLM | 680Ω | ±1% | 1/8W | |
| R537 | RCP-AM3R9K | FXD | CHIP | 3.9kΩ | ±1% | 1/8W | |
| R538 -539 | RMF-BJ680QFK | FXD | METAL FLM | 680Ω | ±1% | 1/8W | |
| R540 | RMF-BJ3R9KFK | FXD | METAL FLM | 3.9kΩ | ±1% | 1/8W | |
| R541 -542 | RMF-BJ680QFK | FXD | METAL FLM | 680Ω | ±1% | 1/8W | |
| R543 | RMF-BJ3R9KFK | FXD | METAL FLM | 3.9kΩ | ±1% | 1/8W | |
| R544 | RMF-BJ680QFK | FXD | METAL FLM | 680Ω | ±1% | 1/8W | |
| R545 -546 | RMF-BJ3R9KFK | FXD | METAL FLM | 3.9kΩ | ±1% | 1/8W | |
| R547 | RMF-BJ680QFK | FXD | METAL FLM | 680Ω | ±1% | 1/8W | |
| R548 | RMF-BJ3R9KFK | FXD | METAL FLM | 3.9kΩ | ±1% | 1/8W | |
| R549 -550 | RMF-BJ680QFK | FXD | METAL FLM | 680Ω | ±1% | 1/8W | |
| R551 | RMF-BJ3R9KFK | FXD | METAL FLM | 3.9kΩ | ±1% | 1/8W | |
| R552 | RMF-BJ680QFK | FXD | METAL FLM | 680Ω | ±1% | 1/8W | |
| R553 | RCP-AM910Q | FXD | CHIP | 910Ω | ±1% | 1/8W | |
| R554 | RMF-BJ680QFK | FXD | METAL FLM | 680Ω | ±1% | 1/8W | |
| R555 | RMF-BJ910QFK | FXD | METAL FLM | 910Ω | ±1% | 1/8W | |
| R601 | RMF-TC39KFJ | FXD | METAL FLM | 39kΩ | ±1% | 1/4W | |
| R602 | RMF-TC100QFJ | FXD | METAL FLM | 100Ω | ±1% | 1/4W | |
| R603 | RMF-TC390QFJ | FXD | METAL FLM | 390Ω | ±1% | 1/4W | |
| R604 | RMF-AC68QFJ | FXD | METAL FLM | 68Ω | ±1% | 1/4W | |
| R605 | RMF-TC560QFJ | FXD | METAL FLM | 560Ω | ±1% | 1/4W | |
| R609 | RCB-AG68 | FXD | CAR | 68Ω | ±5% | 1/6W | |
| R610 | RCB-AG5R1K | FXD | CAR | 5.1kΩ | ±5% | 1/6W | |
| R611 | RMF-TC180QFJ | FXD | METAL FLM | 180Ω | ±1% | 1/4W | |
| R612 | RCB-AG1K | FXD | CAR | 1kΩ | ±5% | 1/6W | |
| R613 | RCB-AG4R7K | FXD | CAR | 4.7kΩ | ±5% | 1/6W | |
| R1006 | RMF-TC2R2KFJ | FXD | METAL FLM | 2.2kΩ | ±1% | 1/4W | |
| R1008-1009 | RMF-TC2R2KFJ | FXD | METAL FLM | 2.2kΩ | ±1% | 1/4W | |
| R1010 | RCB-AG47 | FXD | CAR | 47Ω | ±5% | 1/6W | |
| R1012 | RCB-AG47 | FXD | CAR | 47Ω | ±5% | 1/6W | |
| R1016-1017 | RCB-AG47 | FXD | CAR | 47Ω | ±5% | 1/6W | |
| R1019 | RCB-AG4R7K | FXD | CAR | 4.7kΩ | ±5% | 1/6W | |
| R1023 | RCB-AG470 | FXD | CAR | 470Ω | ±5% | 1/6W | |

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**LOG,A/D BLOCK**
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| Parts No. | Advantest Stock No. | Description | | | | Note |
|---|---|---|---|---|---|---|
| R1024-1028 | RCB-AG1R5K | FXD | CAR | 1.5kΩ | ±5% | 1/6W | |
| R1029 | RCB-AG100 | FXD | CAR | 100Ω | ±5% | 1/6W | |
| R1030 | RCB-AG33K | FXD | CAR | 33kΩ | ±5% | 1/6W | |
| R1031 | RCB-AG680K | FXD | CAR | 680kΩ | ±5% | 1/6W | |
| R1032 | RCB-AG1M | FXD | CAR | 1MΩ | ±5% | 1/6W | |
| R1033 | RCB-AG270K | FXD | CAR | 270kΩ | ±5% | 1/6W | |
| R1034 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R1035 | RCB-AG3R9K | FXD | CAR | 3.9kΩ | ±5% | 1/6W | |
| R1036 | RCB-AG680K | FXD | CAR | 680kΩ | ±5% | 1/6W | |
| R1037 | RCB-AG100K | FXD | CAR | 100kΩ | ±5% | 1/6W | |
| R1038 | RCB-AG10K | FXD | CAR | 10kΩ | ±5% | 1/6W | |
| R1039 | RCB-AG22K | FXD | CAR | 22kΩ | ±5% | 1/6W | |
| TP1 -5 | MBM-10372A | | | | | | |
| TP11 -27 | MBM-10372A | | | | | | |
| U1 | SIA-DG408A | 8 CHANNEL ANALOG MOLTIPLEXERS | | | | | |
| U2 | SIA-OP42FZ | OP AMP JFET GBW = 10MHZ | | | | | |
| U3 | SHB-003195 | HYBRID POSI-PEAK DETECTOR | | | | | |
| U4 | SIA-DG201 | QUAD ANALOG SWITCHES | | | | | |
| U5 | SIA-TL072 | OP AMP DUAL LOW NOISE | | | | | |
| U6 | SHB-003195 | HYBRID POSI-PEAK DETECTOR | | | | | |
| U7 | SIA-DG411 | QUAD ANALOG SWITCHES | | | | | |
| U8 | SHB-003195 | HYBRID POSI-PEAK DETECTOR | | | | | |
| U9 -10 | SHB-003196 | HYBRID NEGA-PEAK DETECTOR | | | | | |
| U11 | SIA-OP27GD | OP AMP | | | | | |
| U12 | SIA-DG201 | QUAD ANALOG SWITCHES | | | | | |
| U13 | SIA-5320 | SAMPLE AND HOLD | | | | | |
| U14 | SIA-OP42FZ | OP AMP JFET GBW = 10MHZ | | | | | |
| U15 | SIA-5016*JP16 | 16BIT A/D CONVERTER | | | | | |
| U16 -17 | SIM-74HC574 | OCTAL D FLIP-FLOPS | | | | | |
| U18 | SIM-74HC04 | HEX INVERTERS | | | | | |
| U19 | SIM-74HC86 | QUAD 2-INPUT EXCLUSIVE-OR | | | | | |
| U20 | SIM-3042*70CS | LOGIC CELL ARRAY | | | | | |
| U21 | SMM-1736APD8C | SERIAL PROM | | | | | |
| U22 | SIA-6361 | OP AMP | | | | | |
| U23 | SIA-40578 | 8 BIT A/D CONVERTER | | | | | |
| U24 | SIT-74F374 | OCTAL D FLIP-FLOPS | | | | | |
| U25 | SMM-2018C-2 | SRAM | | | | | |
| U26 | SIT-74F245 | OCTAL BUS TRANSCEIVERS WITH 3 STATE OUTPUT | | | | | |
| U27 | SIA-TL072 | OP AMP DUAL LOW NOISE | | | | | |
| U28 | DXC-001933 | X TAL | | | | | |

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| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| U29 | SIM-74HC157 | QUAD 2 TO 1 - LINE DATA SELECTORS | |
| U30 | SIM-74HC74 | DUAL D FLIP-FLOPS WITH PRESET AND CLEAR | |
| U31 | SIM-74HC157 | QUAD 2 TO 1 - LINE DATA SELECTORS | |
| U34 | SIA-TL072 | OP AMP DUAL LOW NOISE | |
| U35 -36 | SIA-311N | COMPARATOR | |
| U41 | SIA-339 | QUAD COMPARATORS | |
| U42 | SIT-74F157 | QUAD 2 TO 1 - LINE DATA SELECTORS | |
| U43 | SIM-653820U | GATE ARRAY | |
| U44 | SIA-DAC703J | 16 BIT D/A CONVERTER | |
| U45 | SIA-TL072 | OP AMP DUAL LOW NOISE | |
| U47 | SIM-74HC04 | HEX INVERTERS | |
| U48 | SIA-6361 | OP AMP | |
| U49 | SIA-319N | DUAL COMPARATORS | |
| U50 | SIM-74HC107 | DUAL J-K FLIP-FLOPS WITH CLEAR | |
| U51 | SIA-TL072 | OP AMP DUAL LOW NOISE | |
| U53 | SIT-LM1881N | VIDEO SYNC SEPARATOR | |
| U54 | SIA-393 | COMPARATOR DUAL LOW NOISE LOW OFFSET | |
| U55 | SIA-TL074 | OP AMP QUAD LOW NOISE | |
| U56 | SIA-79L05 | VOLTAGE PEGULATOR | |
| U57 | SIM-74HC107 | DUAL J-K FLIP-FLOPS WITH CLEAR | |
| U58 | SIM-74HC74 | DUAL D FLIP-FLOPS WITH PRESET AND CLEAR | |
| U59 | SIM-74HC107 | DUAL J-K FLIP-FLOPS WITH CLEAR | |
| U60 | SIM-74HC08 | QUAD 2-INPUT POSI-AND | |
| U61 | SIT-74F157 | QUAD 2 TO 1 - LINE DATA SELECTORS | |
| U62 | SIT-74F161 | 4 BIT BINARY COUNTERS | |
| U64 | SIM-74HC107 | DUAL J-K FLIP-FLOPS WITH CLEAR | |
| U65 | SIT-74F157 | QUAD 2 TO 1 - LINE DATA SELECTORS | |
| U68 | SIT-74F157 | QUAD 2 TO 1 - LINE DATA SELECTORS | |
| U72 | SIM-74HC08 | QUAD 2-INPUT POSI-AND | |
| U73 -75 | SIM-74HC574 | OCTAL D FLIP-FLOPS | |
| U76 | SIT-74F161 | 4 BIT BINARY COUNTERS | |
| U78 | SIT-74F161 | 4 BIT BINARY COUNTERS | |
| U81 | SIA-DA7226HP | 8 BIT D/A CONVERTER QUAD | |
| U82 | SIA-TL074 | OP AMP QUAD LOW NOISE | |
| U83 | SIA-DA7226HP | 8 BIT D/A CONVERTER QUAD | |
| U84 | SIA-TL074 | OP AMP QUAD LOW NOISE | |
| U85 | SIA-311N | COMPARATOR | |
| U87 | SIM-74HC32 | QUAD 2-INPUT OR-GATE | |
| U88 | SIM-74HC86 | QUAD 2-INPUT EXCLUSIVE-OR | |
| U101 | SHB-003065-1 | HYBRID LOG AMPLIFIBR | |

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**LOG,A/D BLOCK**
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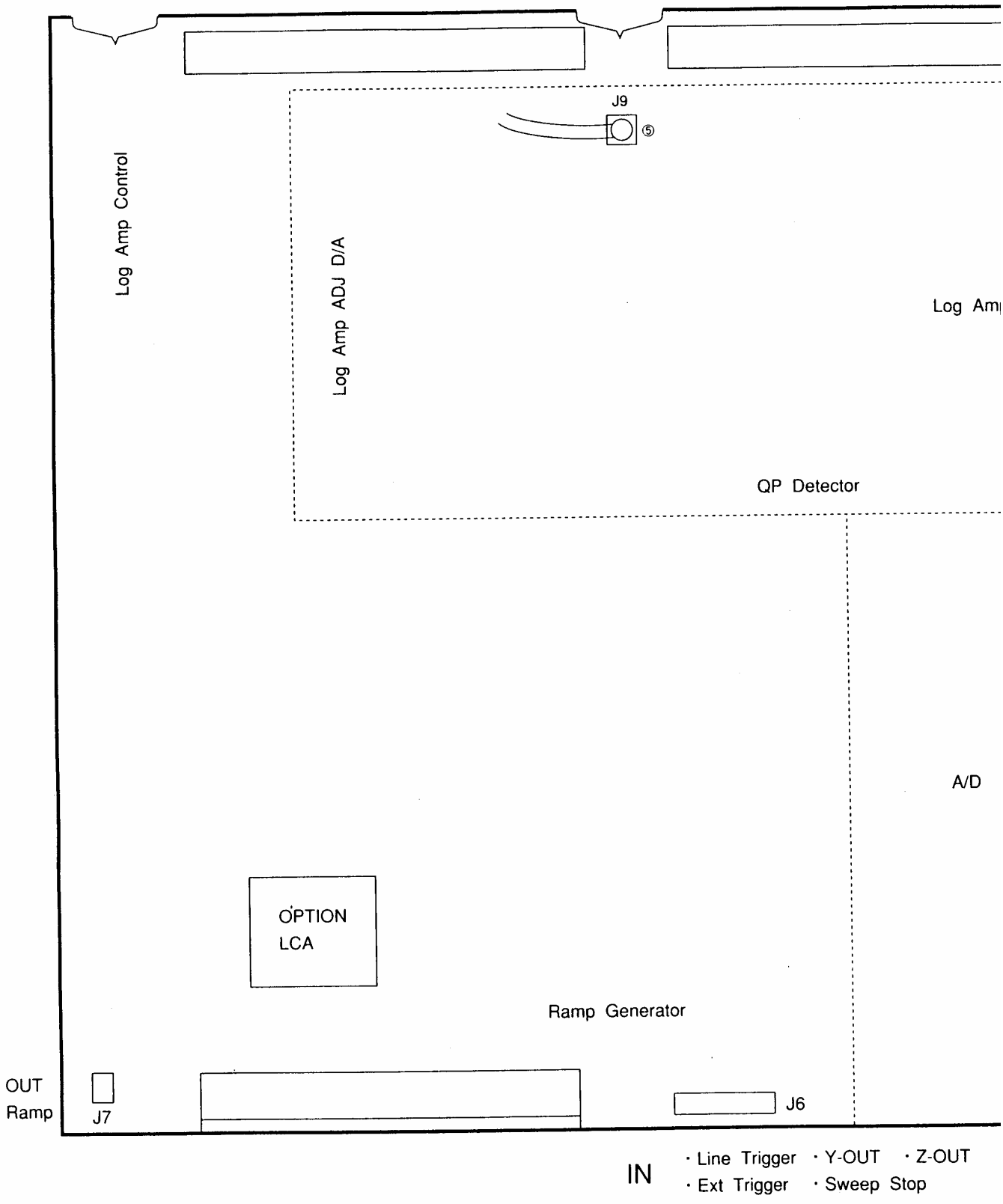
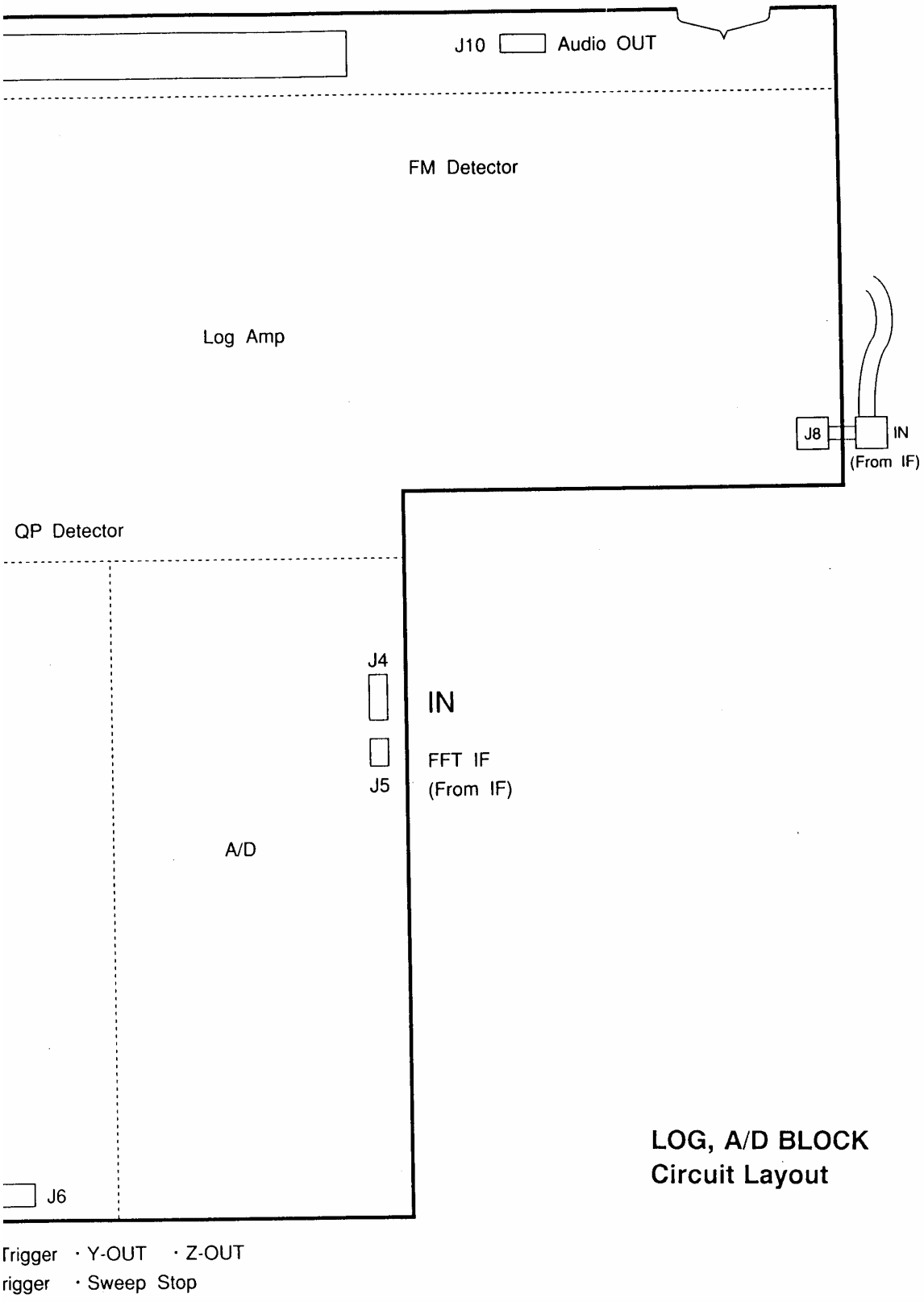
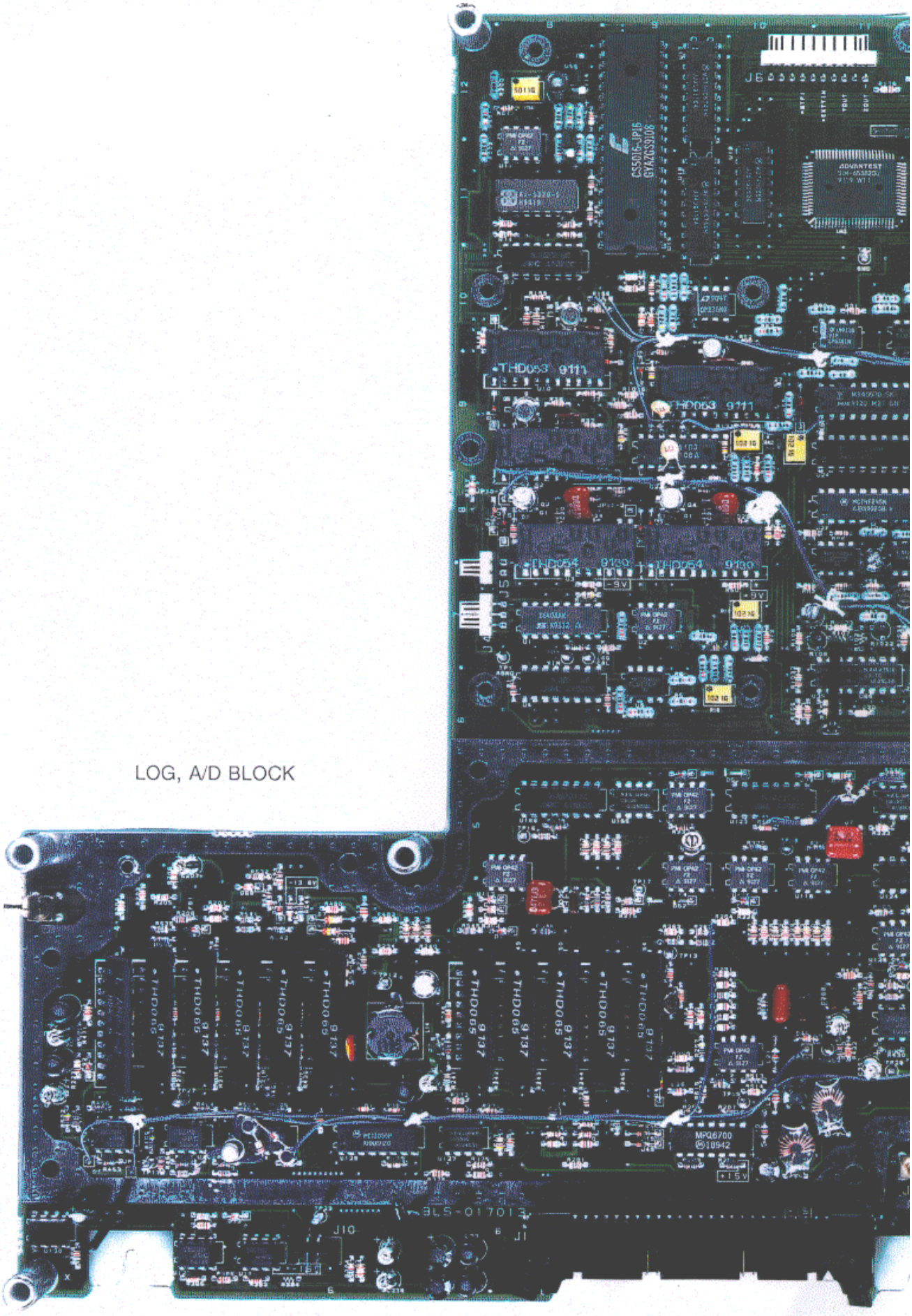
| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| U102 -111 | SHB-003064-1 | HYBRID LOG AMPLIFIBR | |
| U112 -117 | SIA-OP42FZ | OP AMP JFET GBW = 10MHZ | |
| U118 -121 | SIA-812 | OP AMP DUAL LOW OFFSET JFET | |
| U122 | SIA-4558 | OP AMP DUAL | |
| U123 -124 | SIA-DG201 | QUAD ANALOG SWITCHES | |
| U125 | SIA-DA7528-4 | 8 BIT D/A CONVERTER DUAL | |
| U126 | SIA-OP42FZ | OP AMP JFET GBW = 10MHZ | |
| U127 | SIA-1658 | VIDEO AMP | |
| U128 | SIA-13055 | FMDETECTOR | |
| U129 | SIA-TL082 | OP AMP DUAL JFET | |
| U130 | SIA-NJM2072 | VOLTAGE LEVEL SENSOR | |
| U131 | SIA-DG201 | QUAD ANALOG SWITCHES | |
| U132 | SIA-TL082 | OP AMP DUAL JFET | |
| U133 | SIA-DA7524-4 | 8 BIT D/A CONVERTER | |
| U134 | SIA-TL082 | OP AMP DUAL JFET | |
| U135 -136 | SIA-DA7226HP | 8 BIT D/A CONVERTER QUAD | |
| U137 -138 | SIA-4558 | OP AMP DUAL | |
| U139 | SIA-TL082 | OP AMP DUAL JFET | |
| U140 | SIA-4558 | OP AMP DUAL | |
| U141 | SIA-DG408A | 8 CHANNEL ANALOG MULTIPLEXERS | |
| U142 | SIA-4558 | OP AMP DUAL | |
| U143 | SIA-TL082 | OP AMP DUAL JFET | |
| U144 | SIA-4558 | OP AMP DUAL | |
| U146 -147 | SIM-74HC138 | 3-LINE TO 8-LINE DEOODERS/DEMULTIPLEXERS | |
| U148 -150 | SIM-74HC273 | OCTAL D FLIP-FLOPS | |
| U151 -154 | SIM-74HC174 | HEX D FLIP-FLOPS | |
| U155 | SIM-74HC32 | QUAD 2-INPUT POSI-OR | |
| U156 | SIM-74HC00 | QUAD 2-INPUT POSI-NAND | |
| U157 | SIM-74HC04 | HEX INVERTERS | |
| U158 -159 | SIT-DN8650 | | |
| U160 | SIM-TC4S71F | SINGLE OR GATE | |
| U161 | SIA-OP42FZ | OP AMP JFET GBW = 10MHZ | |
| U163 -164 | SIA-TL082 | OP AMP DUAL JFET | |
| U165 | SIA-812 | OP AMP DUAL LOW OFFSET | |
| U166 | SIA-DG201 | QUAD ANALOG SWITCHES | |
| | | | |

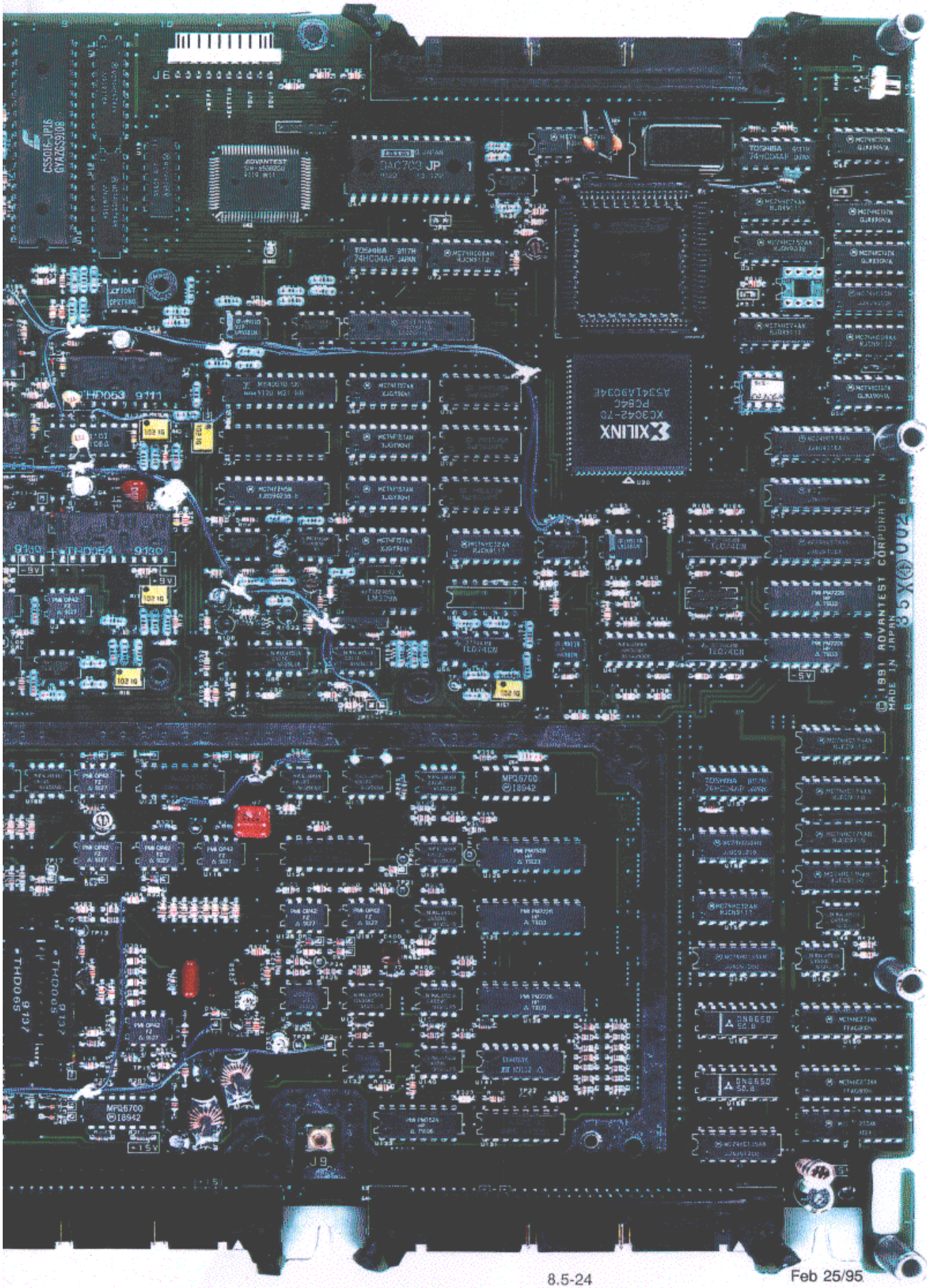

J9
⑤
Log Amp Control
Log Amp ADJ D/A
Log Am
QP Detector
A/D
OPTION
LCA
Ramp Generator
OUT
Ramp
J7
J6
IN
· Line Trigger · Y-OUT · Z-OUT
· Ext Trigger · Sweep Stop

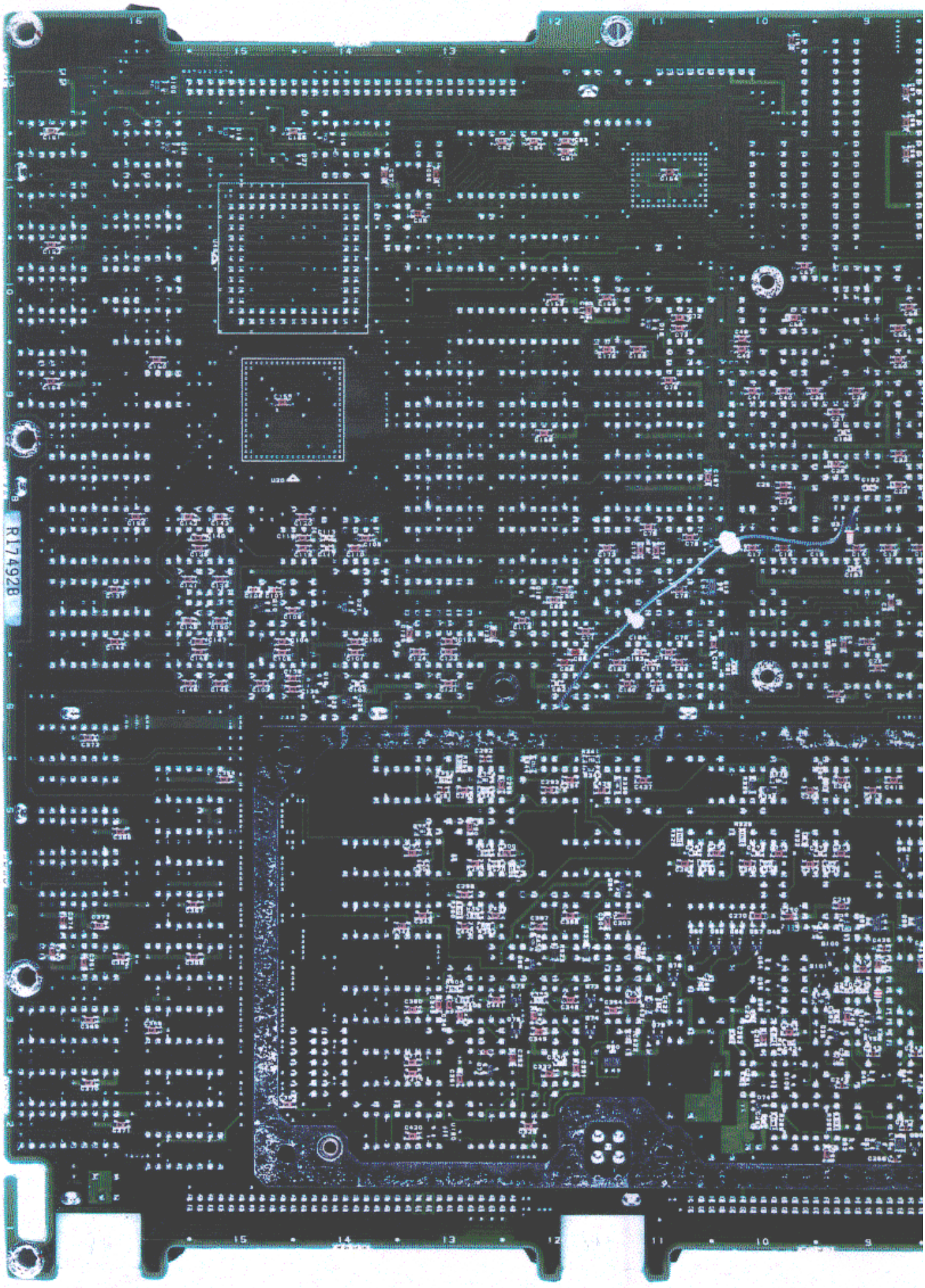


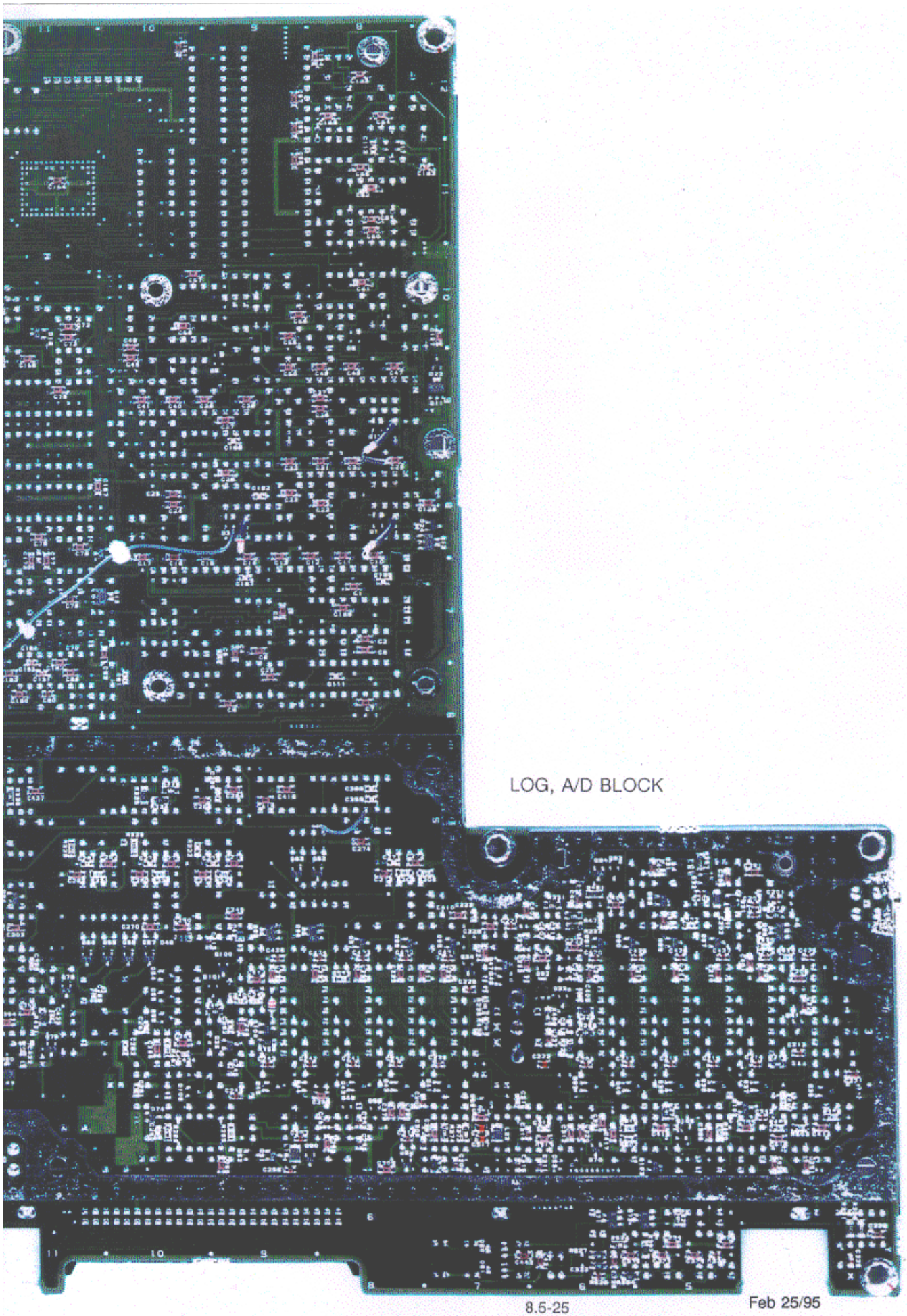

**LOG, A/D BLOCK**
**Circuit Layout**


J6
THD053 9111
THD053 9111
THD054 9130
THD054 9130
-9V
+15V
THD065 9137
J10
J11

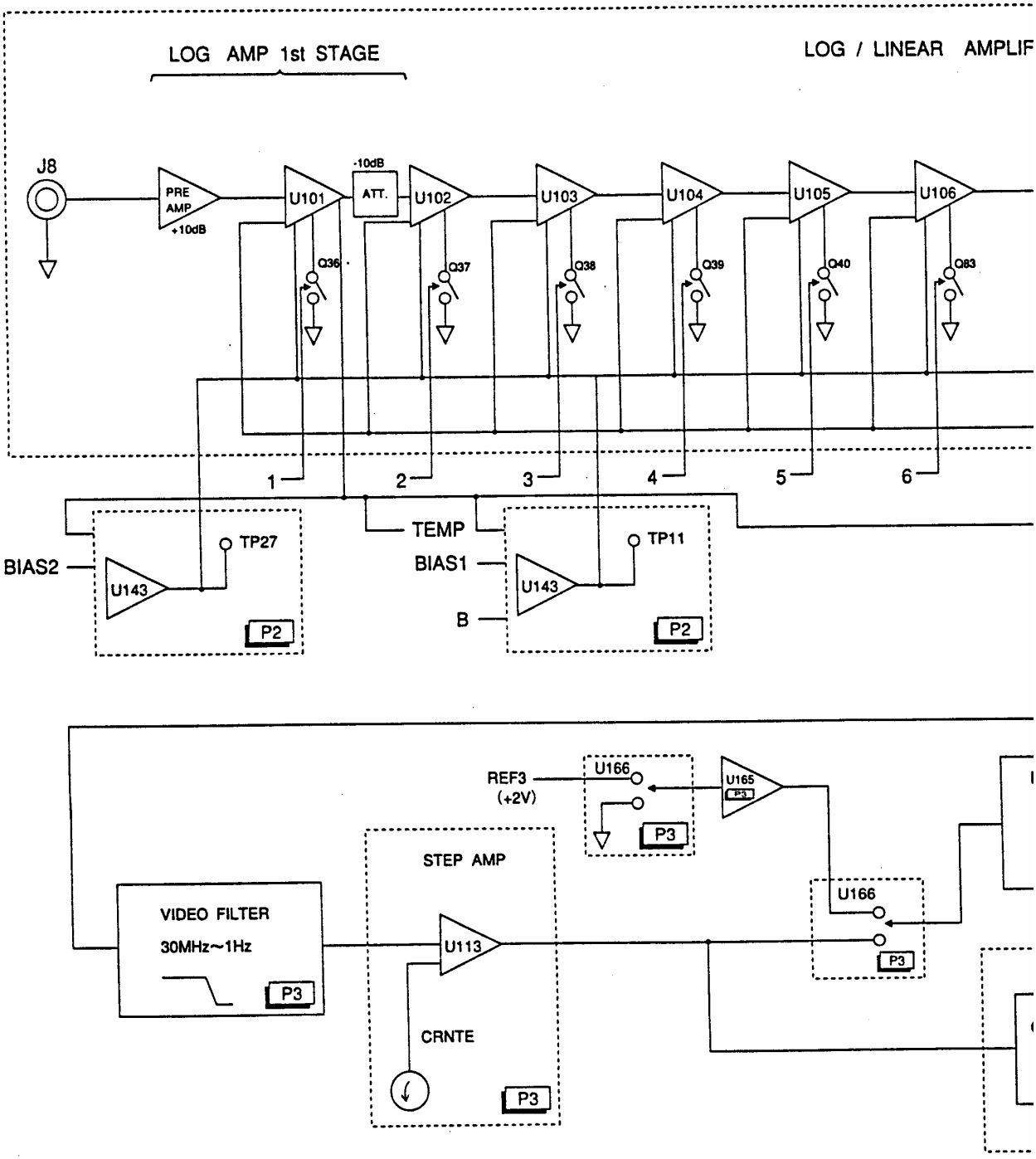
LOG, A/D BLOCK


XILINX
XC3042-70
PQ84C
MPU6700
I8942
THD053 9111
THD054 9130
THD065 9137
ADVANTEST CORPORATION
MADE IN JAPAN
J9

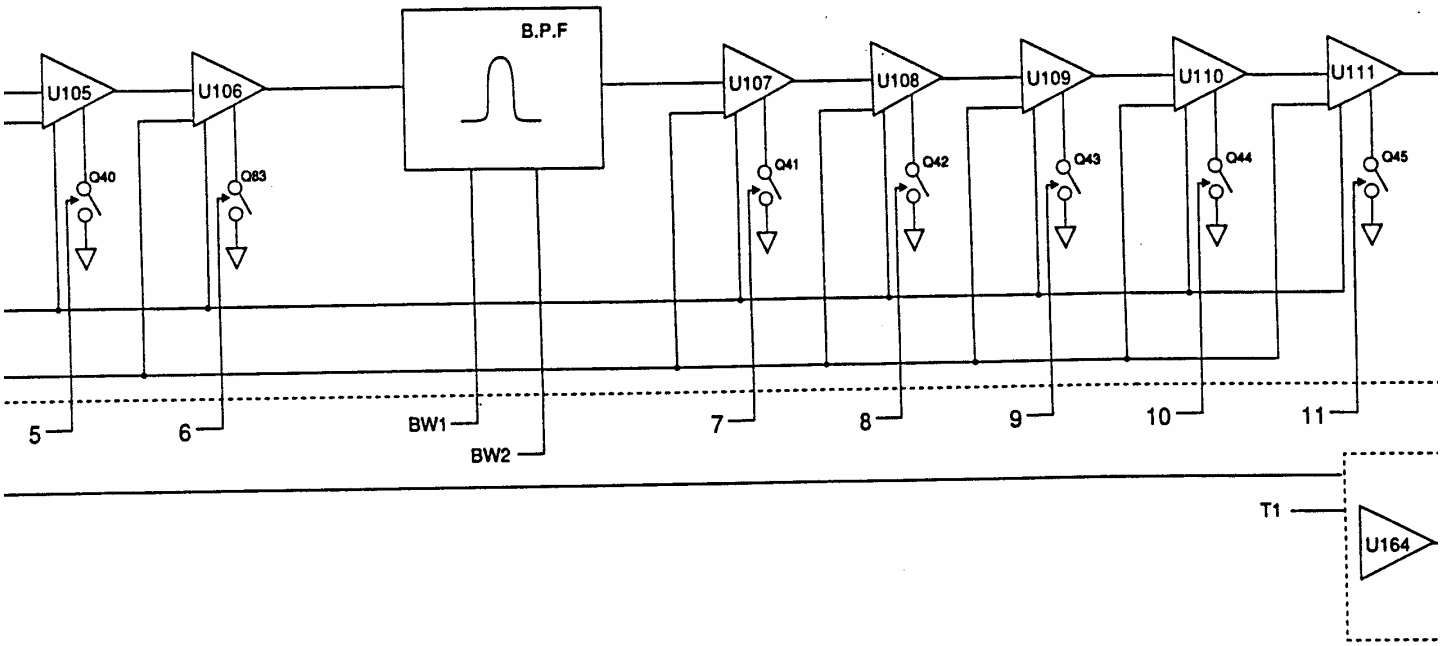

R174928

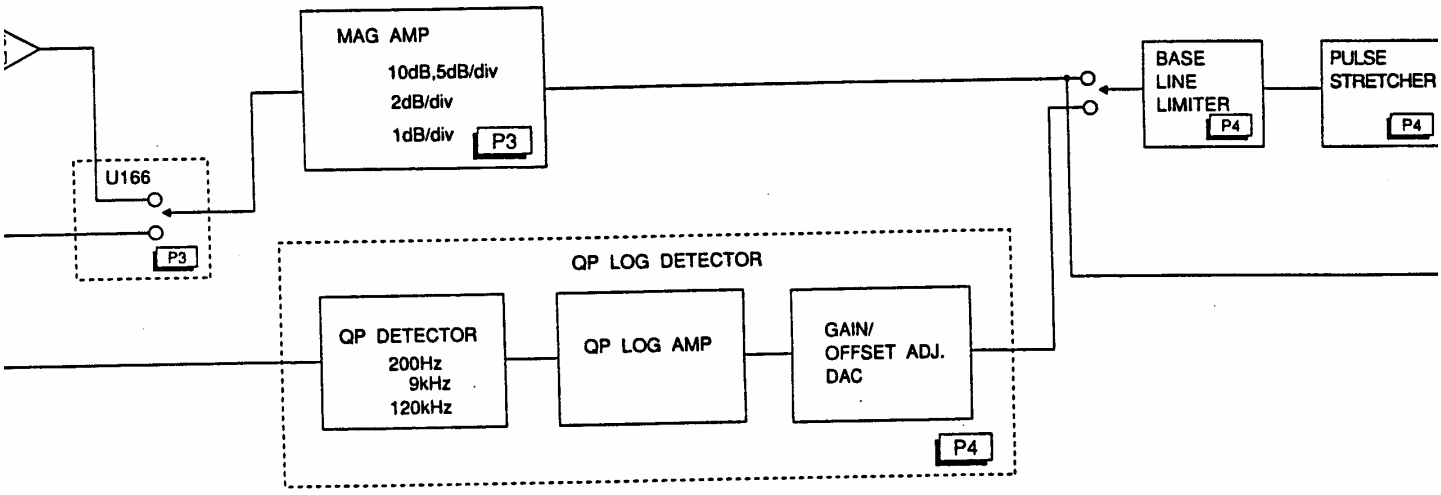


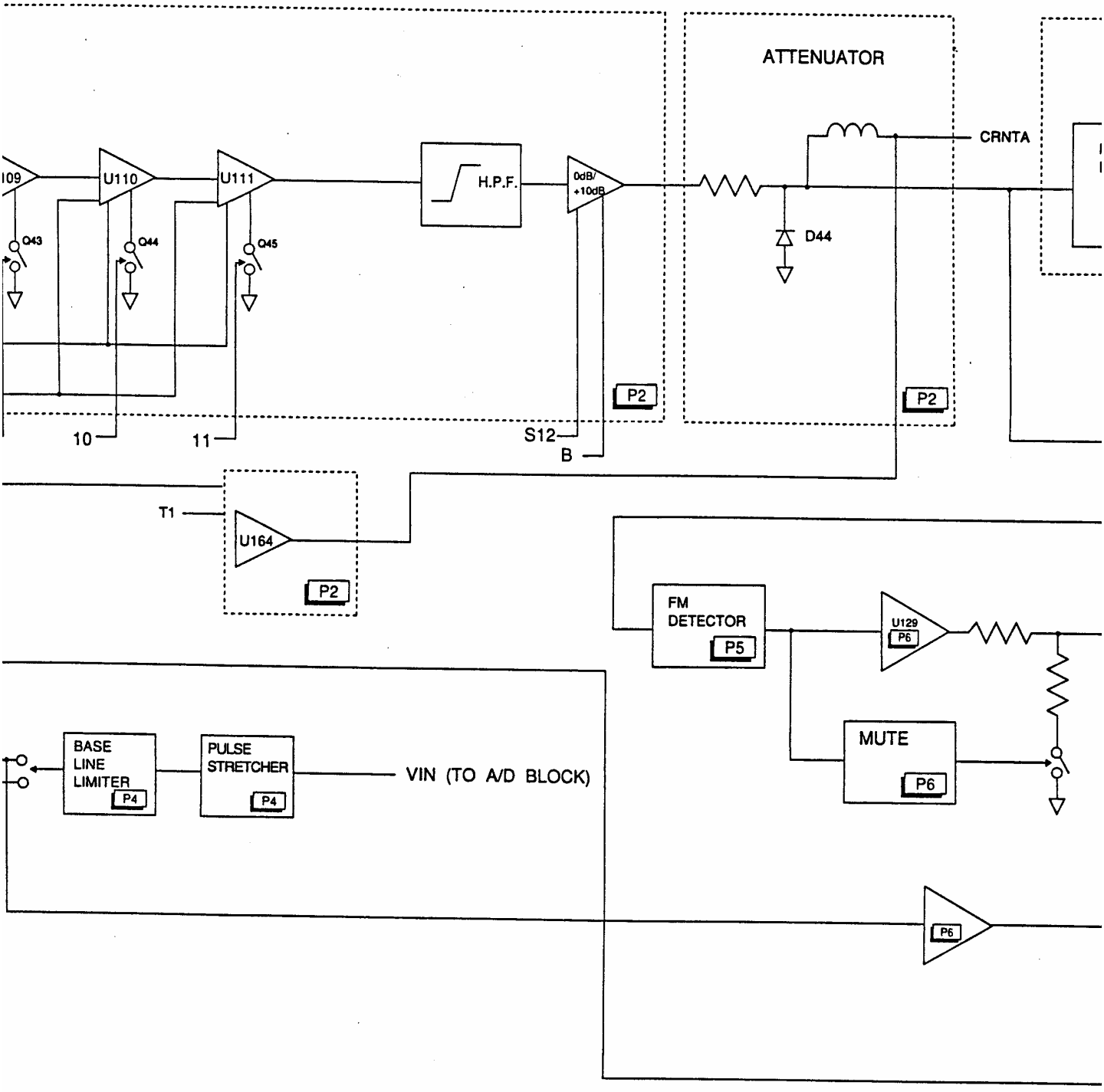
LOG, A/D BLOCK

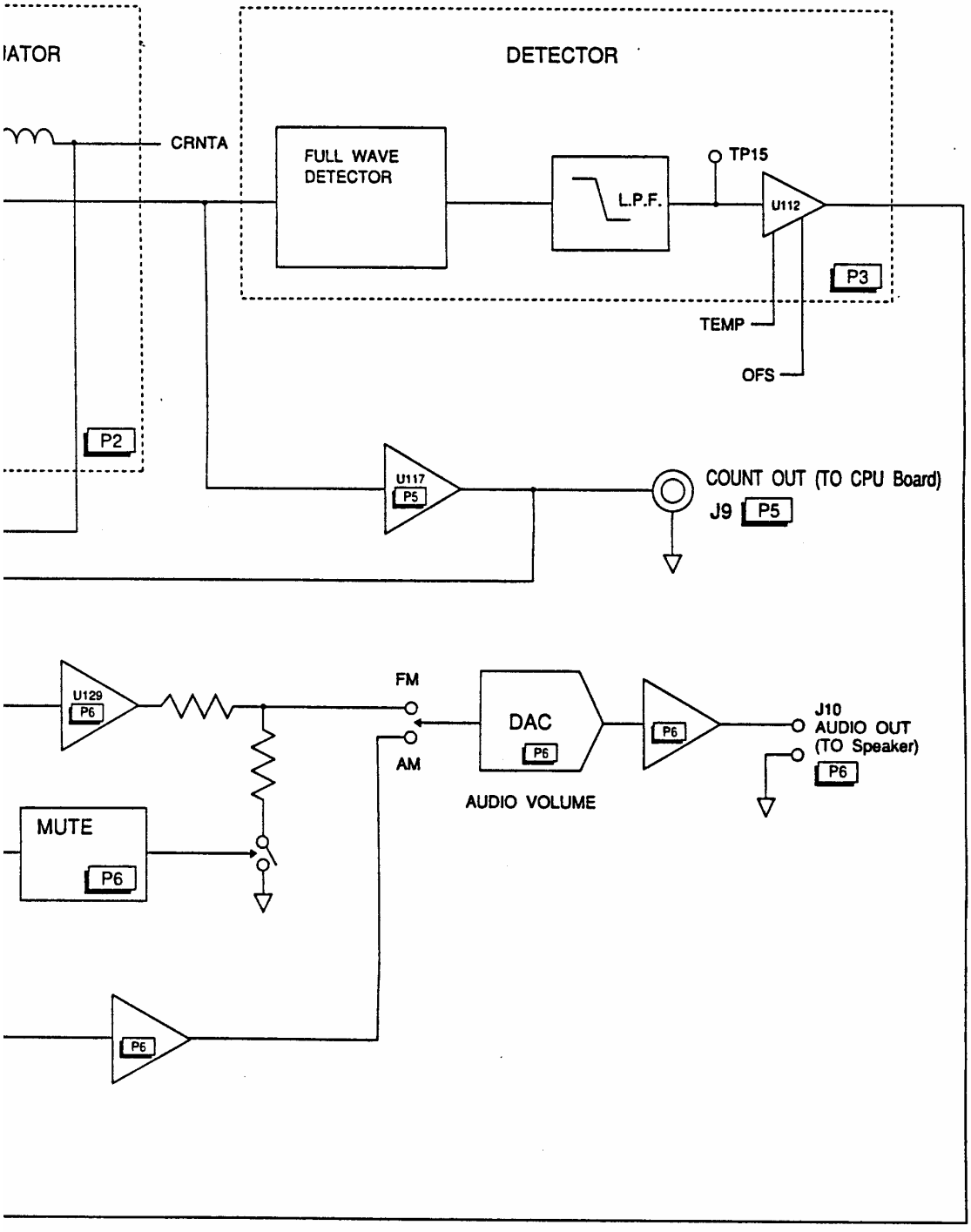

LOG AMP 1st STAGE
LOG / LINEAR AMPLIF
J8
PRE AMP +10dB
-10dB ATT.
U101
U102
U103
U104
U105
U106
Q36
Q37
Q38
Q39
Q40
Q83
1
2
3
4
5
6
BIAS2
U143
TP27
P2
TEMP
BIAS1
B
U143
TP11
P2
REF3 (+2V)
U166
P3
U165
P3
STEP AMP
VIDEO FILTER
30MHz~1Hz
P3
U113
CRNTE
P3
U166
P3

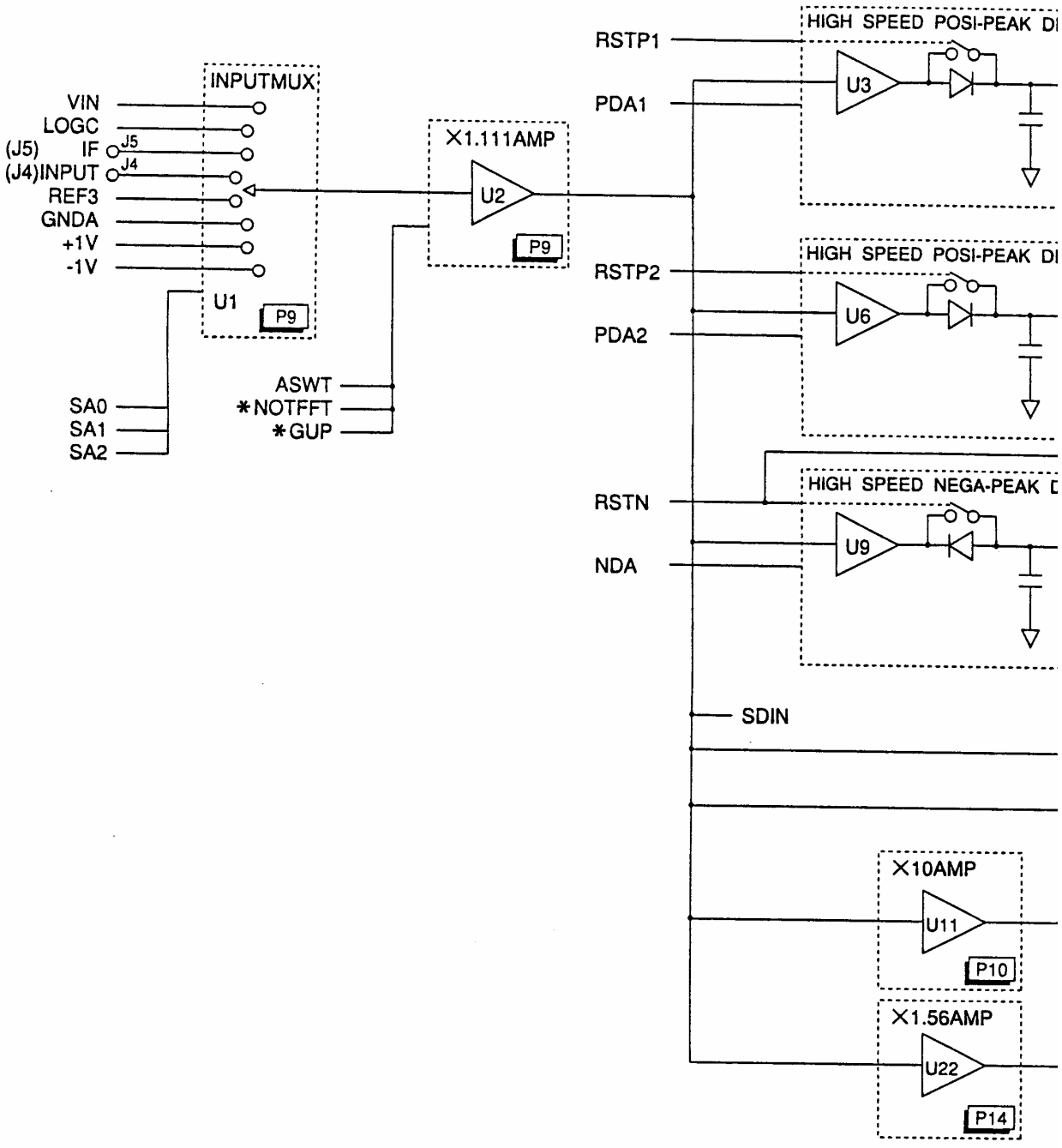
## LOG / LINEAR AMPLIFIER

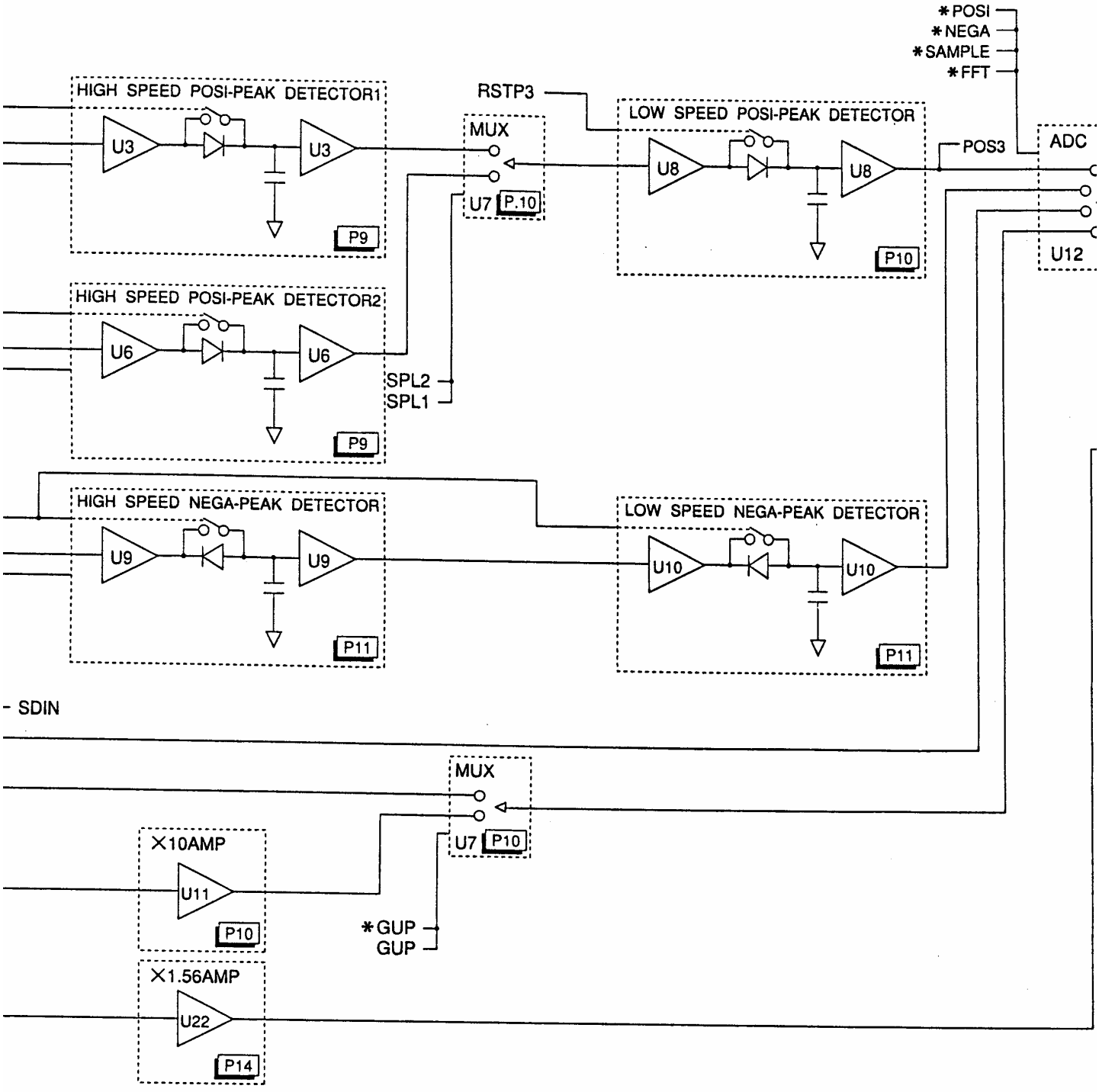


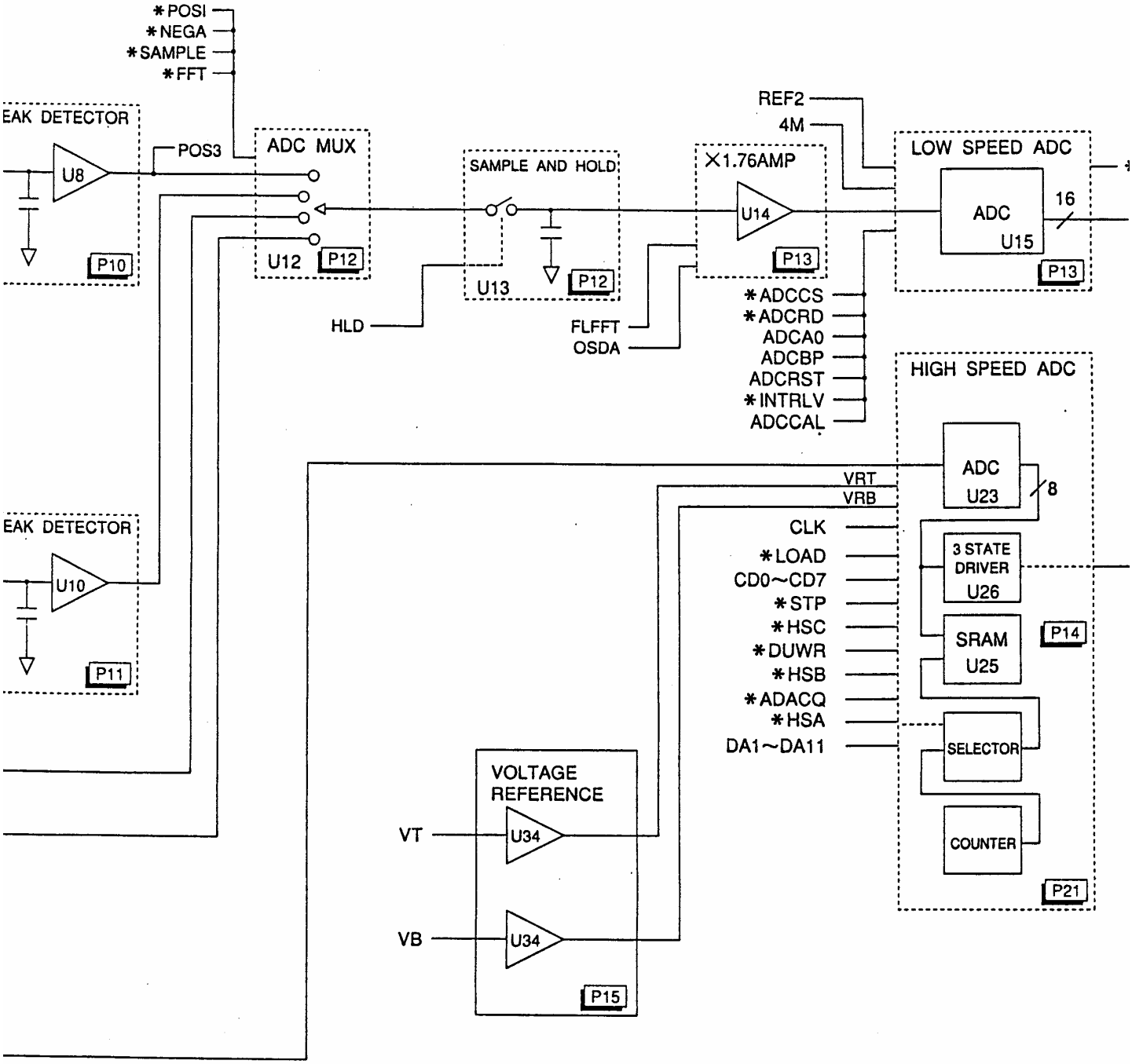



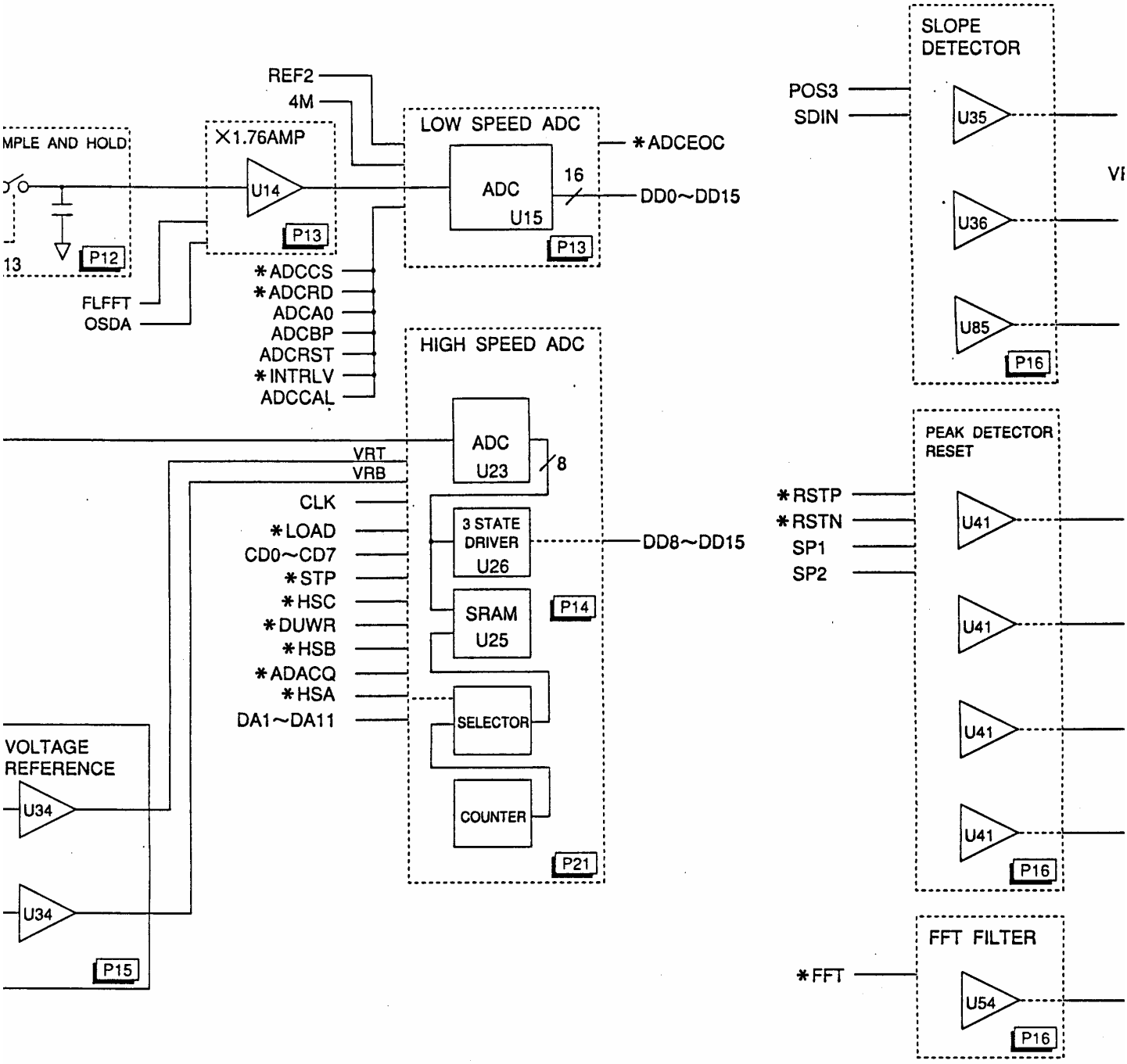

ATTENUATOR
CRNTA
U110
U111
H.P.F.
0dB/
+10dB
Q43
Q44
Q45
D44
P2
P2
10
11
S12
B
T1
U164
P2
FM
DETECTOR
P5
U129
P6
MUTE
P6
BASE
LINE
LIMITER
P4
PULSE
STRETCHER
P4
VIN (TO A/D BLOCK)
P6

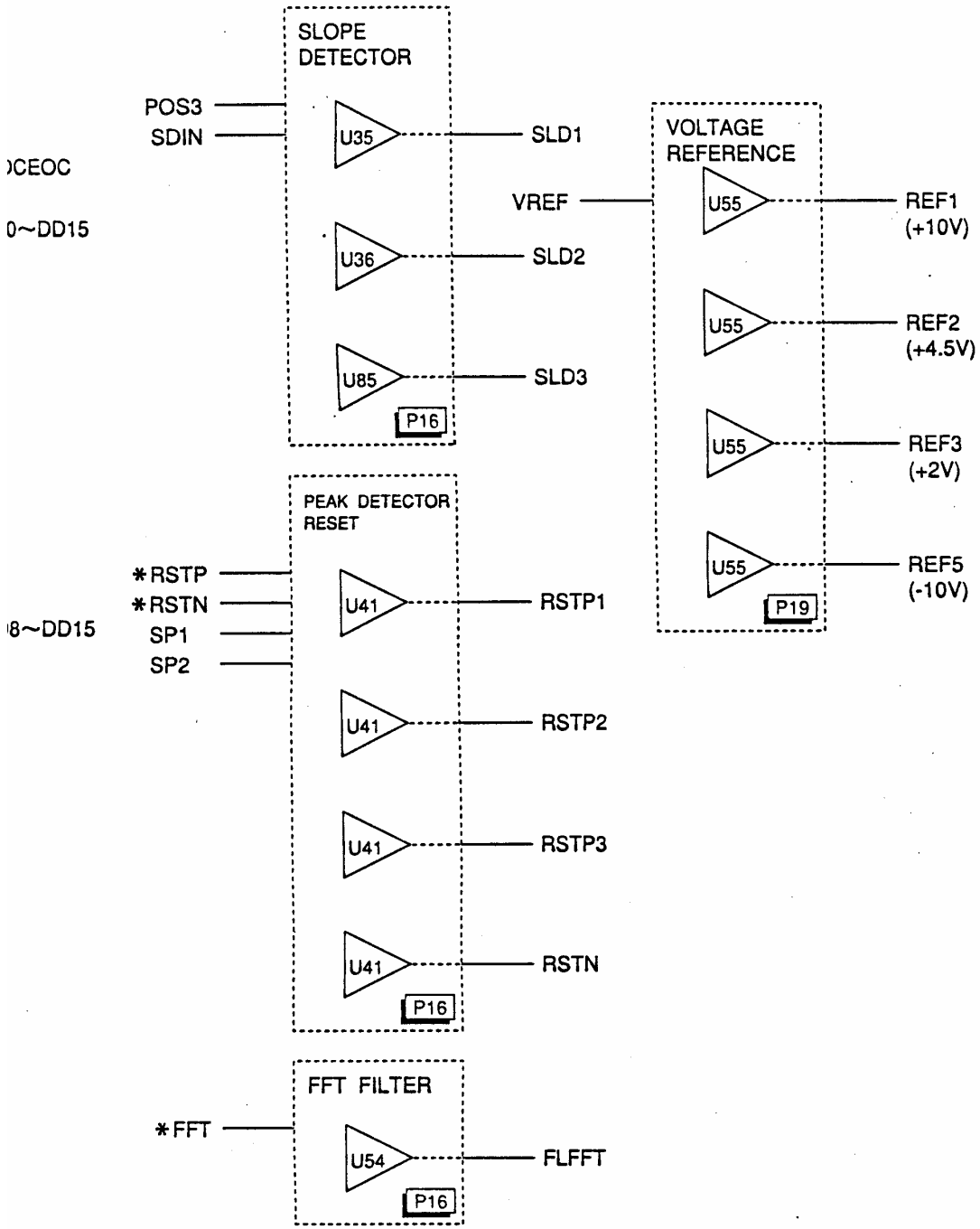

IATOR
DETECTOR
CRNTA
FULL WAVE DETECTOR
L.P.F.
TP15
U112
P3
TEMP
OFS
P2
U117
P5
COUNT OUT (TO CPU Board)
J9 P5
U129
P6
FM
AM
DAC
P6
P6
J10
AUDIO OUT
(TO Speaker)
P6
AUDIO VOLUME
MUTE
P6
P6

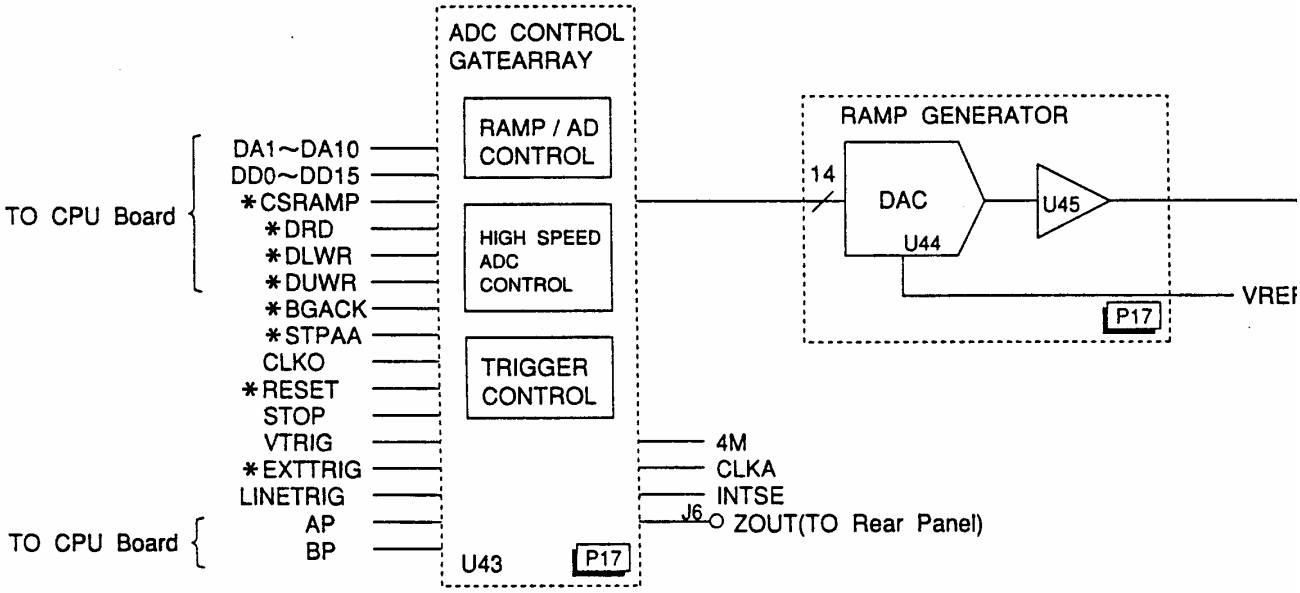

INPUTMUX
VIN
LOGC
(J5) IF J5
(J4)INPUT J4
REF3
GNDA
+1V
-1V
U1
P9
SA0
SA1
SA2
ASWT
*NOTFFT
*GUP
×1.111AMP
U2
P9
RSTP1
PDA1
HIGH SPEED POSI-PEAK DI
U3
RSTP2
PDA2
HIGH SPEED POSI-PEAK DI
U6
RSTN
NDA
HIGH SPEED NEGA-PEAK D
U9
SDIN
×10AMP
U11
P10
×1.56AMP
U22
P14

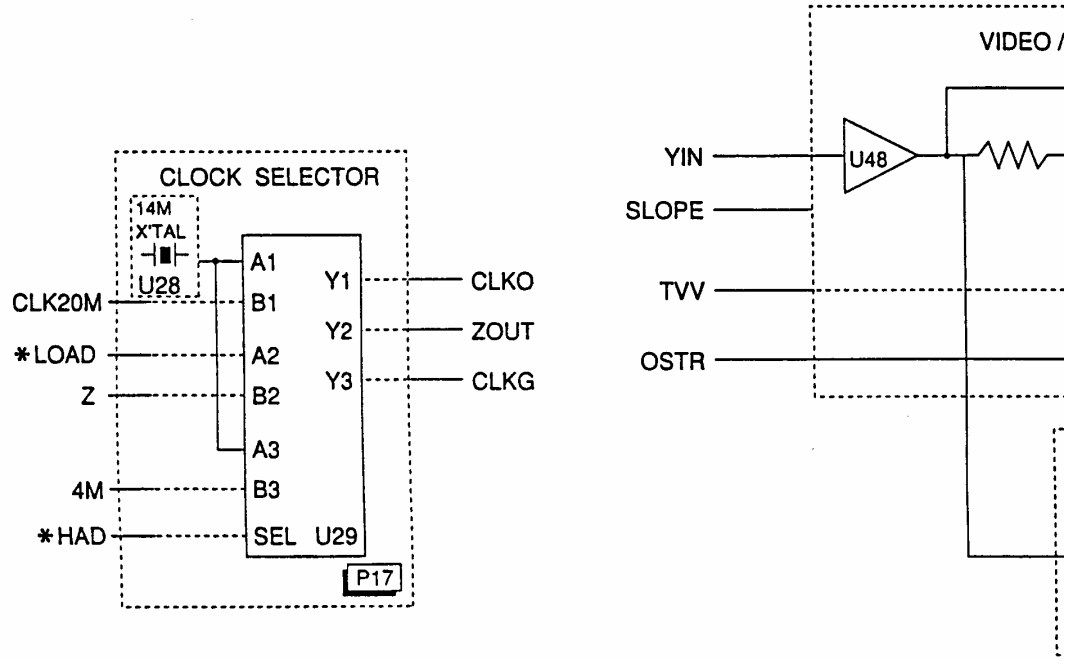

*POSI
*NEGA
*SAMPLE
*FFT
HIGH SPEED POSI-PEAK DETECTOR1
U3
U3
P9
RSTP3
MUX
U7
P.10
LOW SPEED POSI-PEAK DETECTOR
U8
U8
P10
POS3
ADC
U12
HIGH SPEED POSI-PEAK DETECTOR2
U6
U6
P9
SPL2
SPL1
HIGH SPEED NEGA-PEAK DETECTOR
U9
U9
P11
LOW SPEED NEGA-PEAK DETECTOR
U10
U10
P11
- SDIN
MUX
U7
P10
X10AMP
U11
P10
*GUP
GUP
X1.56AMP
U22
P14

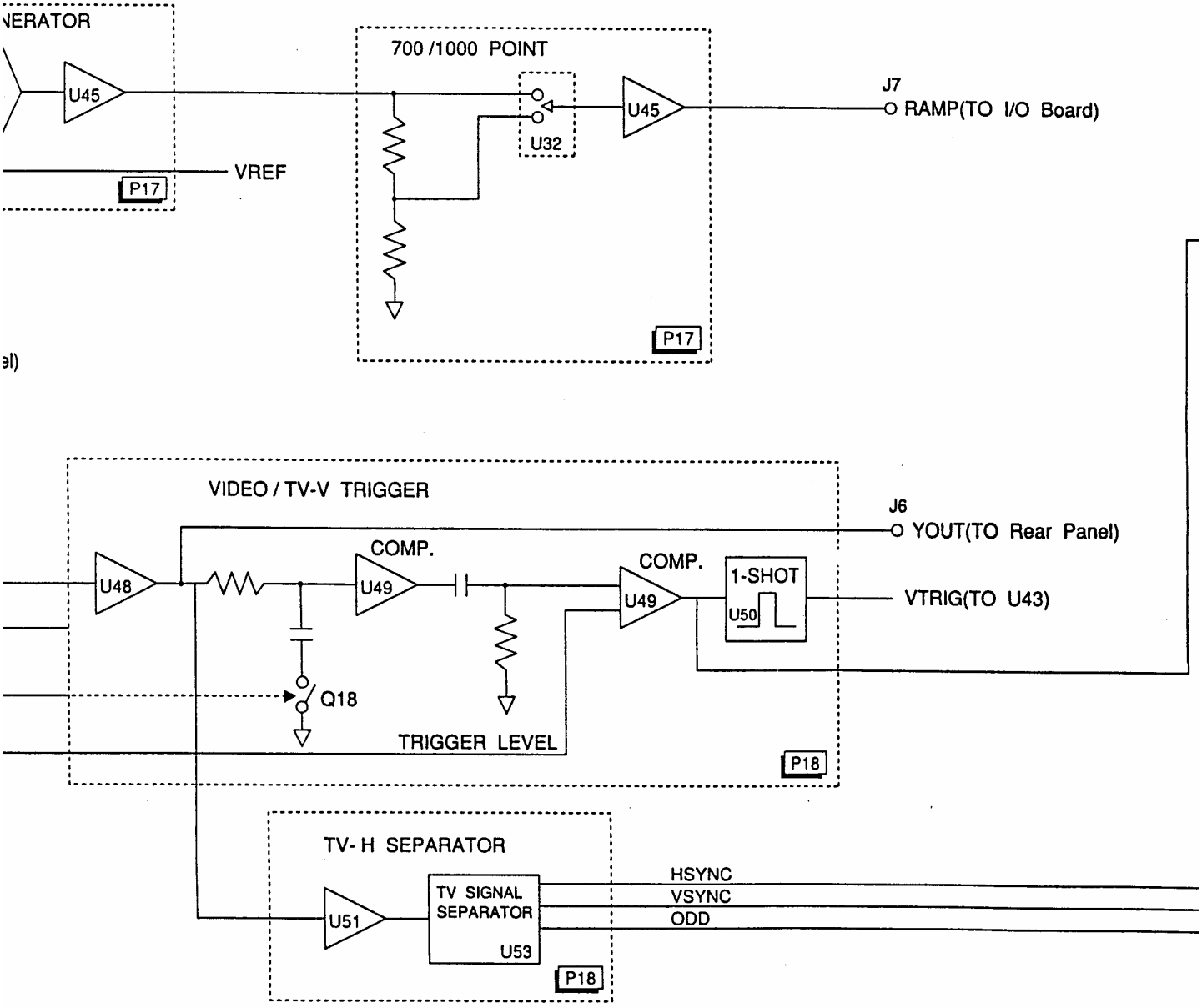

*POSI
*NEGA
*SAMPLE
*FFT
EAK DETECTOR
U8
P10
POS3
ADC MUX
U12
P12
SAMPLE AND HOLD
U13
P12
HLD
FLFFT
OSDA
×1.76AMP
U14
P13
REF2
4M
LOW SPEED ADC
ADC
U15
16
P13
*ADCCS
*ADCRD
ADCA0
ADCBP
ADCRST
*INTRLV
ADCCAL
HIGH SPEED ADC
ADC
U23
8
VRT
VRB
CLK
*LOAD
CD0~CD7
*STP
*HSC
*DUWR
*HSB
*ADACQ
*HSA
DA1~DA11
3 STATE
DRIVER
U26
SRAM
U25
P14
SELECTOR
COUNTER
P21
EAK DETECTOR
U10
P11
VOLTAGE
REFERENCE
VT
U34
VB
U34
P15

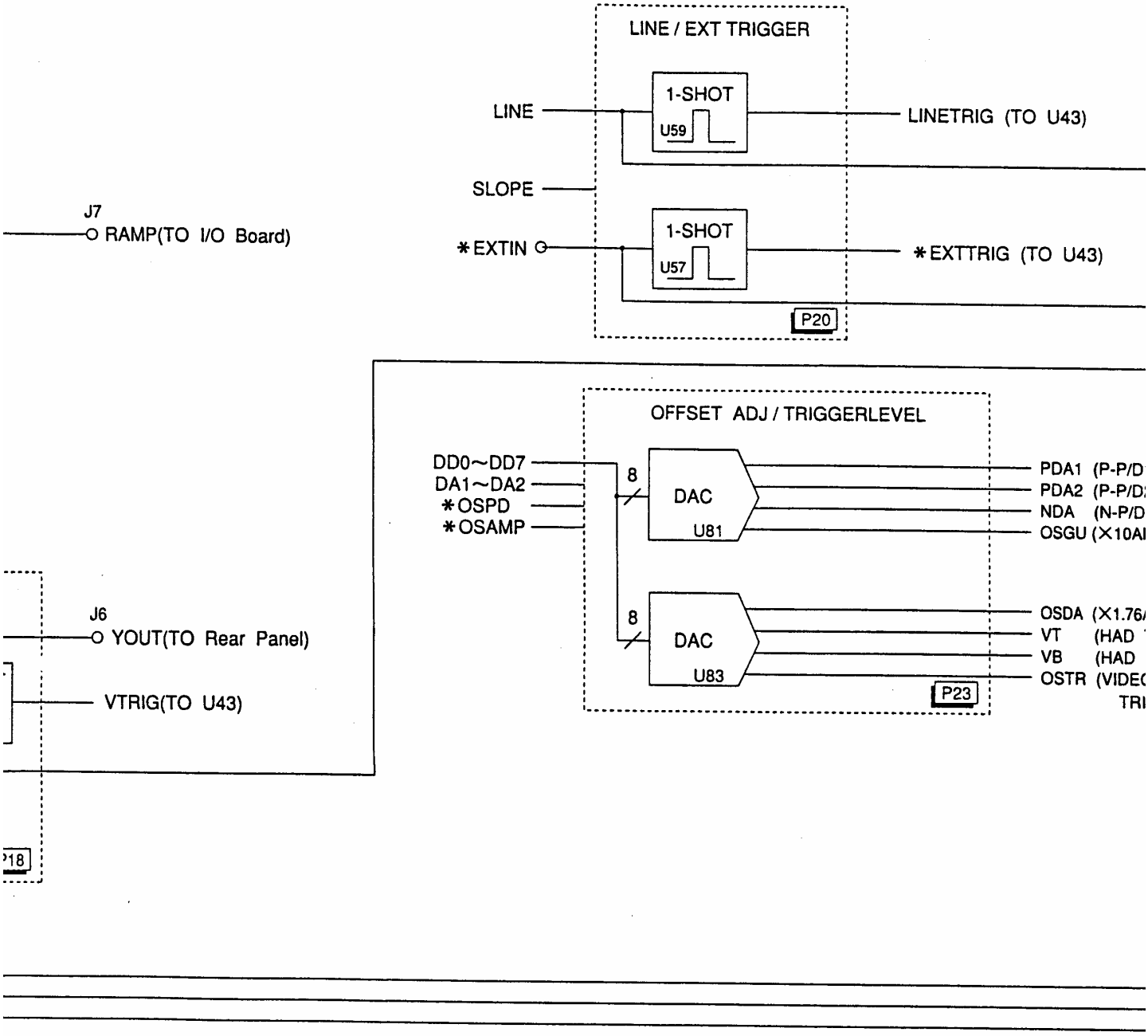

SLOPE DETECTOR
POS3
SDIN
U35
U36
U85
P16
REF2
4M
LOW SPEED ADC
*ADCEOC
ADC U15
16
DD0~DD15
P13
MPLE AND HOLD
×1.76AMP
U14
P13
P12
13
FLFFT
OSDA
*ADCCS
*ADCRD
ADCA0
ADCBP
ADCRST
*INTRLV
ADCCAL
HIGH SPEED ADC
ADC U23
8
VRT
VRB
CLK
*LOAD
CD0~CD7
*STP
*HSC
*DUWR
*HSB
*ADACQ
*HSA
DA1~DA11
3 STATE DRIVER U26
DD8~DD15
SRAM U25
P14
SELECTOR
COUNTER
P21
PEAK DETECTOR RESET
*RSTP
*RSTN
SP1
SP2
U41
U41
U41
U41
P16
VOLTAGE REFERENCE
U34
U34
P15
FFT FILTER
*FFT
U54
P16

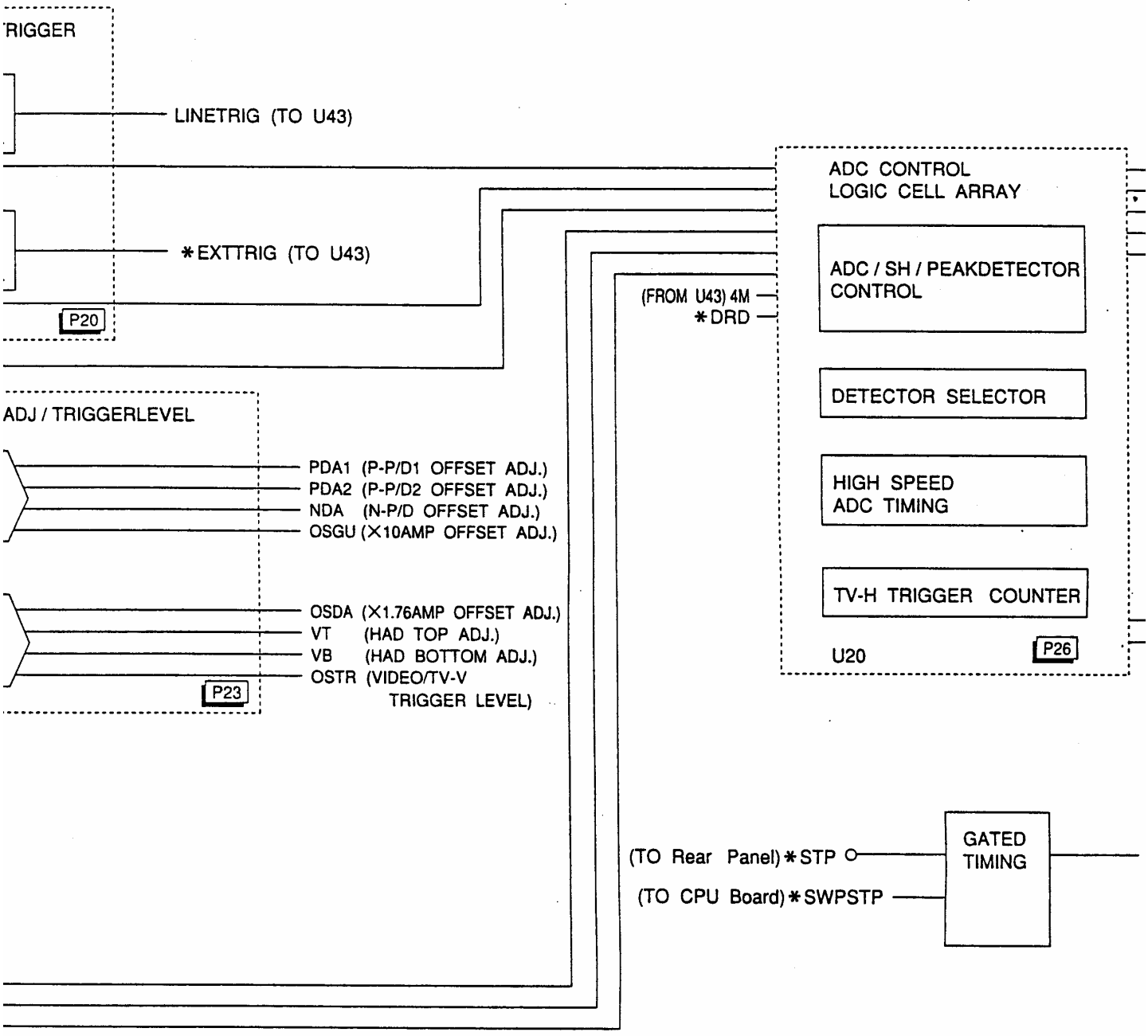

SLOPE
DETECTOR
POS3
SDIN
U35
SLD1
U36
SLD2
U85
SLD3
P16
VOLTAGE
REFERENCE
VREF
U55
REF1
(+10V)
U55
REF2
(+4.5V)
U55
REF3
(+2V)
U55
REF5
(-10V)
P19
PEAK DETECTOR
RESET
*RSTP
*RSTN
SP1
SP2
U41
RSTP1
U41
RSTP2
U41
RSTP3
U41
RSTN
P16
FFT FILTER
*FFT
U54
FLFFT
P16

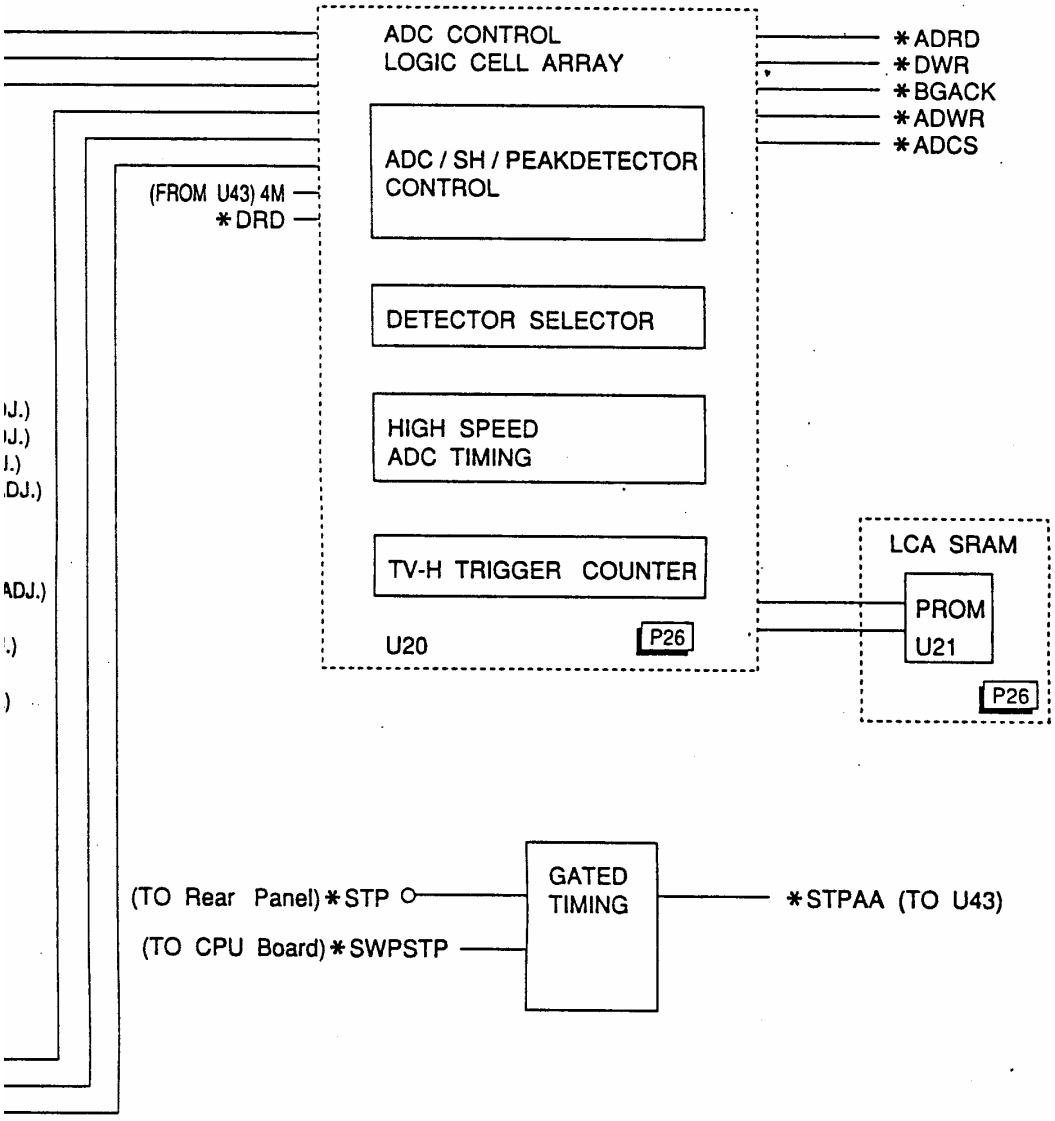

ADC CONTROL
GATEARRAY
RAMP / AD
CONTROL
HIGH SPEED
ADC
CONTROL
TRIGGER
CONTROL
TO CPU Board
DA1~DA10
DD0~DD15
*CSRAMP
*DRD
*DLWR
*DUWR
*BGACK
*STPAA
CLKO
*RESET
STOP
VTRIG
*EXTTRIG
LINETRIG
TO CPU Board
AP
BP
U43
P17
RAMP GENERATOR
14
DAC
U44
U45
P17
VREF
4M
CLKA
INTSE
J6
ZOUT(TO Rear Panel)


CLOCK SELECTOR
14M
X'TAL
U28
CLK20M
*LOAD
Z
4M
*HAD
A1
B1
A2
B2
A3
B3
SEL
U29
Y1
Y2
Y3
CLKO
ZOUT
CLKG
P17
VIDEO /
YIN
SLOPE
TVV
OSTR
U48


NERATOR
U45
VREF
P17
700 /1000 POINT
U32
U45
J7
RAMP(TO I/O Board)
P17
VIDEO / TV-V TRIGGER
J6
YOUT(TO Rear Panel)
U48
COMP.
U49
COMP.
U49
1-SHOT
U50
VTRIG(TO U43)
Q18
TRIGGER LEVEL
P18
TV- H SEPARATOR
U51
TV SIGNAL
SEPARATOR
U53
HSYNC
VSYNC
ODD
P18


LINE / EXT TRIGGER
LINE
1-SHOT
U59
LINETRIG (TO U43)
SLOPE
J7
RAMP(TO I/O Board)
*EXTIN
1-SHOT
U57
*EXTTRIG (TO U43)
P20
OFFSET ADJ / TRIGGERLEVEL
DD0~DD7
DA1~DA2
*OSPD
*OSAMP
8
DAC
U81
PDA1 (P-P/D
PDA2 (P-P/D
NDA (N-P/D
OSGU (X10A
8
DAC
U83
OSDA (X1.76
VT (HAD
VB (HAD
OSTR (VIDE
TRI
P23
J6
YOUT(TO Rear Panel)
VTRIG(TO U43)
P18


RIGGER
LINETRIG (TO U43)
*EXTTRIG (TO U43)
P20
ADJ / TRIGGERLEVEL
PDA1 (P-P/D1 OFFSET ADJ.)
PDA2 (P-P/D2 OFFSET ADJ.)
NDA (N-P/D OFFSET ADJ.)
OSGU (X10AMP OFFSET ADJ.)
OSDA (X1.76AMP OFFSET ADJ.)
VT (HAD TOP ADJ.)
VB (HAD BOTTOM ADJ.)
OSTR (VIDEO/TV-V TRIGGER LEVEL)
P23
ADC CONTROL LOGIC CELL ARRAY
(FROM U43) 4M
*DRD
ADC / SH / PEAKDETECTOR CONTROL
DETECTOR SELECTOR
HIGH SPEED ADC TIMING
TV-H TRIGGER COUNTER
U20
P26
(TO Rear Panel) *STP
(TO CPU Board) *SWPSTP
GATED TIMING


ADC CONTROL
LOGIC CELL ARRAY
*ADRD
*DWR
*BGACK
*ADWR
*ADCS
ADC / SH / PEAKDETECTOR
CONTROL
(FROM U43) 4M
*DRD
DETECTOR SELECTOR
HIGH SPEED
ADC TIMING
TV-H TRIGGER COUNTER
U20
P26
LCA SRAM
PROM
U21
P26
(TO Rear Panel) *STP
(TO CPU Board) *SWPSTP
GATED
TIMING
*STPAA (TO U43)

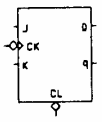
# ■ DIAGRAMS ILLUSTRATION

## SYMBOLS REFERENCE DESIGNATORS

IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

ITORS

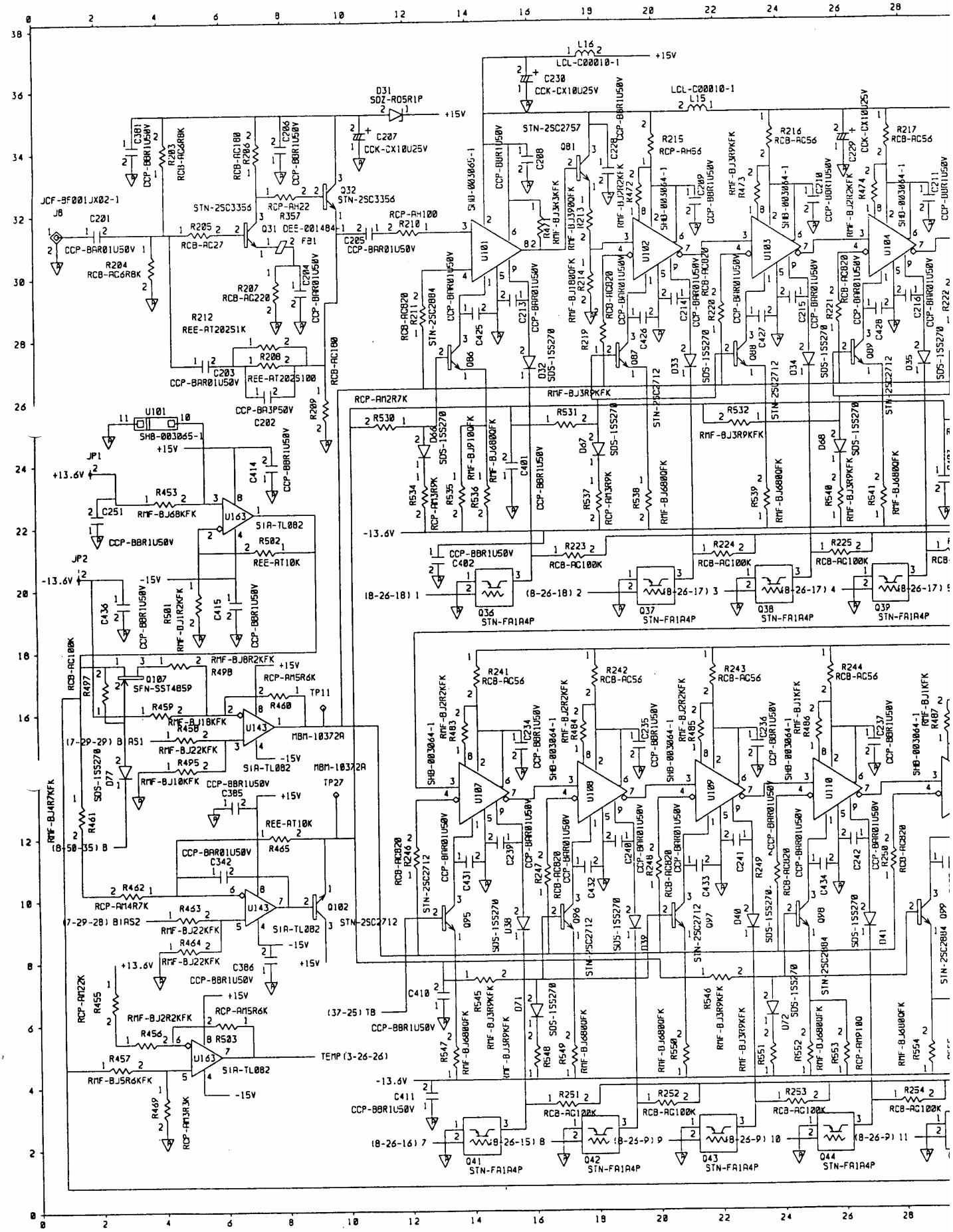
NEGATIVE LOGIC ARE
SMALL LETTER)

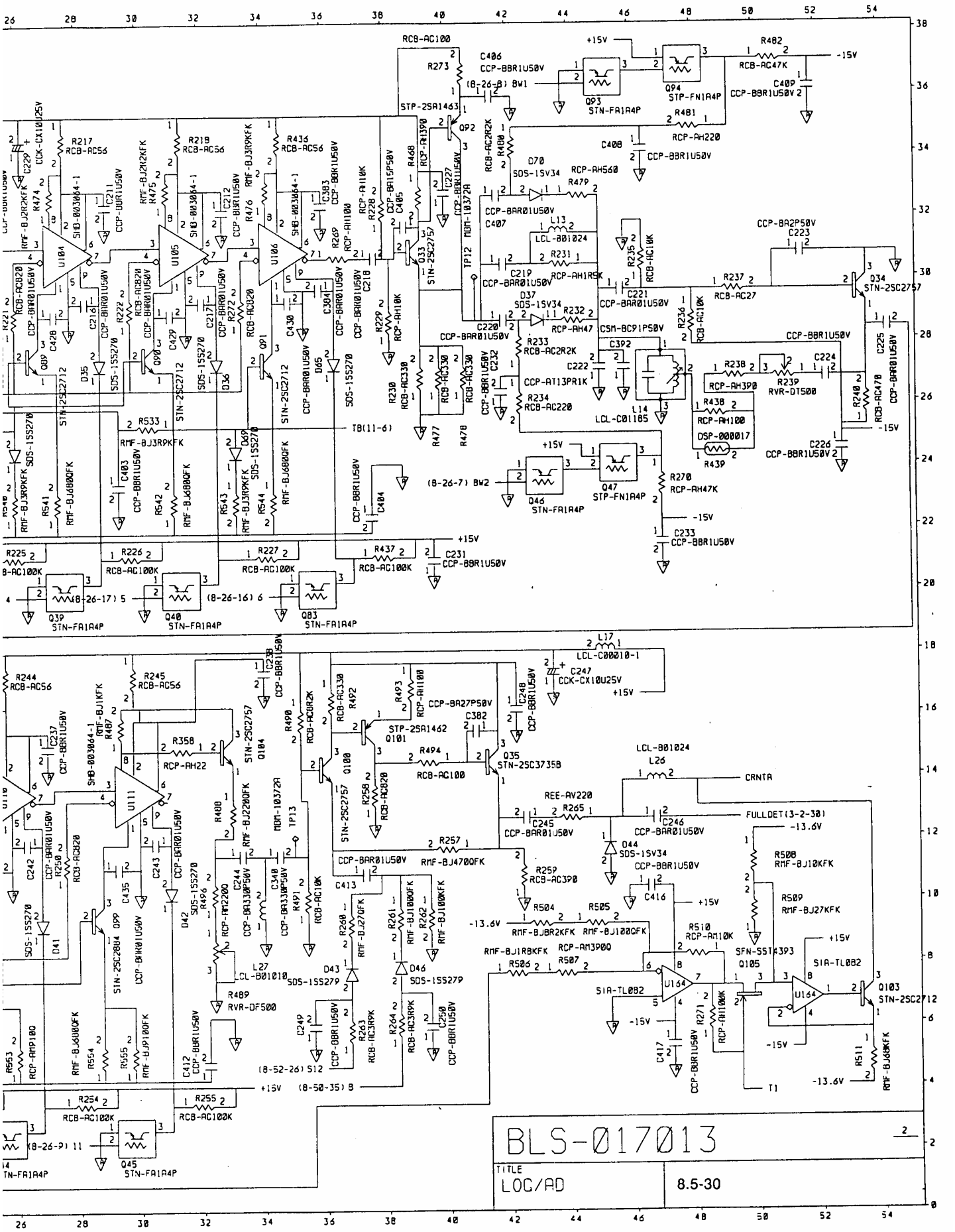


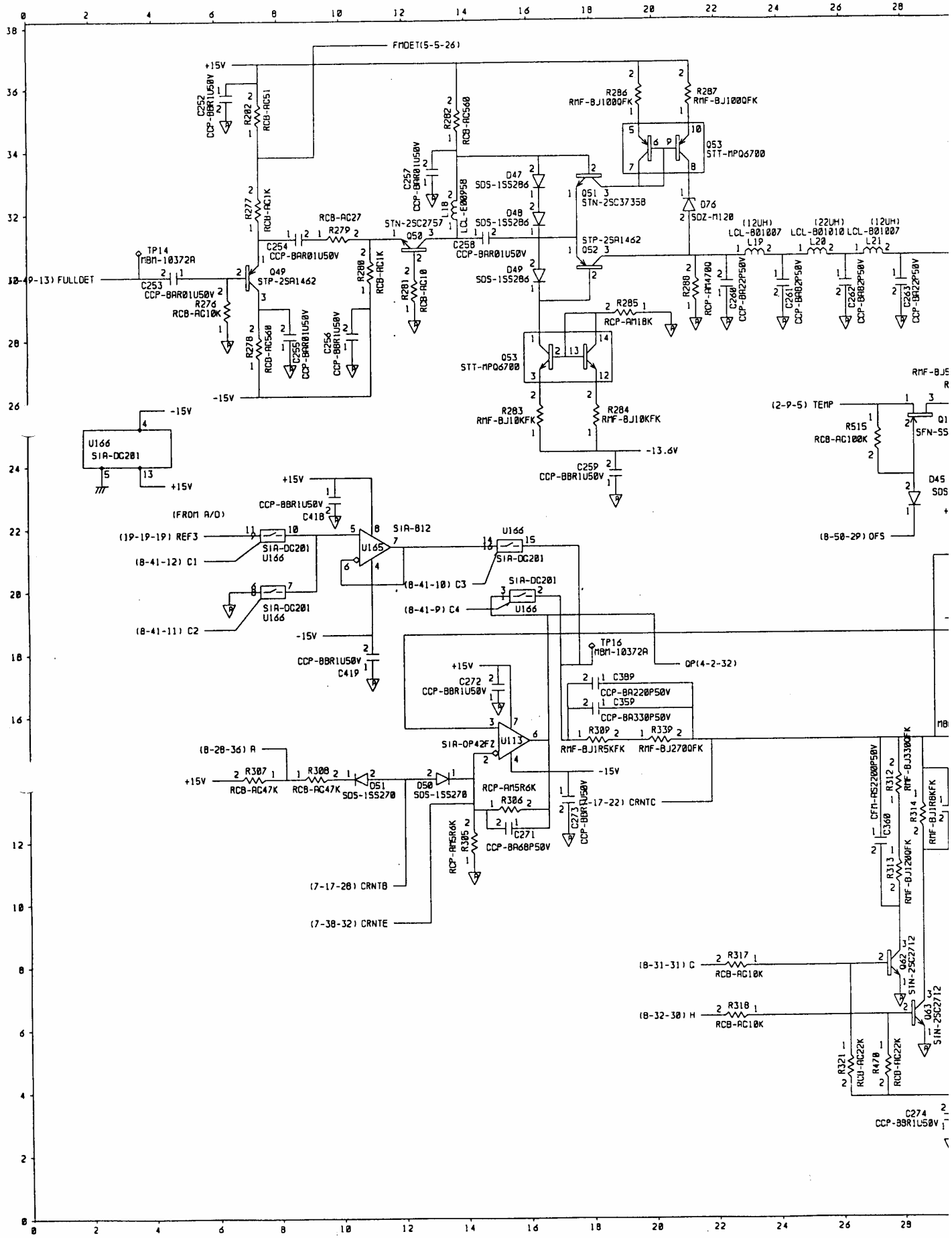

BLS-017013

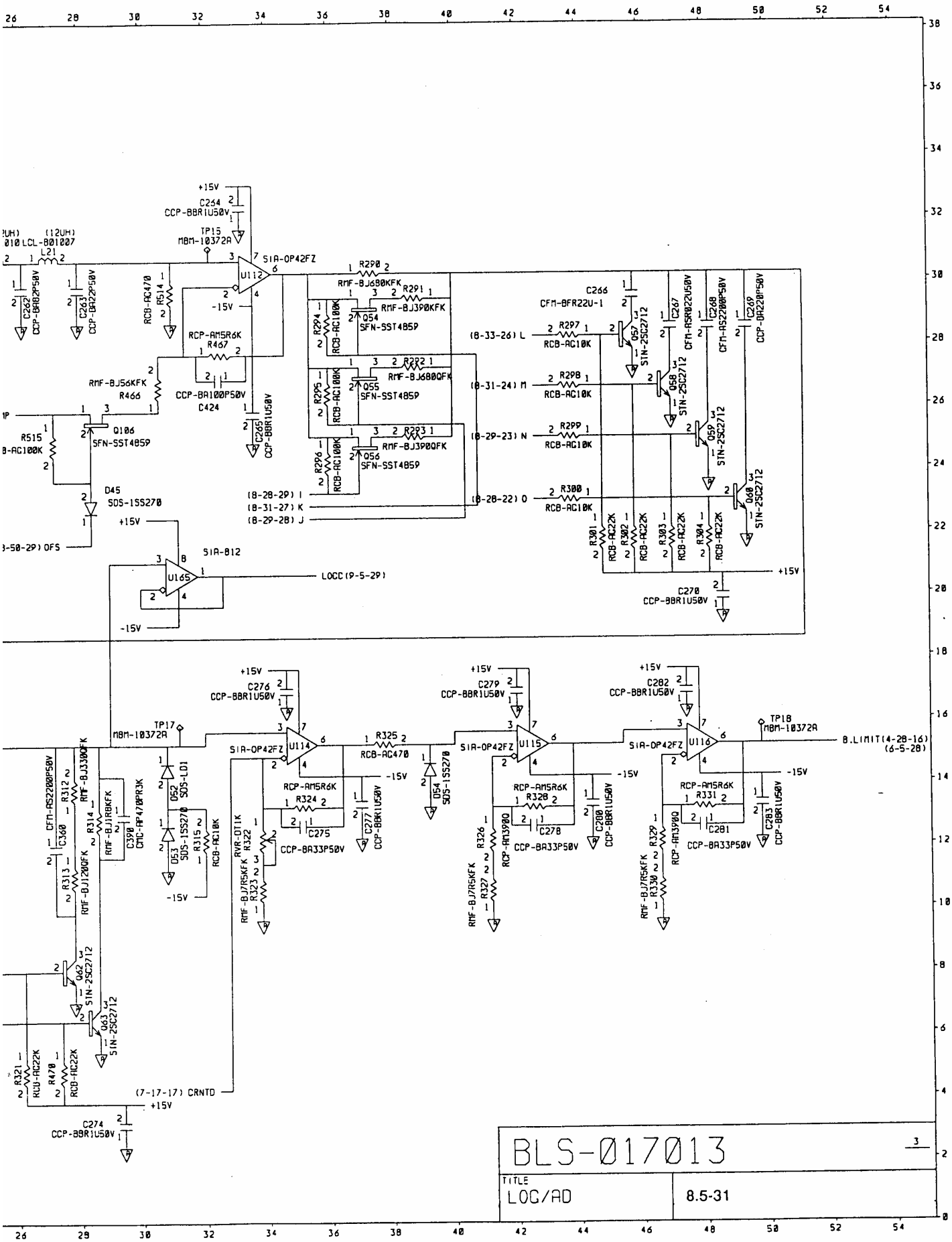
TITLE
LOG/AD

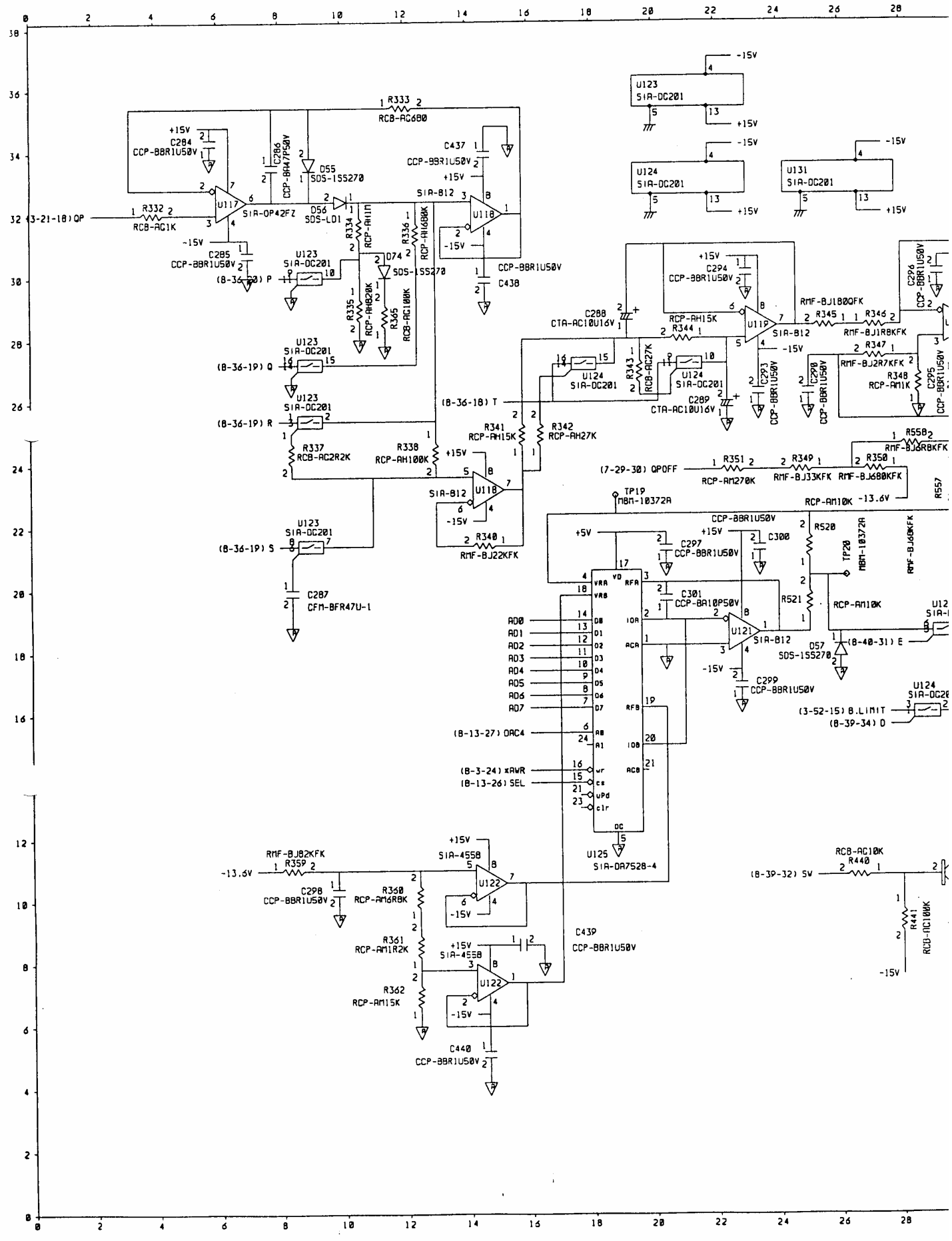
8.5-29

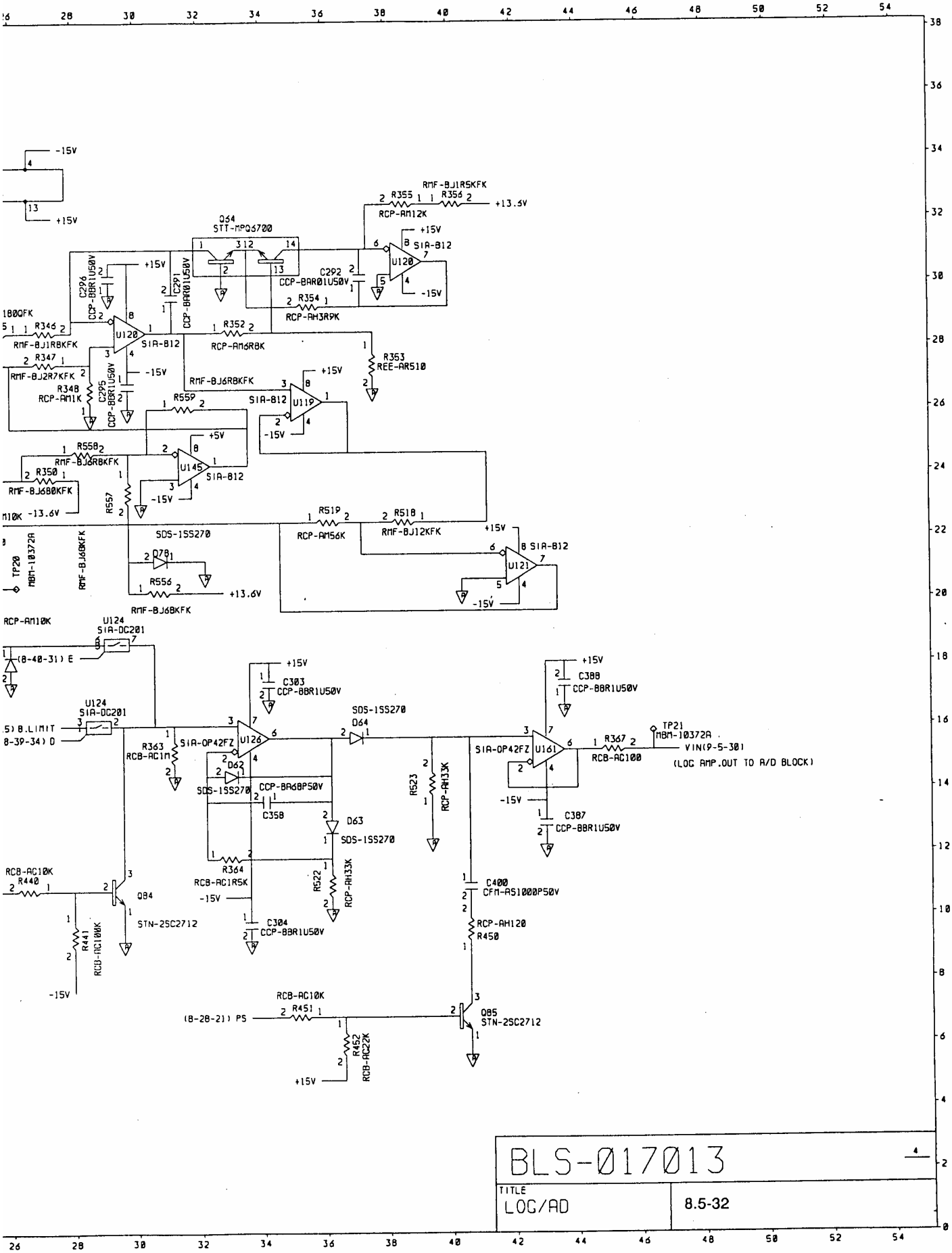



BLS-017013
TITLE
LOG/AD
8.5-30


FMDET(5-5-26)
+15V
C252 CCP-BBR1U50V
R282 RCB-AC51
R282 RCB-AC560
R286 RMF-BJ1000FK
R287 RMF-BJ100QFK
Q53 STT-MPQ6700
C257 CCP-BAR01U50V
L18 LCL-E0005P58
D47 SDS-1SS286
Q51 STN-2SC3735B
D76 SDZ-M120
R277 RCB-AC1K
RCB-AC27
R279
STN-2SC2757 Q50
D48 SDS-1SS286
STP-2SA1462 Q52
(12UH) LCL-B01007 L19
(22UH) LCL-B01010 L20
(12UH) LCL-B01007 L21
TP14 MBM-10372A
C254 CCP-BAR01U50V
Q49 STP-2SA1462
C258 CCP-BAR01U50V
D49 SDS-1SS286
R280 RCP-AM470Q
C260 CCP-BA22P50V
C261 CCP-BA02P50V
C262 CCP-BA02P50V
C263 CCP-BA22P50V
(8-49-13) FULLDET
C253 CCP-BAR01U50V
R276 RCB-AC10K
R278 RCB-AC560
C255 CCP-BAR01U50V
C256 CCP-BBR1U50V
R280 RCB-AC1K
R281 RCB-AC10
R285 RCP-AM18K
Q53 STT-MPQ6700
-15V
R283 RMF-BJ10KFK
R284 RMF-BJ10KFK
-13.6V
C259 CCP-BBR1U50V
U166 S1A-DC201
(2-9-5) TEMP
R515 RCB-AC100K
SFN-SS
D45 SDS
(8-50-29) OFS
(FROM A/D)
(19-19-19) REF3
(8-41-12) C1
(8-41-11) C2
S1A-DC201 U166
U165 S1A-812
(8-41-10) C3
(8-41-9) C4
C418 CCP-BBR1U50V
C419 CCP-BBR1U50V
TP16 MBM-10372A
OP(4-2-32)
C272 CCP-BBR1U50V
C389 CCP-BA220P50V
C359 CCP-BA330P50V
U113 S1A-OP42FZ
R309 RMF-BJ1R5KFK
R339 RMF-BJ270QFK
(8-28-36) A
R307 RCB-AC47K
R308 RCB-AC47K
DS1 SDS-1SS270
DS0 SDS-1SS270
RCP-AM5R6K
R306
C271 CCP-BA68P50V
C273 CCP-BBR1U50V
(7-17-22) CRNTC
(7-17-28) CRNTB
(7-38-32) CRNTE
RCP-AM5R6K R305
CFH-AS2200P50V
C360
R312
RMF-BJ330QFK
R314
RMF-BJ1R0KFK
R313
RMF-BJ1200FK
(8-31-31) C
R317
RCB-AC10K
Q62 SIN-2SC2712
(8-32-30) H
R318
RCB-AC10K
Q63 SIN-2SC2712
R321 RCB-AC22K
R470 RCB-AC22K
C274 CCP-BBR1U50V


BLS-017013
3
TITLE
LOC/AD
8.5-31

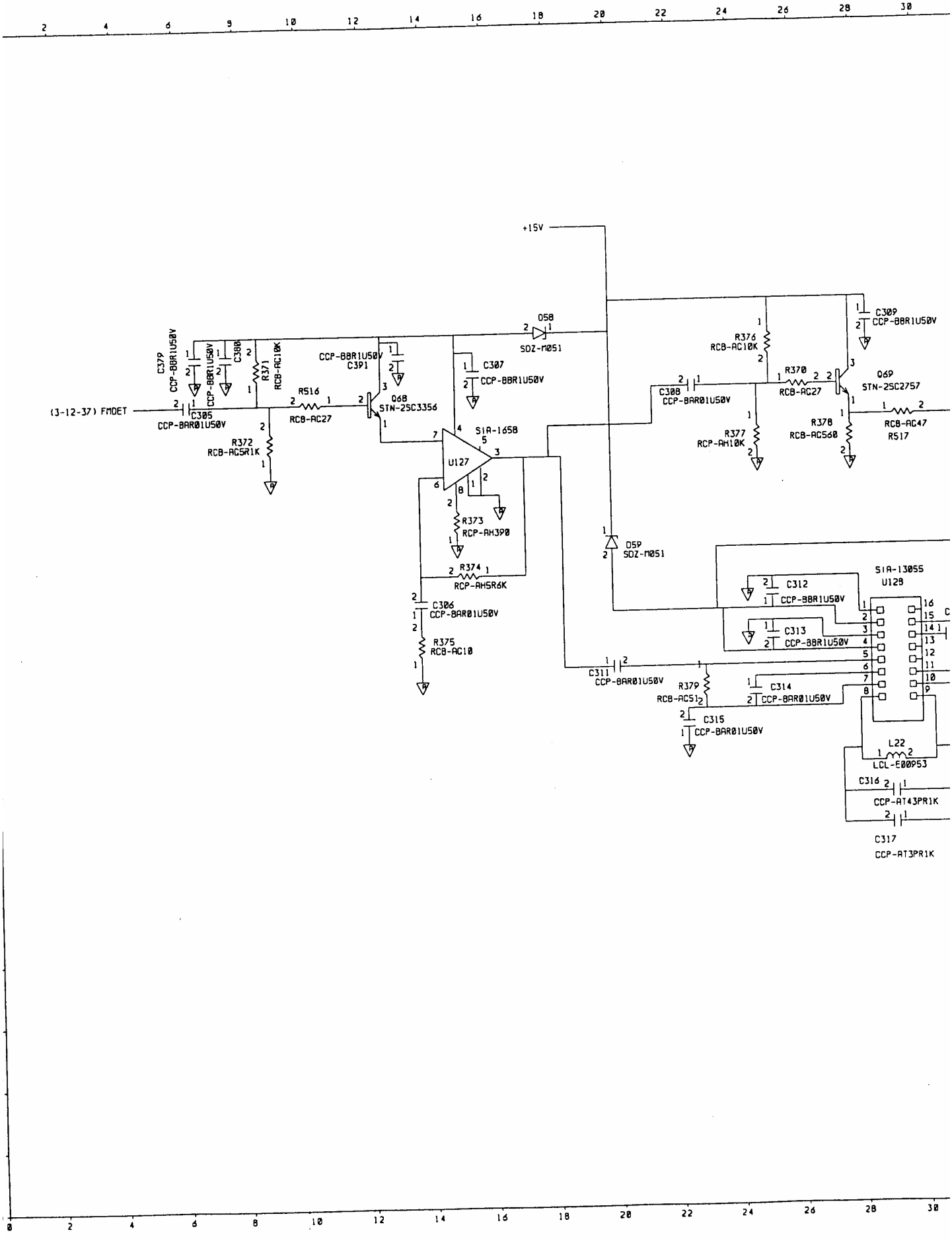

U123 SIA-OC201
U124 SIA-OC201
U131 SIA-OC201
U117 SIA-OP42FZ
U118 SIA-812
U119 SIA-812
U121 SIA-812
U122 SIA-4558
U125 SIA-DA7528-4
R333 RCB-AC680
R332 RCB-AC1K
R334 RCP-AM11M
R335 RCP-AM820K
R336 RCP-AM680K
R365 RCB-AC100K
R337 RCB-AC2R2K
R338 RCP-AM100K
R341 RCP-AM15K
R342 RCP-AM27K
R340 RMF-BJ22KFK
R343 RCB-AC27K
R344 RCP-AM15K
R345 RMF-BJ180QFK
R346 RMF-BJ1R8KFK
R347 RMF-BJ2R7KFK
R348 RCP-AM1K
R349 RMF-BJ33KFK
R350 RMF-BJ680KFK
R351 RCP-AM270K
R520
R521 RCP-AM10K
R359 RMF-BJ82KFK
R360 RCP-AM6R8K
R361 RCP-AM1R2K
R362 RCP-AM15K
R440 RCB-AC10K
R441 RCB-AC100K
C284 CCP-BBR1U50V
C285 CCP-BBR1U50V
C286 CCP-BA47P50V
C287 CFM-BFR47U-1
C288 CTA-AC10U16V
C289 CTA-AC10U16V
C290 CCP-BBR1U50V
C293 CCP-BBR1U50V
C294 CCP-BBR1U50V
C295 CCP-BBR1U50V
C296 CCP-BBR1U50V
C297 CCP-BBR1U50V
C298 CCP-BBR1U50V
C299 CCP-BBR1U50V
C300
C301 CCP-BA10P50V
C437 CCP-BBR1U50V
C438 CCP-BBR1U50V
C439 CCP-BBR1U50V
C440 CCP-BBR1U50V
D55 SDS-1SS270
D56 SDS-LD1
D74 SDS-1SS270
D57 SDS-1SS270
TP19 MBM-10372A
TP20 MBM-10372A
(3-21-18) QP
(8-36-20) P
(8-36-19) Q
(8-36-19) R
(8-36-19) S
(8-36-18) T
(7-29-30) QPOFF
(8-40-31) E
(3-52-15) B.LIMIT
(8-39-34) D
(8-13-27) DAC4
(8-3-24) xAWR
(8-13-26) SEL
(8-39-32) SW
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
+15V
-15V
-13.6V

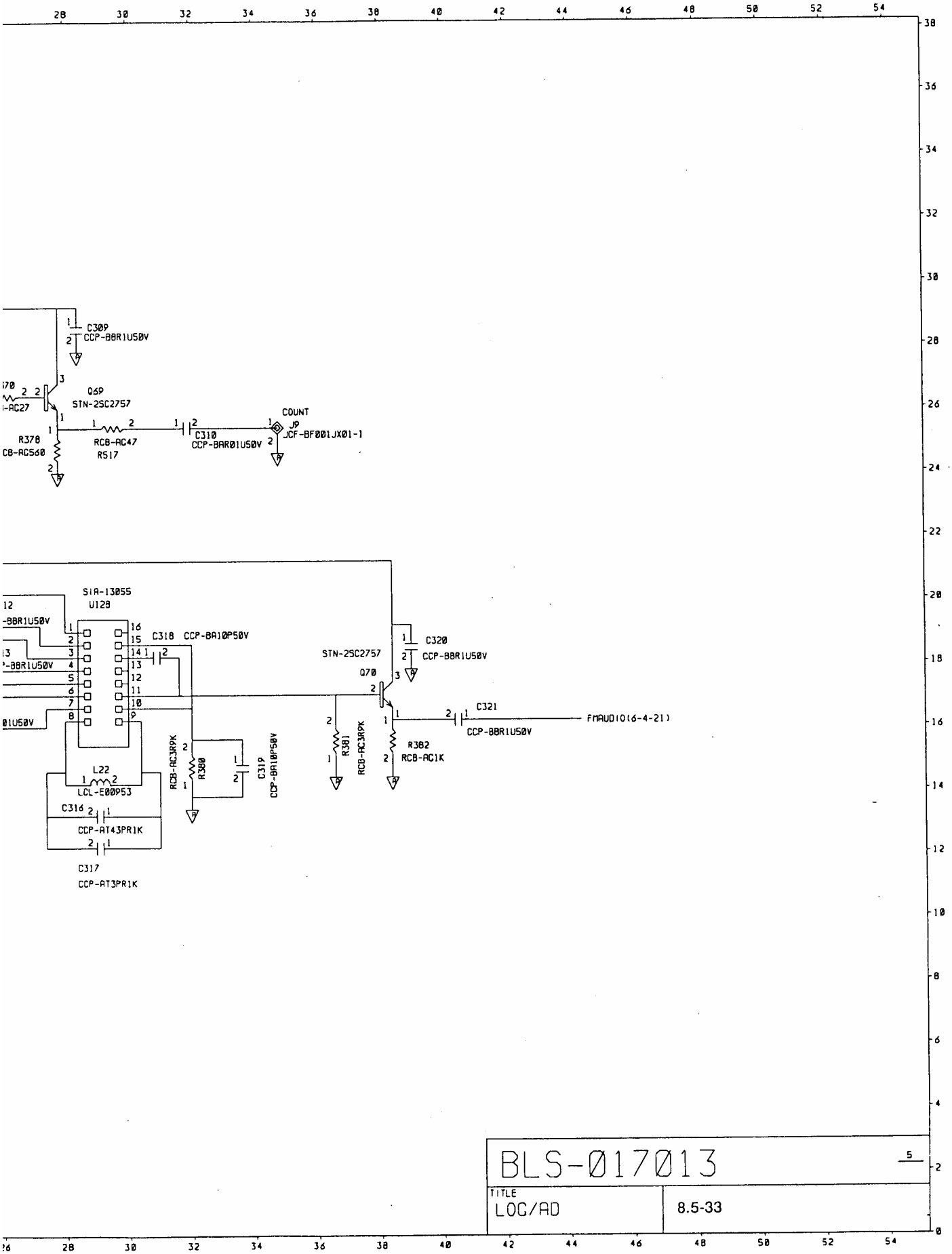



BLS-017013

4

| TITLE | |
|---|---|
| LOG/AD | 8.5-32 |


+15V
D58
SDZ-M051
C309
CCP-B8R1U50V
R376
RCB-AC10K
R370
RCB-AC27
Q69
STN-2SC2757
C308
CCP-BAR01U50V
R377
RCP-AH10K
R378
RCB-AC560
RCB-AC47
R517
C379
CCP-B8R1U50V
C380
CCP-B8R1U50V
R371
RCB-AC10K
CCP-B8R1U50V
C391
C307
CCP-B8R1U50V
R516
RCB-AC27
Q68
STN-2SC3356
(3-12-37) FMDET
C305
CCP-BAR01U50V
R372
RCB-AC5R1K
S1A-1658
U127
R373
RCP-AH390
R374
RCP-AH5R6K
C306
CCP-BAR01U50V
R375
RCB-AC10
D59
SDZ-M051
S1A-13055
U128
C312
CCP-B8R1U50V
C313
CCP-B8R1U50V
C311
CCP-BAR01U50V
R379
RCB-AC51
C314
CCP-BAR01U50V
C315
CCP-BAR01U50V
L22
LCL-E00953
C316
CCP-AT43PR1K
C317
CCP-AT3PR1K

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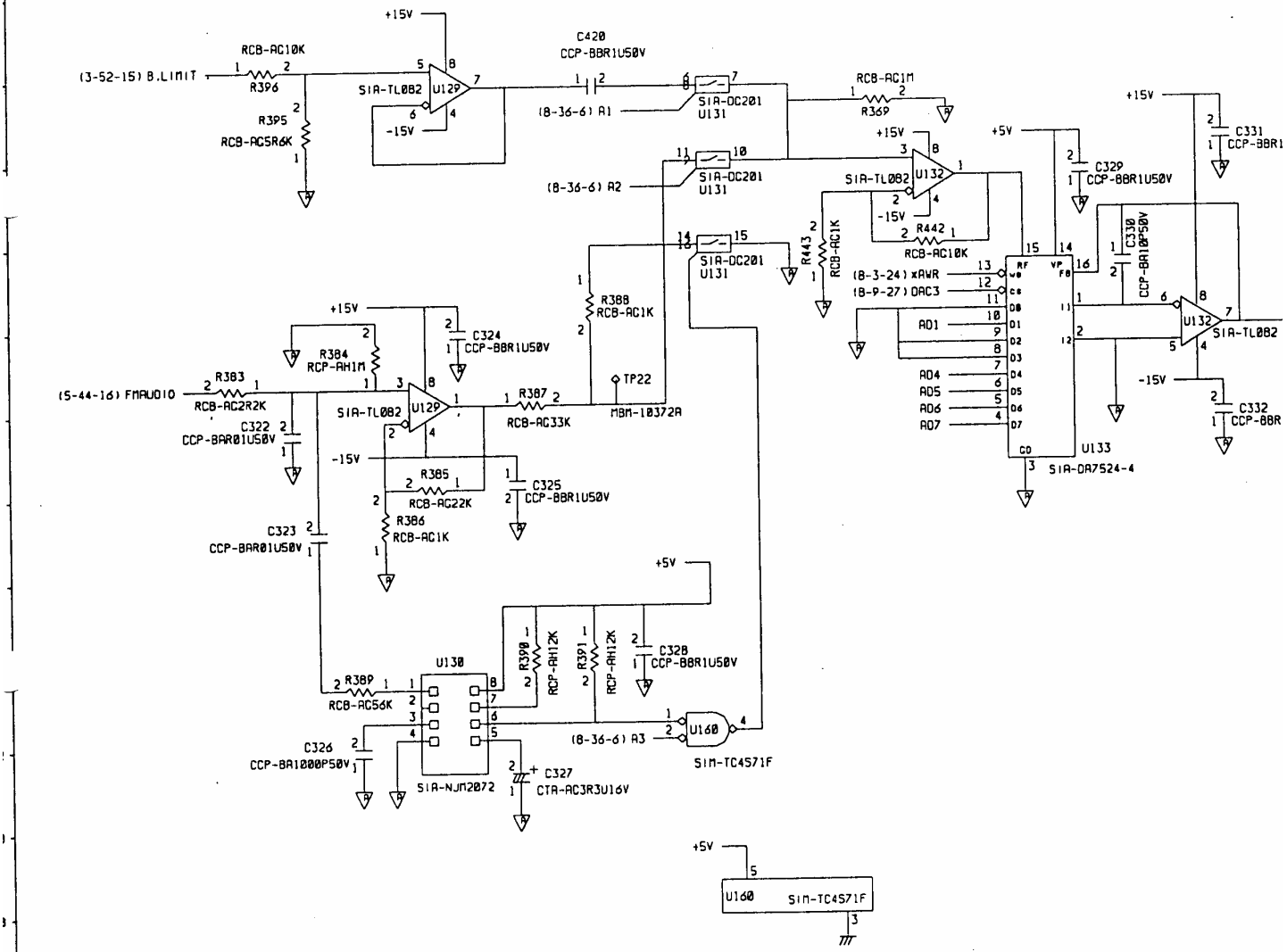
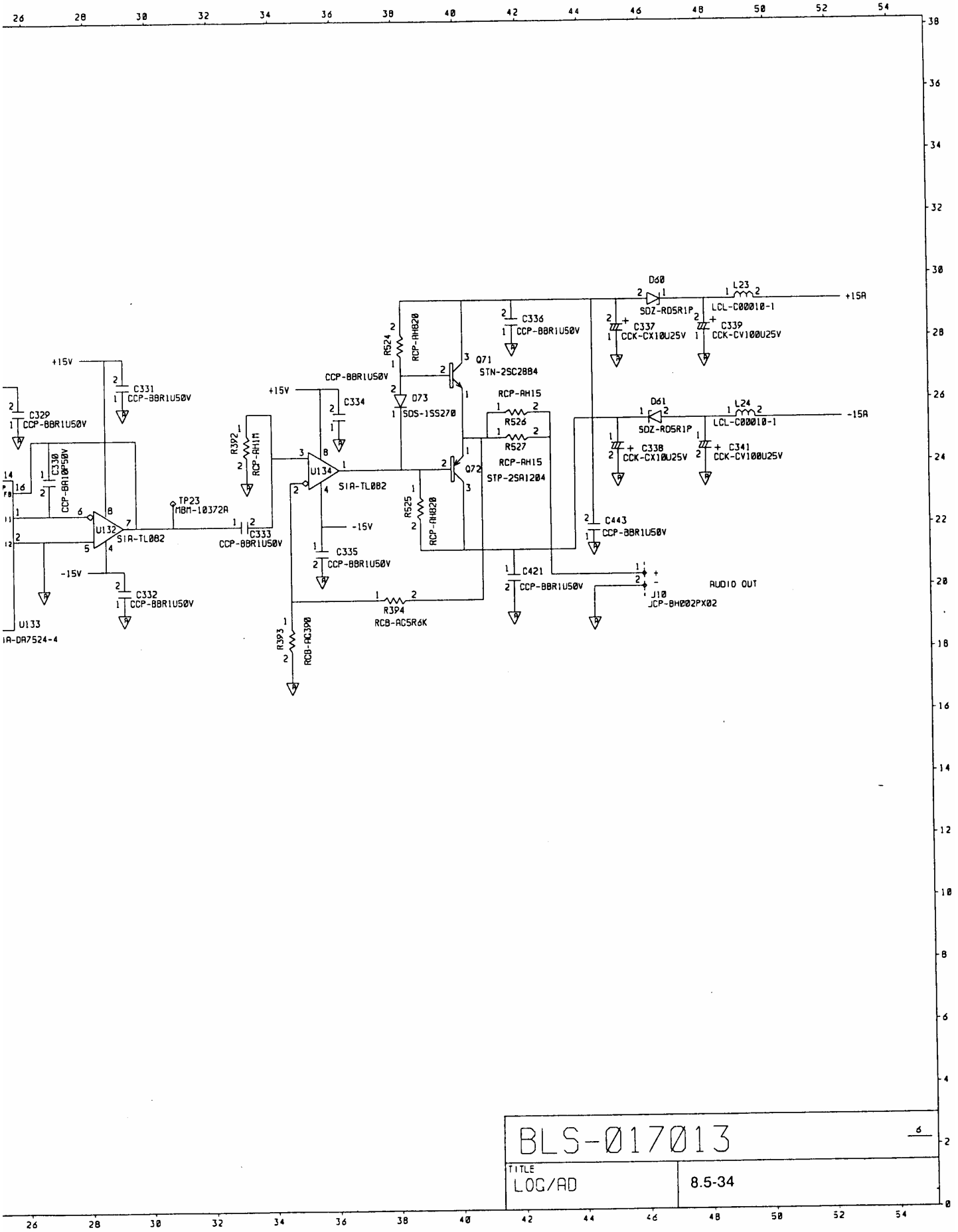
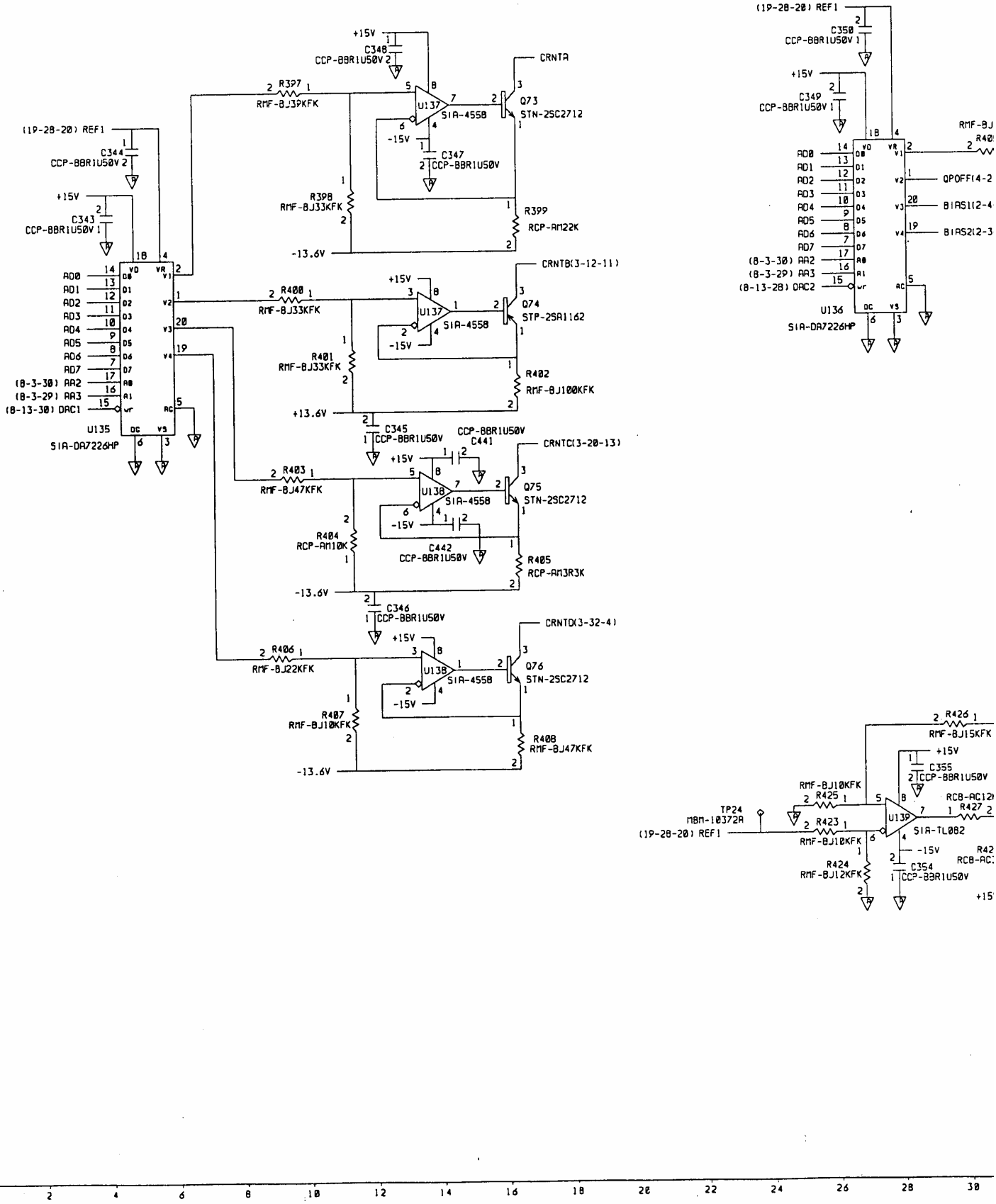
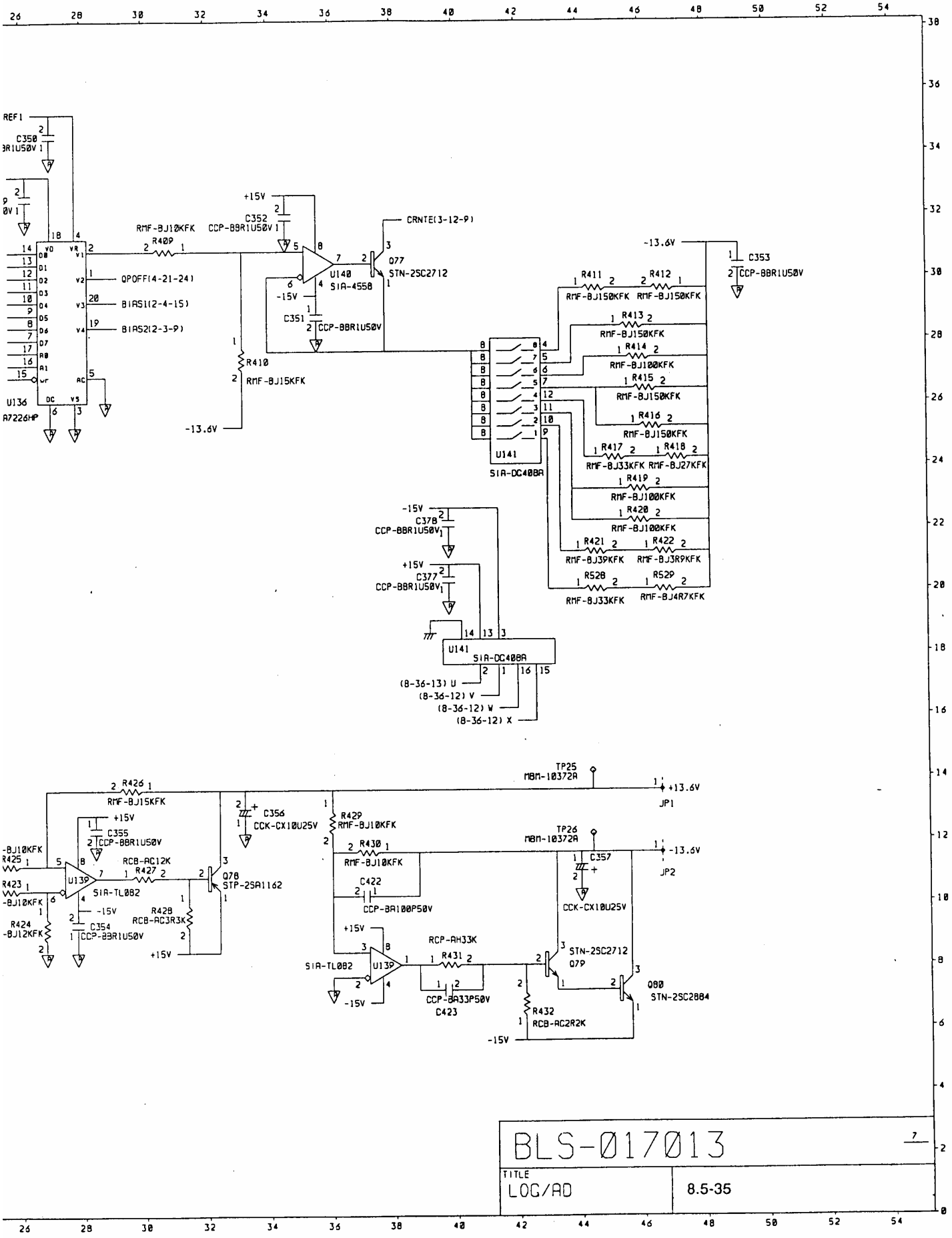
|---|---|
| BLS-017013 | 5 |
| TITLE LOC/AD | 8.5-33 |


+15V
RCB-AC10K
(3-52-15) B.LIMIT
R396
R395
RCB-AC5R6K
SIA-TL082
U129
-15V
C420
CCP-BBR1U50V
(8-36-6) A1
SIA-DC201
U131
RCB-AC1M
R369
(8-36-6) A2
+5V
C329
CCP-BBR1U50V
C331
CCP-BBR1
U132
R442
RCB-AC10K
R443
RCB-AC1K
C330
CCP-BA10P50V
(8-3-24) xAWR
(8-9-27) DAC3
AD1
AD4
AD5
AD6
AD7
U133
SIA-DA7524-4
C332
CCP-BBR
R388
RCB-AC1K
C324
CCP-BBR1U50V
R384
RCP-AH1M
R383
RCB-AC2R2K
(5-44-16) FMAUDIO
C322
CCP-BAR01U50V
R387
RCB-AC33K
TP22
MBM-10372A
R385
RCB-AC22K
C325
CCP-BBR1U50V
R386
RCB-AC1K
C323
CCP-BAR01U50V
U130
R390
RCP-AH12K
R391
RCP-AH12K
C328
CCP-BBR1U50V
R389
RCB-AC56K
C326
CCP-BA1000P50V
SIA-NJM2072
C327
CTA-AC3R3U16V
(8-36-6) A3
U160
SIM-TC4571F




| | |
|---|---|
| BLS-017013 | 6 |
| TITLE<br>LOG/AD | 8.5-34 |


(19-28-20) REF1
C344
CCP-B8R1U50V
+15V
C343
CCP-B8R1U50V
U135
SIA-DA7226HP
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
(8-3-30) AA2
(8-3-29) AA3
(8-13-30) DAC1
R397
RMF-BJ3PKFK
U137
SIA-4558
C348
CCP-B8R1U50V
-15V
C347
CCP-B8R1U50V
Q73
STN-2SC2712
CRNTA
R398
RMF-BJ33KFK
R399
RCP-AM22K
-13.6V
R400
RMF-BJ33KFK
U137
SIA-4558
Q74
STP-2SA1162
CRNTB(3-12-11)
R401
RMF-BJ33KFK
R402
RMF-BJ100KFK
+13.6V
C345
CCP-B8R1U50V
C441
CCP-B8R1U50V
R403
RMF-BJ47KFK
U138
SIA-4558
Q75
STN-2SC2712
CRNTC(3-20-13)
R404
RCP-AM10K
C442
CCP-B8R1U50V
R405
RCP-AM3R3K
C346
CCP-B8R1U50V
R406
RMF-BJ22KFK
U138
SIA-4558
Q76
STN-2SC2712
CRNTD(3-32-4)
R407
RMF-BJ10KFK
R408
RMF-BJ47KFK
(19-28-20) REF1
C350
CCP-B8R1U50V
+15V
C349
CCP-B8R1U50V
U136
SIA-DA7226HP
QPOFF(4-2
BIAS1(2-4
BIAS2(2-3
TP24
MBM-10372A
(19-28-20) REF1
R426
RMF-BJ15KFK
+15V
C355
CCP-B8R1U50V
RMF-BJ10KFK
R425
R423
RMF-BJ10KFK
U139
SIA-TL082
R427
-15V
C354
CCP-B8R1U50V
R424
RMF-BJ12KFK

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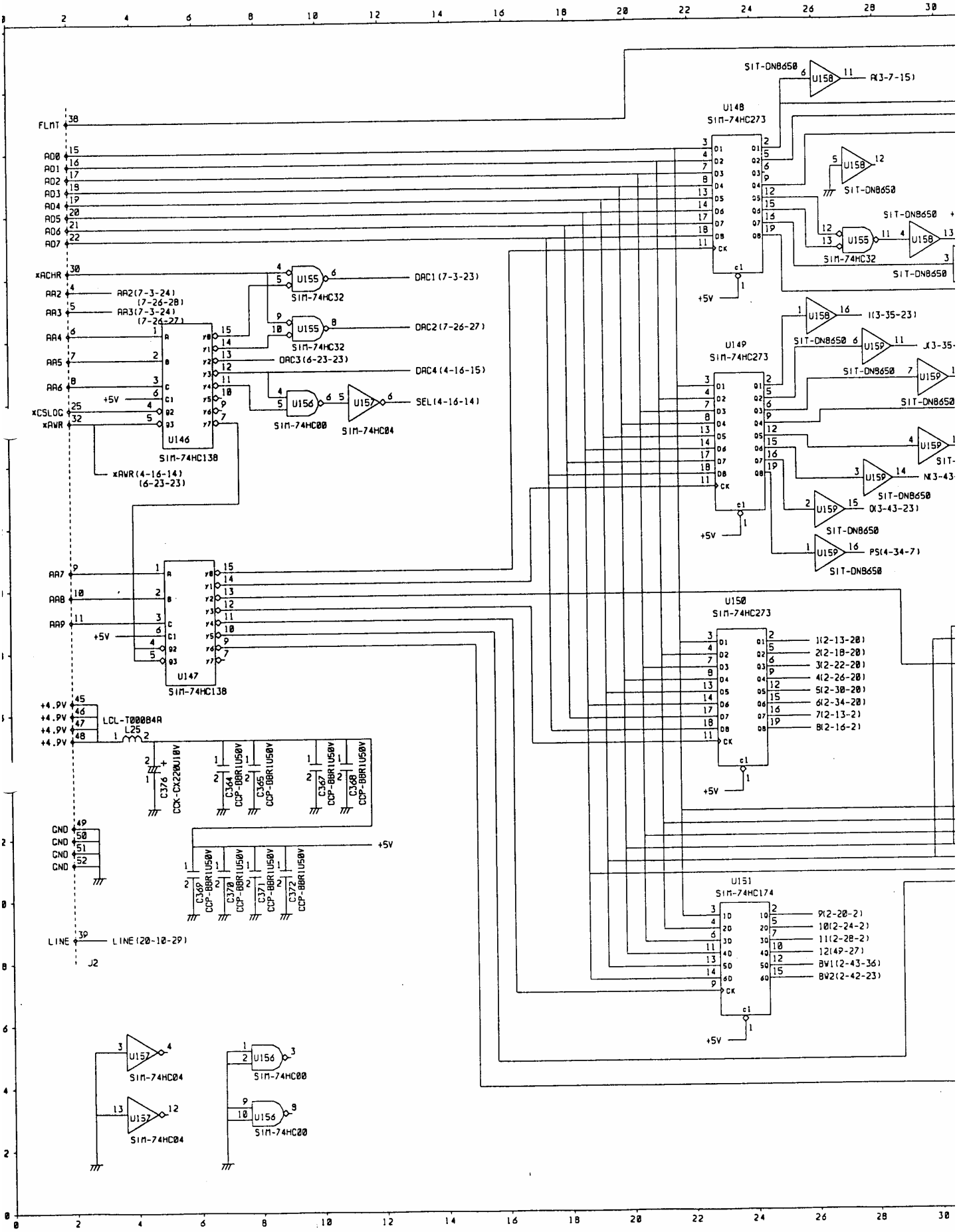
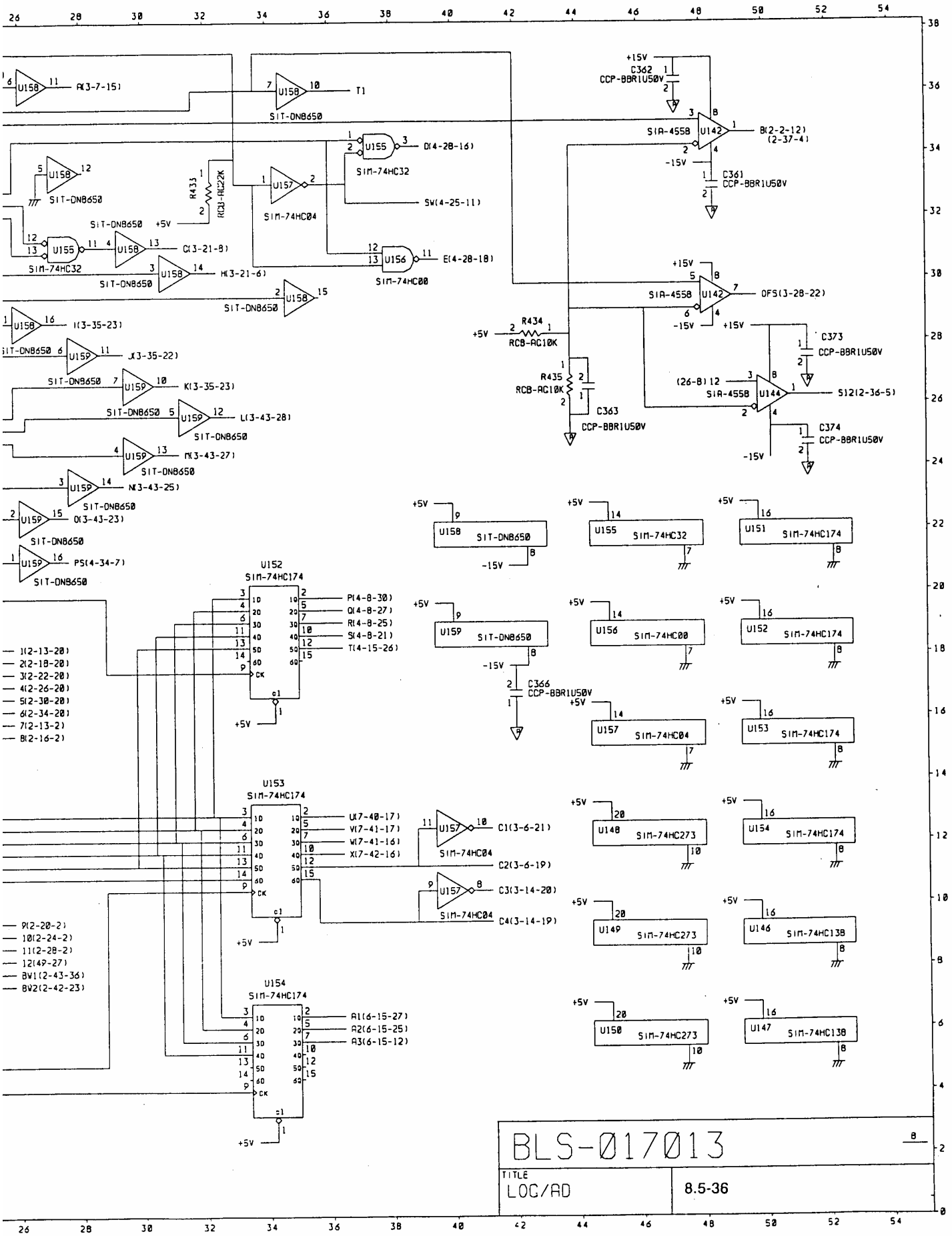
7

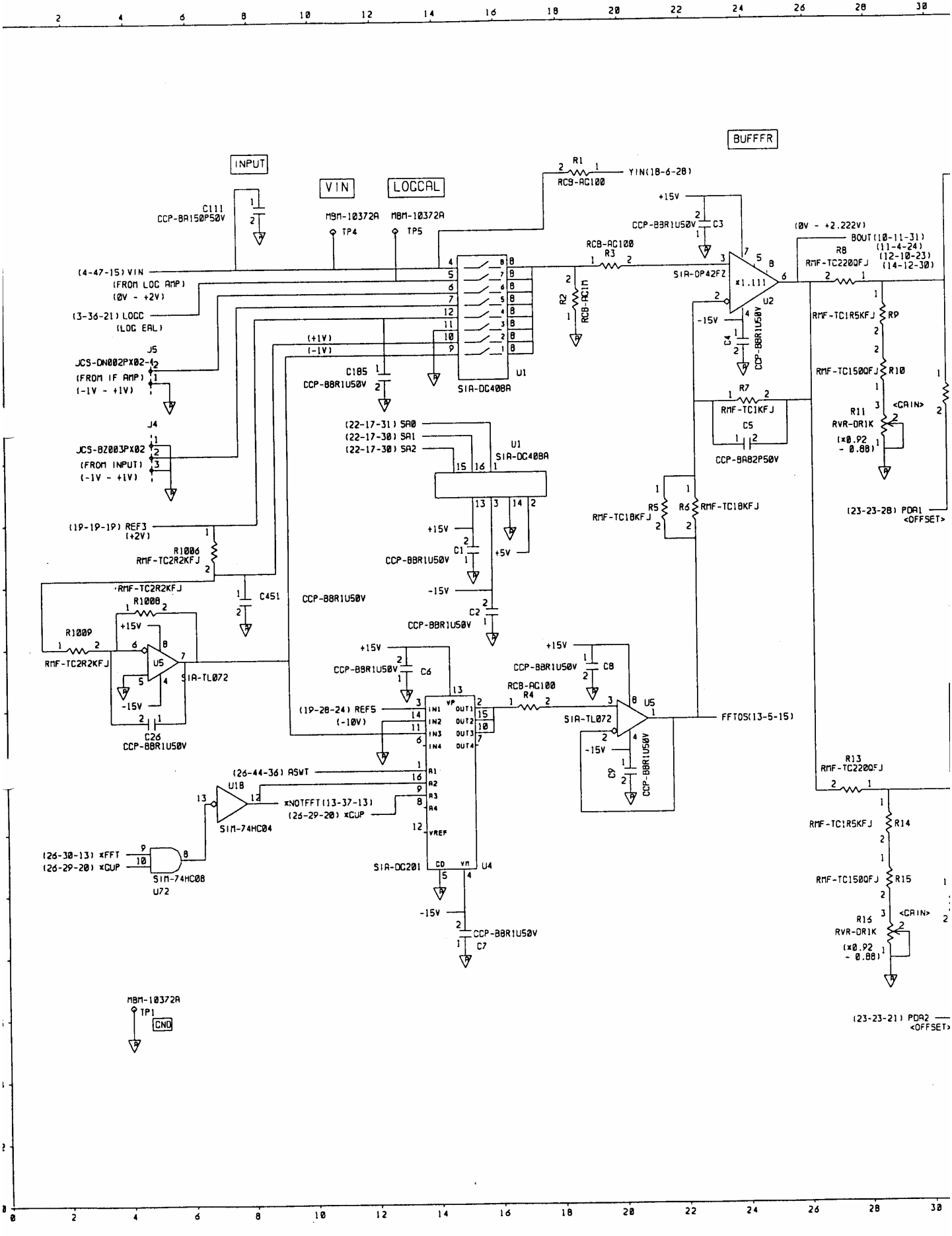
TITLE

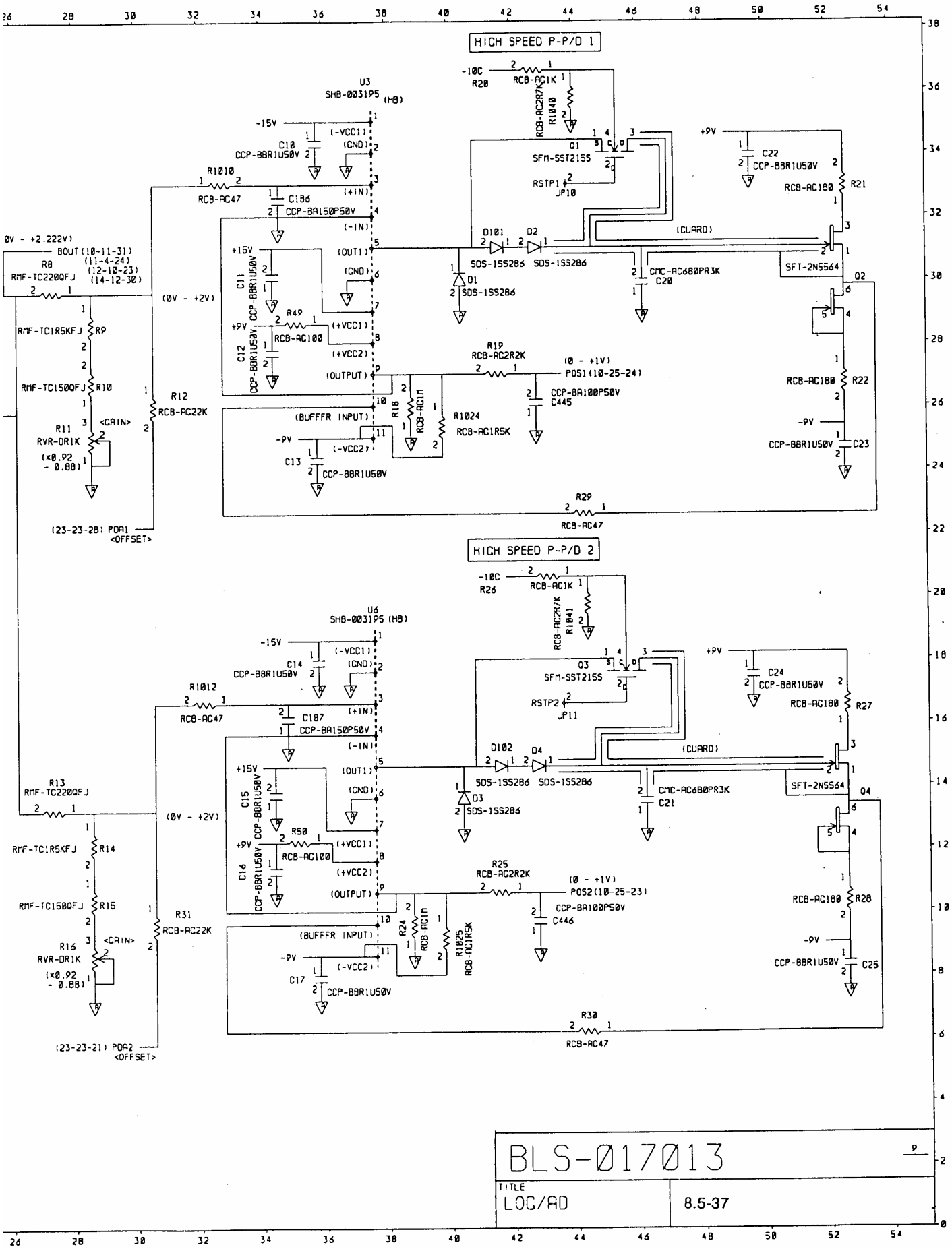
LOG/AD

8.5-35


FLMT
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
xACHR
AA2
AA3
AA4
AA5
AA6
xCSLOG
xAVR
AA7
AA8
AA9
+5V
+4.9V
GND
LINE
J2
U146
SIM-74HC138
U147
SIM-74HC138
U148
SIM-74HC273
U149
SIM-74HC273
U150
SIM-74HC273
U151
SIM-74HC174
U155
SIM-74HC32
U156
SIM-74HC00
U157
SIM-74HC04
U158
SIT-DN8650
U159
SIT-DN8650
DAC1(7-3-23)
DAC2(7-26-27)
DAC3(6-23-23)
DAC4(4-16-15)
SEL(4-16-14)
xAVR(4-16-14)
(6-23-23)
LINE(20-10-29)
LCL-T000B4A
L25
C376 CCX-CX220U10V
C364 CCP-BBR1U50V
C365 CCP-BBR1U50V
C367 CCP-BBR1U50V
C368 CCP-BBR1U50V
C369 CCP-BBR1U50V
C370 CCP-BBR1U50V
C371 CCP-BBR1U50V
C372 CCP-BBR1U50V


U158 SIT-DN8650
U155 SIM-74HC32
U157 SIM-74HC04
U156 SIM-74HC00
U159 SIT-DN8650
U142 SIA-4558
U144 SIA-4558
U152 SIM-74HC174
U153 SIM-74HC174
U154 SIM-74HC174
U151 SIM-74HC174
U148 SIM-74HC273
U149 SIM-74HC273
U150 SIM-74HC273
U146 SIM-74HC138
U147 SIM-74HC138
R433 RCB-AC22K
R434 RCB-AC10K
R435 RCB-AC10K
C362 CCP-BBR1U50V
C361 CCP-BBR1U50V
C363 CCP-BBR1U50V
C366 CCP-BBR1U50V
C373 CCP-BBR1U50V
C374 CCP-BBR1U50V
+5V
-15V
A(3-7-15)
T1
D(4-28-16)
SW(4-25-11)
C(3-21-8)
E(4-28-18)
H(3-21-6)
I(3-35-23)
J(3-35-22)
K(3-35-23)
L(3-43-28)
M(3-43-27)
N(3-43-25)
O(3-43-23)
PS(4-34-7)
B(2-2-12) (2-37-4)
OFS(3-28-22)
S12(2-36-5)
P(4-8-30)
Q(4-8-27)
R(4-8-25)
S(4-8-21)
T(4-15-26)
1(2-13-20)
2(2-18-20)
3(2-22-20)
4(2-26-20)
5(2-30-20)
6(2-34-20)
7(2-13-2)
8(2-16-2)
9(2-20-2)
10(2-24-2)
11(2-28-2)
12(49-27)
BW1(2-43-36)
BW2(2-42-23)
U(7-40-17)
V(7-41-17)
W(7-41-16)
X(7-42-16)
C1(3-6-21)
C2(3-6-19)
C3(3-14-20)
C4(3-14-19)
A1(6-15-27)
A2(6-15-25)
A3(6-15-12)
BLS-017013
TITLE
LOC/AD
8.5-36


INPUT
VIN
LOGCAL
BUFFFR
C111
CCP-BR150P50V
MBM-10372A
TP4
MBM-10372A
TP5
R1
RCB-AC100
YIN(18-6-28)
+15V
C3
CCP-B3R1U50V
(0V - +2.222V)
BOUT(18-11-31)
(11-4-24)
(12-10-23)
(14-12-30)
R8
RMF-TC2200FJ
(4-47-15) VIN
(FROM LOG AMP)
(0V - +2V)
(3-36-21) LOGC
(LOG EAL)
R3
RCB-AC100
SIA-OP42FZ
x1.111
U2
-15V
C4
CCP-B8R1U50V
R2
RCB-AC1M
RMF-TC1R5KFJ
RP
RMF-TC150QFJ
R10
<GAIN>
R11
RVR-OR1K
(x0.92
- 0.88)
(23-23-28) PDA1
<OFFSET>
J5
JCS-DN002PX02
(FROM IF AMP)
(-1V - +1V)
(+1V)
(-1V)
C185
CCP-B8R1U50V
U1
SIA-DC408A
R7
RMF-TC1KFJ
C5
CCP-BA82P50V
J4
JCS-BZ003PX02
(FROM INPUT)
(-1V - +1V)
(22-17-31) SA0
(22-17-30) SA1
(22-17-30) SA2
U1
SIA-DC408A
R5
RMF-TC10KFJ
R6
RMF-TC10KFJ
(19-19-19) REF3
(+2V)
R1006
RMF-TC2R2KFJ
+15V
C1
CCP-B8R1U50V
+5V
-15V
C2
CCP-B8R1U50V
RMF-TC2R2KFJ
C451
CCP-B8R1U50V
R1008
R1009
RMF-TC2R2KFJ
U5
SIA-TL072
C26
CCP-B8R1U50V
+15V
CCP-B8R1U50V
C6
(19-28-24) REFS
(-10V)
+15V
CCP-B8R1U50V
C8
R4
RCB-AC100
U5
SIA-TL072
FFTOS(13-5-15)
-15V
C9
CCP-B8R1U50V
R13
RMF-TC2200FJ
RMF-TC1R5KFJ
R14
RMF-TC150QFJ
R15
R16
RVR-OR1K
<GAIN>
(x0.92
- 0.88)
(23-23-21) PDA2
<OFFSET>
(26-44-36) ASWT
U1B
SIM-74HC04
xNOTFFT(13-37-13)
(26-29-20) xCUP
(26-30-13) xFFT
(26-29-20) xCUP
SIM-74HC08
U72
SIA-DC201
U4
-15V
C7
CCP-B8R1U50V
MBM-10372A
TP1
GND

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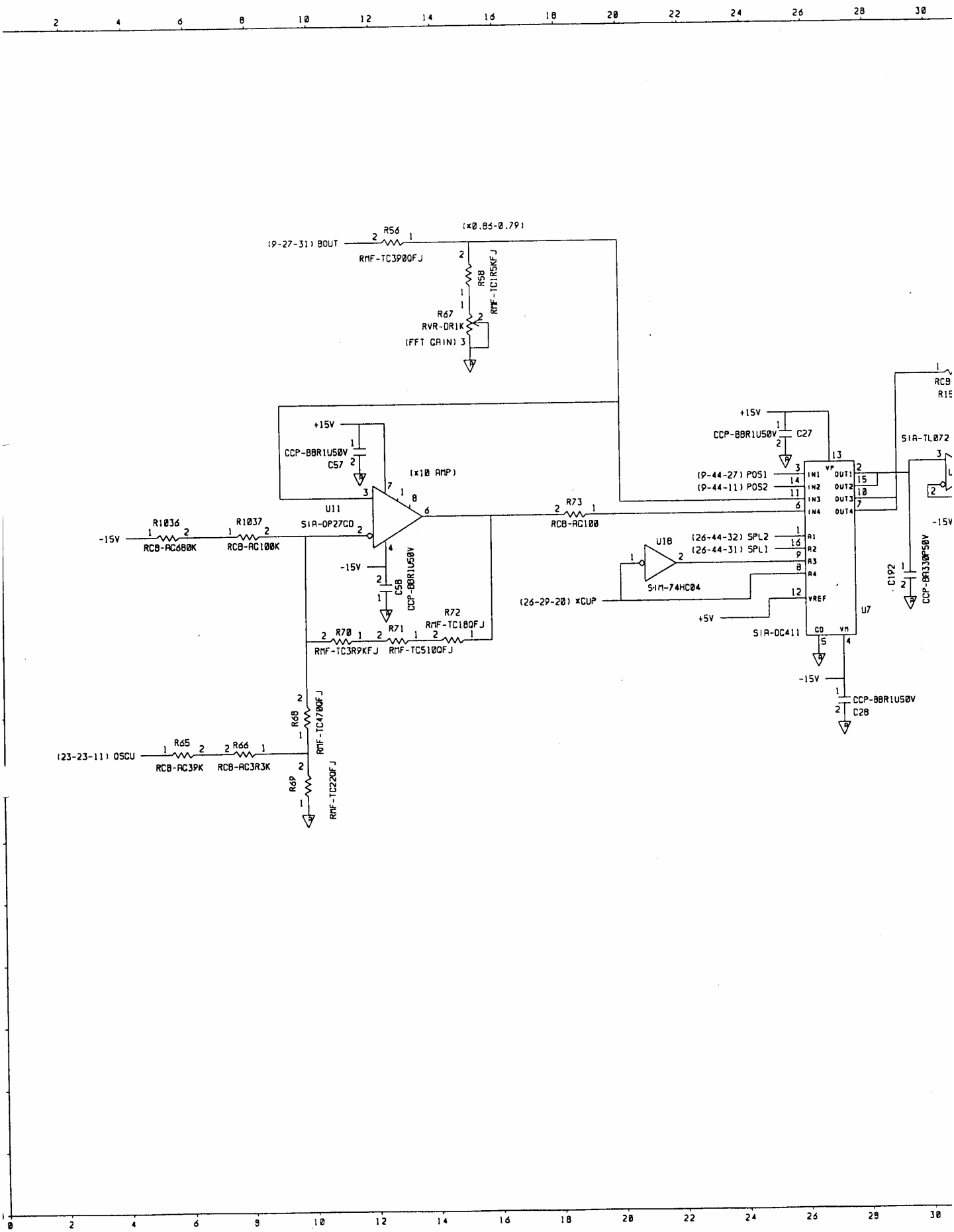
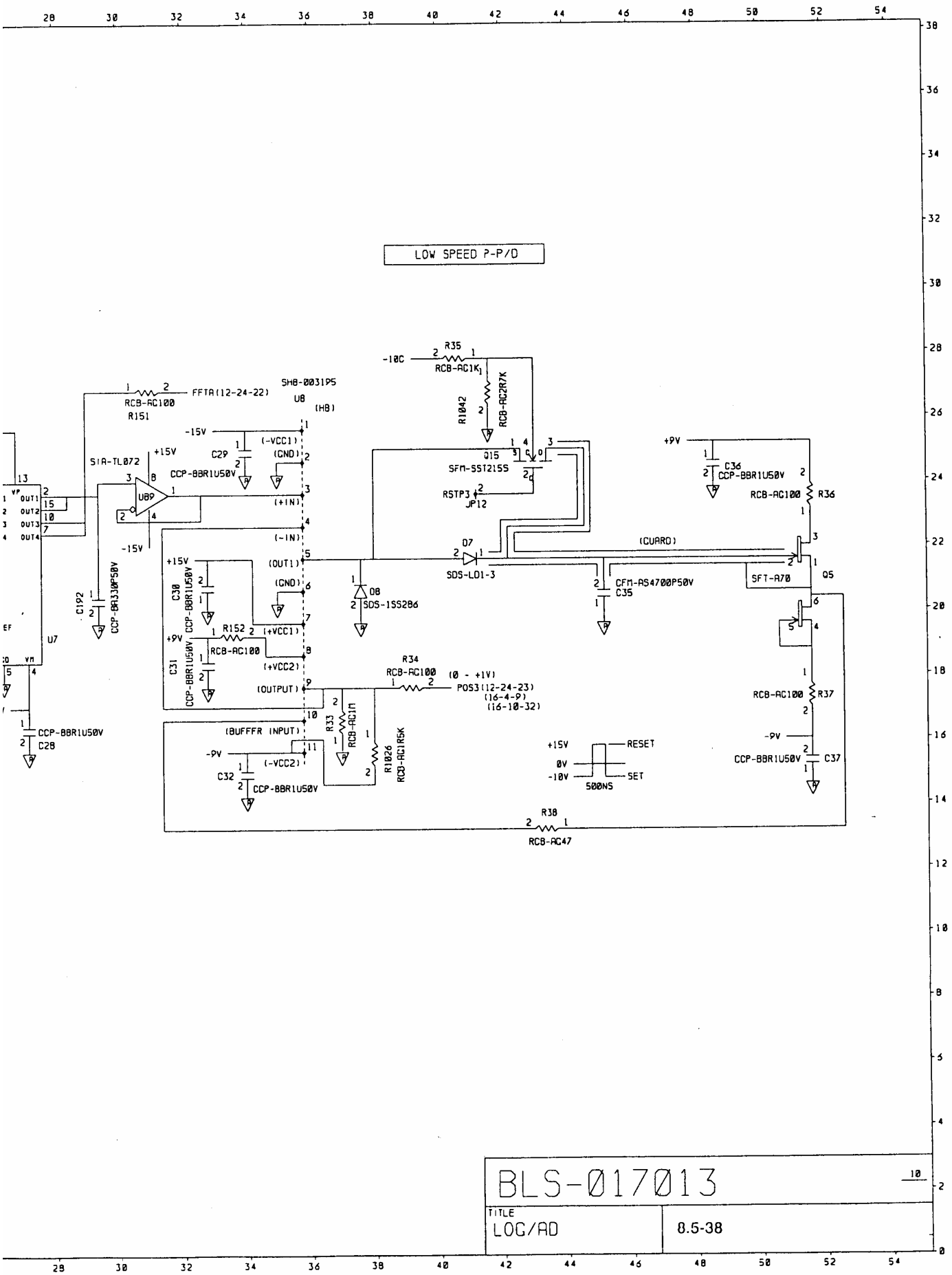
9

TITLE
LOC/AD

8.5-37


R56
(9-27-31) BOUT
RMF-TC390QFJ
(x0.86-0.79)
R58
RMF-TC1R5KFJ
R67
RVR-DR1K
(FFT GAIN)
+15V
CCP-BBR1U50V
C57
(x10 AMP)
U11
SIA-OP27CD
R1036
RC8-AC680K
R1037
RC8-AC100K
-15V
C58
CCP-BBR1U50V
R72
RMF-TC18QFJ
R70
RMF-TC3R9KFJ
R71
RMF-TC510QFJ
R68
RMF-TC4700FJ
R69
RMF-TC220FJ
(23-23-11) OSCU
R65
RC8-AC39K
R66
RC8-AC3R3K
R73
RC8-AC100
+15V
CCP-BBR1U50V
C27
(9-44-27) POS1
(9-44-11) POS2
U18
SHM-74HC04
(26-44-32) SPL2
(26-44-31) SPL1
(26-29-20) xCUP
+5V
SIA-DC411
U7
-15V
CCP-BBR1U50V
C28
SIA-TL072
C192
CCP-BR330P50V
-15V




BLS-017013

10

| TITLE | |
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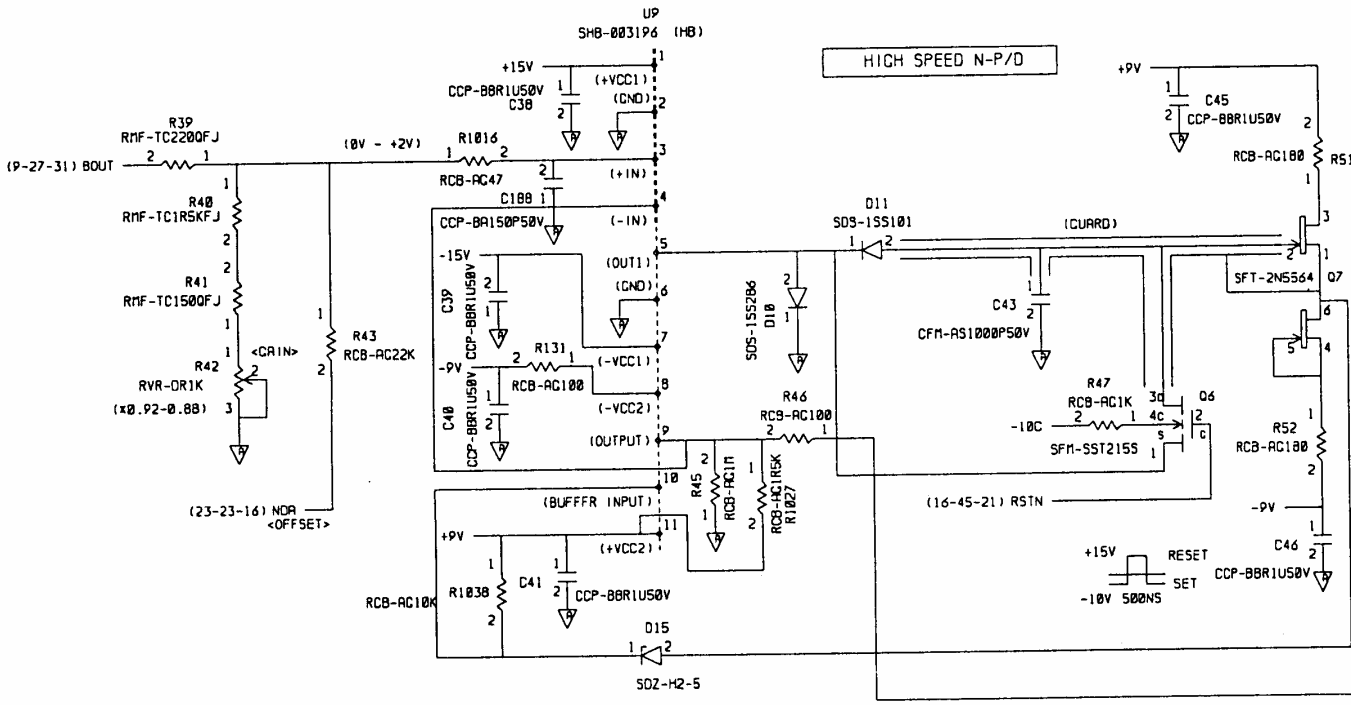
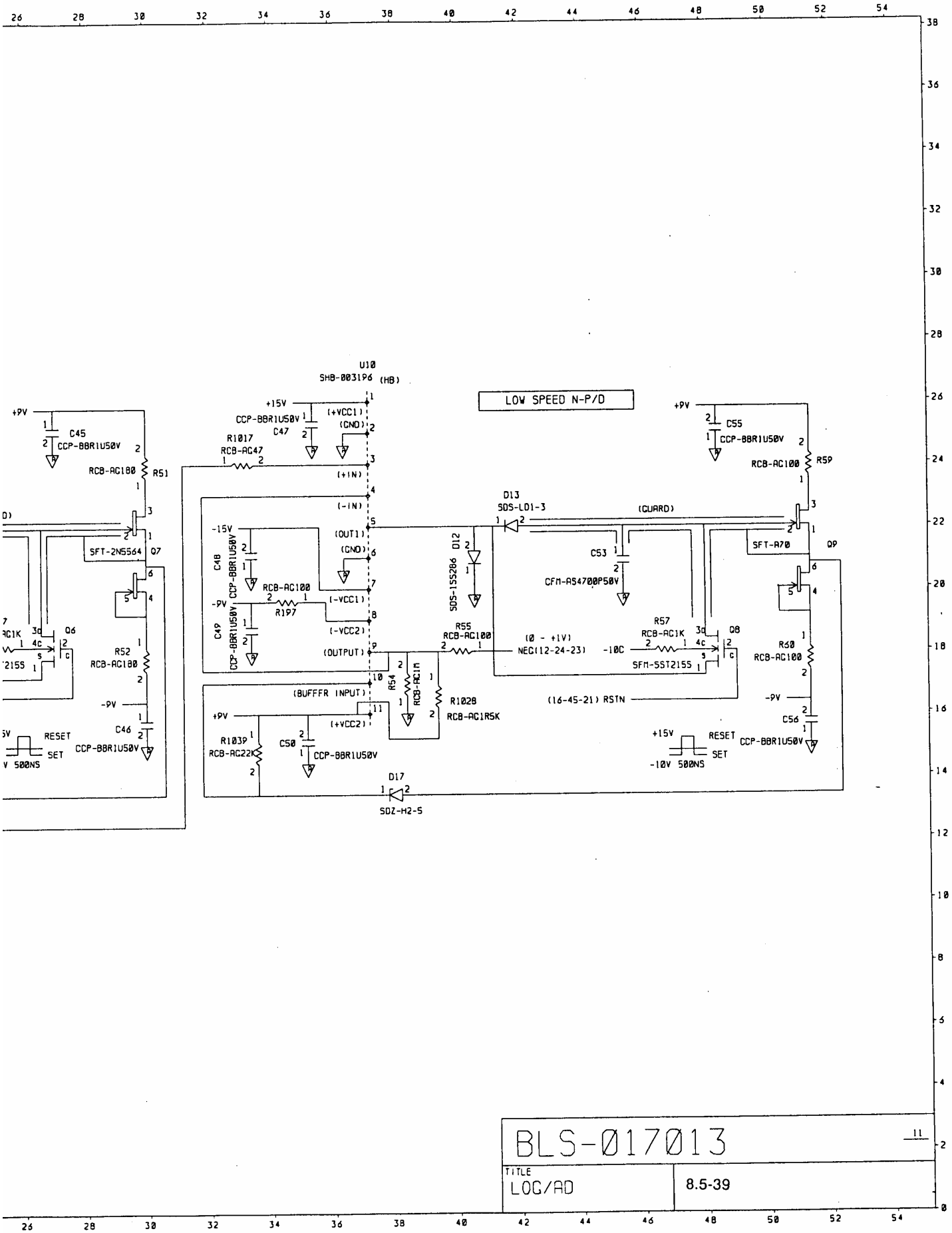
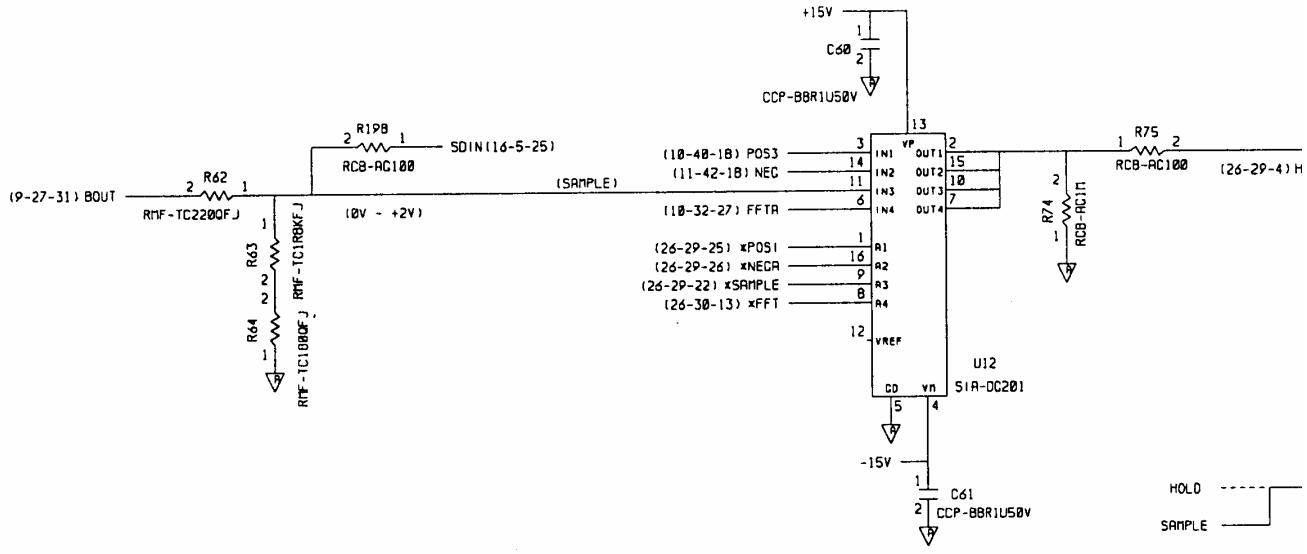
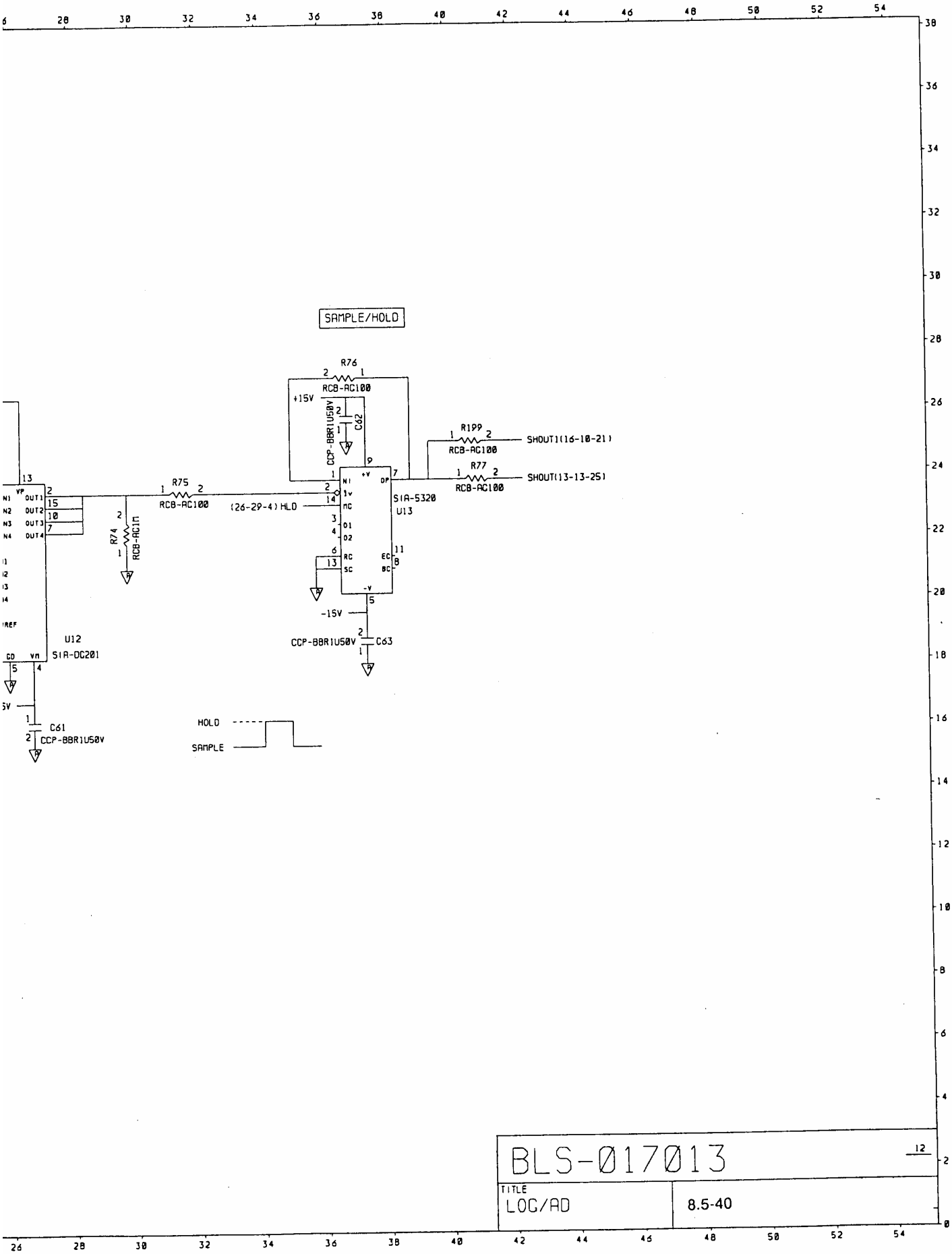
| LOG/AD | 8.5-38 |


HIGH SPEED N-P/D
UP
SHB-003196 (HB)
+15V
CCP-B8R1U50V
C38
(+VCC1)
(GND)
(+IN)
(-IN)
(OUT1)
(GND)
(-VCC1)
(-VCC2)
(OUTPUT)
(BUFFFR INPUT)
(+VCC2)
R39
RMF-TC2200FJ
(9-27-31) BOUT
(0V - +2V)
R1016
RCB-AC47
C188
CCP-BA150P50V
-15V
C39
CCP-B8R1U50V
R131
RCB-AC100
-9V
C40
CCP-B8R1U50V
R40
RMF-TC1R5KFJ
R41
RMF-TC150QFJ
R42
RVR-QR1K
(x0.92-0.88)
<GRIN>
R43
RCB-AC22K
(23-23-16) NOA
<OFFSET>
R45
RCB-AC1K
RCB-AC1R5K
R1027
R46
RCB-AC100
SDS-1552B6
D10
D11
SDS-1SS101
(GUARD)
C43
CFM-AS1000P50V
R47
RCB-AC1K
Q6
SFM-SST215S
-10C
(16-45-21) RSTN
+9V
C45
CCP-B8R1U50V
RCB-AC180
R51
SFT-2N5564
Q7
R52
RCB-AC180
-9V
C46
CCP-B8R1U50V
+15V
RESET
SET
-10V 500NS
+9V
R1038
RCB-AC10K
C41
CCP-B8R1U50V
D15
SDZ-H2-5

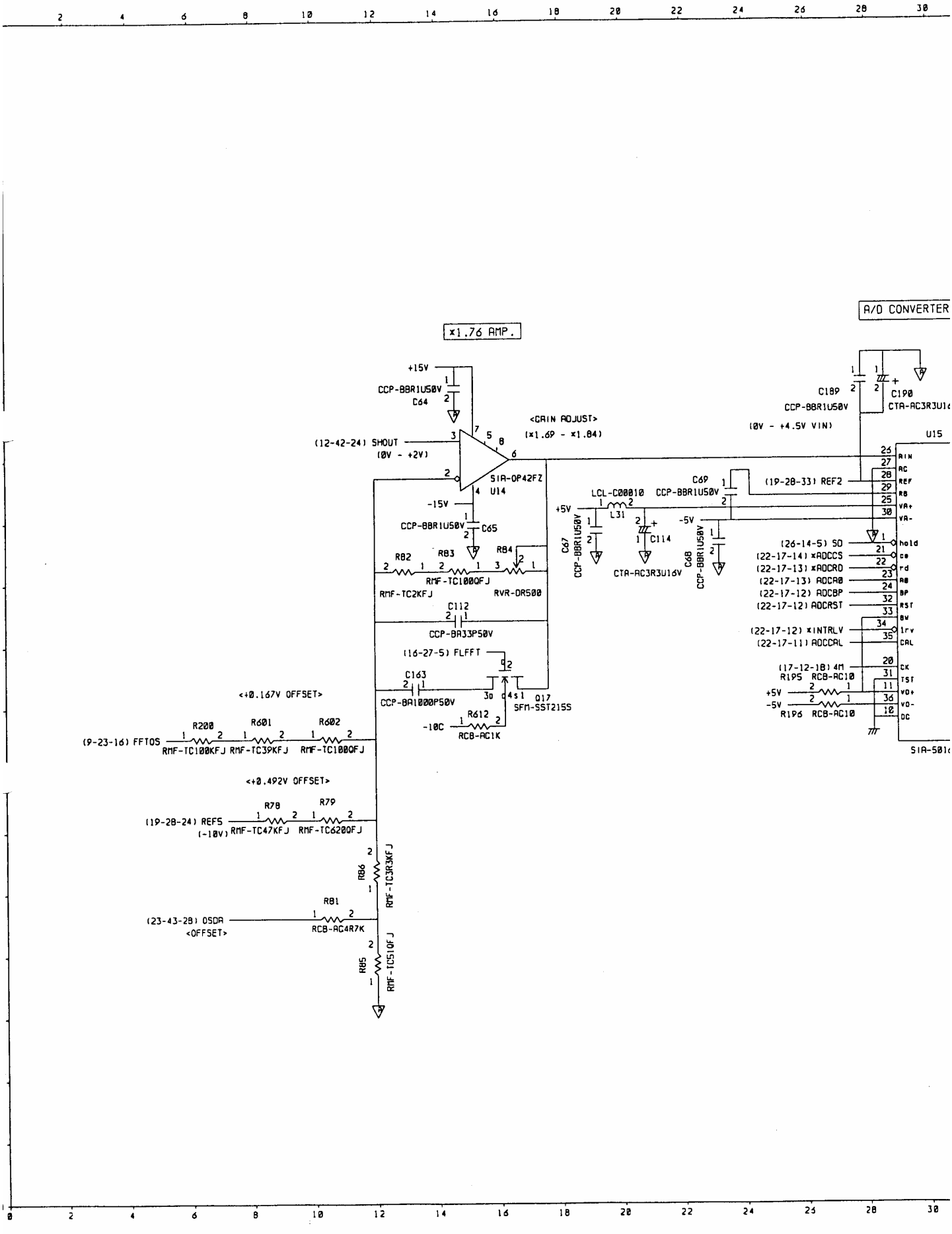


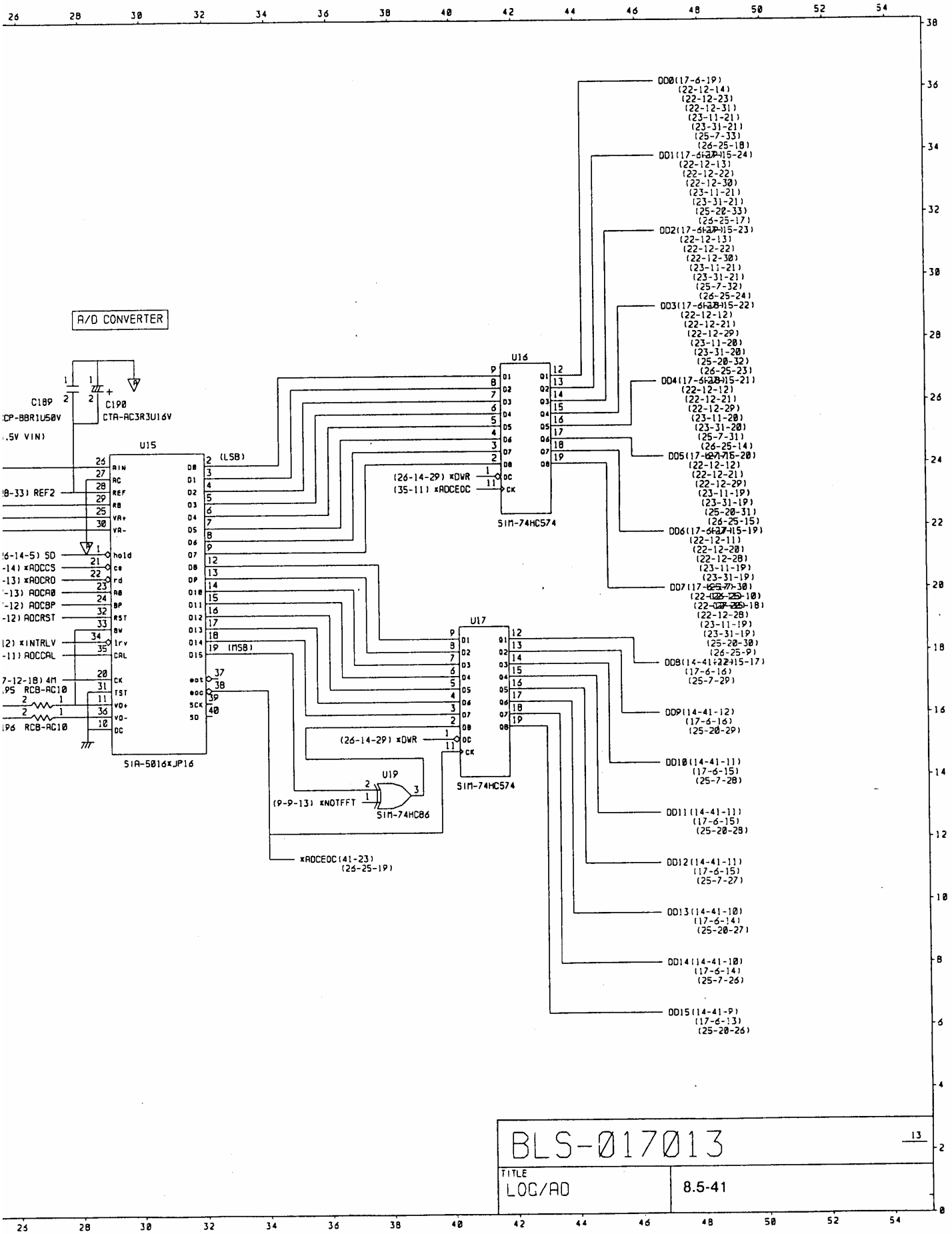

| | |
|---|---|
| BLS-017013 | 11 |
| TITLE<br>LOG/AD | 8.5-39 |


+15V
C60
CCP-B8R1U50V
R198
RCB-AC100
SDIN(16-5-25)
(SAMPLE)
(9-27-31) BOUT
R62
RMF-TC2200FJ
(0V - +2V)
R63
RMF-TC1R8KFJ
R64
RMF-1C100DFJ
(10-40-18) POS3
(11-42-18) NEC
(10-32-27) FFTA
(26-29-25) xPOSI
(26-29-26) xNECA
(26-29-22) xSAMPLE
(26-30-13) xFFT
VP
IN1
IN2
IN3
IN4
OUT1
OUT2
OUT3
OUT4
A1
A2
A3
A4
VREF
CO
VN
U12
S1A-DC201
-15V
C61
CCP-B8R1U50V
R74
RCB-AC1M
R75
RCB-AC100
(26-29-4) H
HOLD
SAMPLE



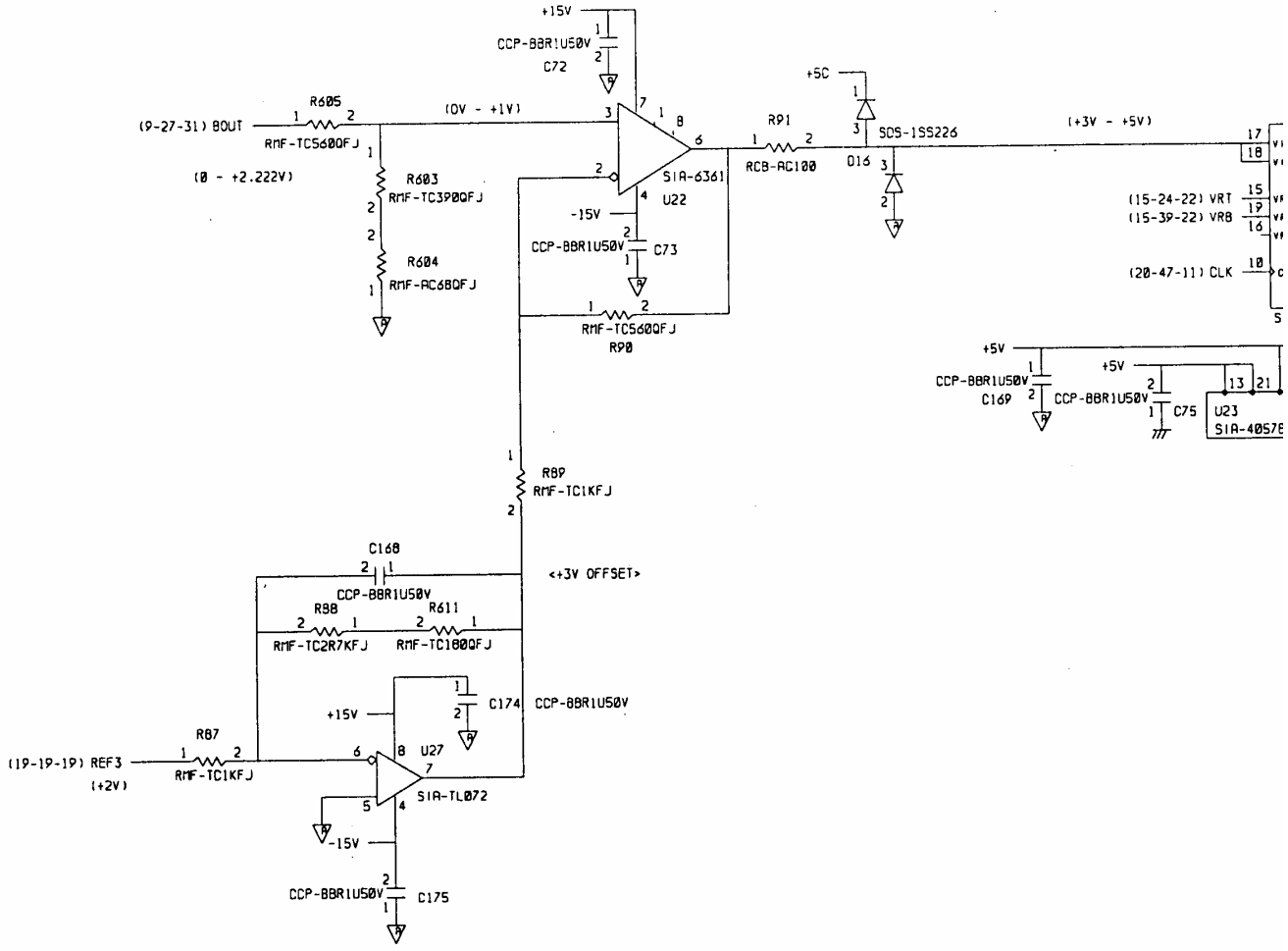

| | |
|---|---|
| BLS-017013 | 12 |
| TITLE LOC/AD | 8.5-40 |

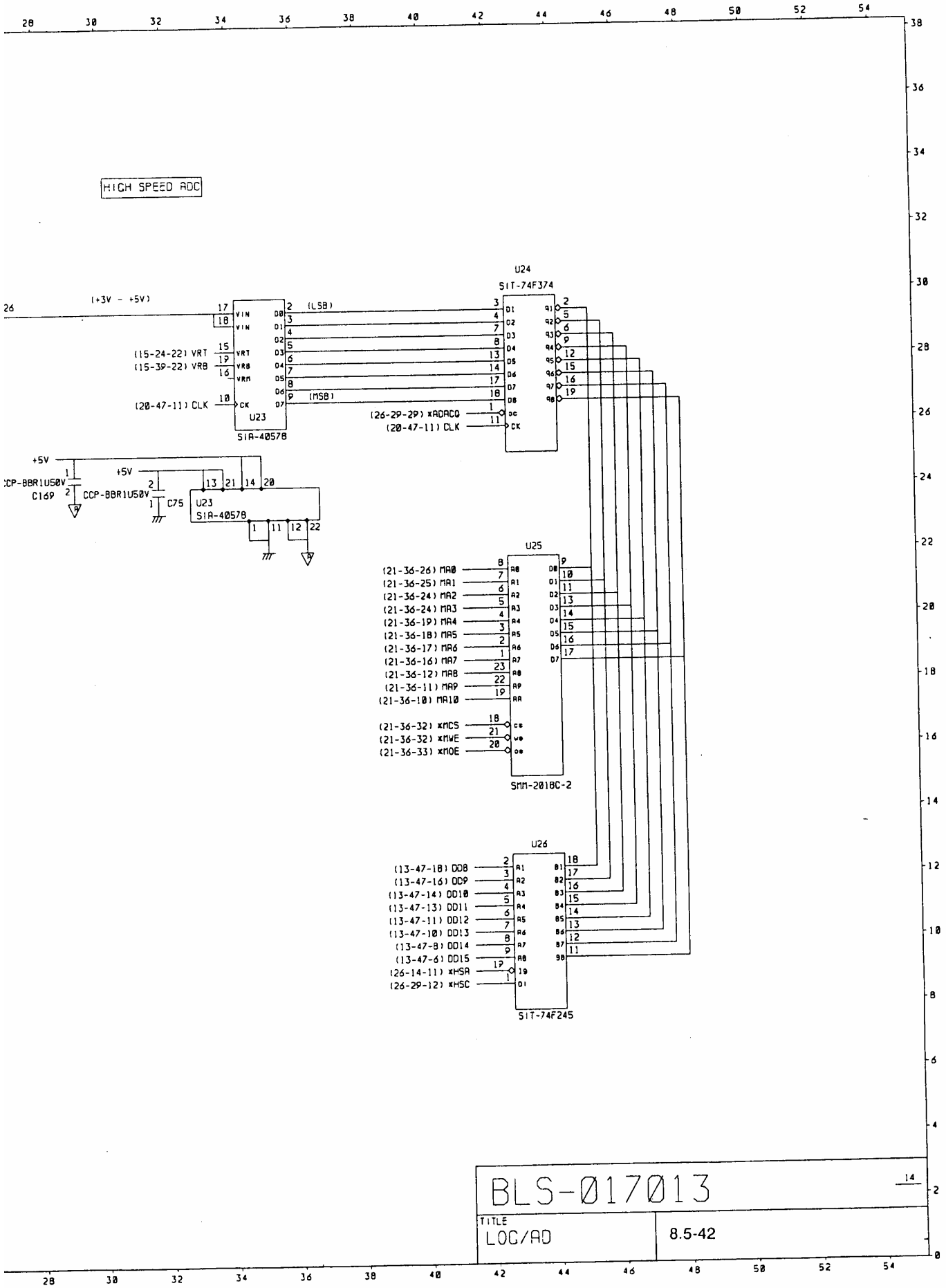

A/D CONVERTER
×1.76 AMP.
+15V
CCP-BBR1U50V
C64
<GAIN ADJUST>
(×1.69 - ×1.84)
(12-42-24) SHOUT
(0V - +2V)
SIA-OP42FZ
U14
-15V
CCP-BBR1U50V
C65
R82
R83
R84
RMF-TC100QFJ
RMF-TC2KFJ
RVR-DR500
C112
CCP-BR33P50V
(16-27-5) FLFFT
C163
CCP-BA1000P50V
Q17
SFM-SST215S
-10C
R612
RCB-AC1K
<+0.167V OFFSET>
(9-23-16) FFTOS
R200
R601
R602
RMF-TC100KFJ
RMF-TC3PKFJ
RMF-TC100QFJ
<+0.492V OFFSET>
(19-28-24) REF5
(-10V)
R78
R79
RMF-TC47KFJ
RMF-TC6200FJ
R86
RMF-TC3R3KFJ
(23-43-28) OSDA
<OFFSET>
R81
RCB-AC4R7K
R85
RMF-TC510FJ
C189
CCP-BBR1U50V
C190
CTA-AC3R3U16
(0V - +4.5V VIN)
U15
C69
CCP-BBR1U50V
(19-28-33) REF2
LCL-C00010
L31
+5V
C67
CCP-BBR1U50V
C114
CTA-AC3R3U16V
-5V
C68
CCP-BBR1U50V
(26-14-5) SO
(22-17-14) ×ADCCS
(22-17-13) ×ADCRD
(22-17-13) ADCA0
(22-17-12) ADCBP
(22-17-12) ADCRST
(22-17-12) ×INTRLV
(22-17-11) ADCCAL
(17-12-18) 4M
R195 RCB-AC10
R196 RCB-AC10
AIN
AC
REF
RB
VA+
VA-
hold
cs
rd
BP
RST
BW
Irv
CAL
CK
TST
VD+
VD-
DC
SIA-501


A/D CONVERTER
C189
CP-BBR1U50V
C190
CTA-AC3R3U16V
.5V VIN)
U15
SIA-5016xJP16
U16
SIM-74HC574
U17
SIM-74HC574
U19
SIM-74HC86
(LSB)
(MSB)
(26-14-29) xDWR
(35-11) xADCEOC
(9-9-13) xNOTFFT
xADCEOC(41-23)
(26-25-19)
DD0(17-6-19)
(22-12-14)
(22-12-23)
(22-12-31)
(23-11-21)
(23-31-21)
(25-7-33)
(26-25-18)
DD1(17-6-19)(15-24)
(22-12-13)
(22-12-22)
(22-12-30)
(23-11-21)
(23-31-21)
(25-20-33)
(26-25-17)
DD2(17-6-19)(15-23)
(22-12-13)
(22-12-22)
(22-12-30)
(23-11-21)
(23-31-21)
(25-7-32)
(26-25-24)
DD3(17-6-19)(15-22)
(22-12-12)
(22-12-21)
(22-12-29)
(23-11-20)
(23-31-20)
(25-20-32)
(26-25-23)
DD4(17-6-19)(15-21)
(22-12-12)
(22-12-21)
(22-12-29)
(23-11-20)
(23-31-20)
(25-7-31)
(26-25-14)
DD5(17-6-19)(15-20)
(22-12-12)
(22-12-21)
(22-12-29)
(23-11-19)
(23-31-19)
(25-20-31)
(26-25-15)
DD6(17-6-19)(15-19)
(22-12-11)
(22-12-20)
(22-12-28)
(23-11-19)
(23-31-19)
DD7(17-6-19)(15-30)
(22-12-11)
(22-12-20)
(22-12-28)
(23-11-19)
(23-31-19)
(25-20-30)
(26-25-9)
DD8(14-41-12)(15-17)
(17-6-16)
(25-7-29)
DD9(14-41-12)
(17-6-16)
(25-20-29)
DD10(14-41-11)
(17-6-15)
(25-7-28)
DD11(14-41-11)
(17-6-15)
(25-20-28)
DD12(14-41-11)
(17-6-15)
(25-7-27)
DD13(14-41-10)
(17-6-14)
(25-20-27)
DD14(14-41-10)
(17-6-14)
(25-7-26)
DD15(14-41-9)
(17-6-13)
(25-20-26)
(6-14-5) SD
(14) xADCCS
(13) xADCRD
(13) ADCA0
(12) ADCBP
(12) ADCRST
(2) xINTRLV
(11) ADCCAL
(12-18) 4M
,95 RCB-AC10
196 RCB-AC10
BLS-017013
13
TITLE
LOC/AD
8.5-41

x1.56 AMP.

HIGH SPEED ADC






BLS-017013

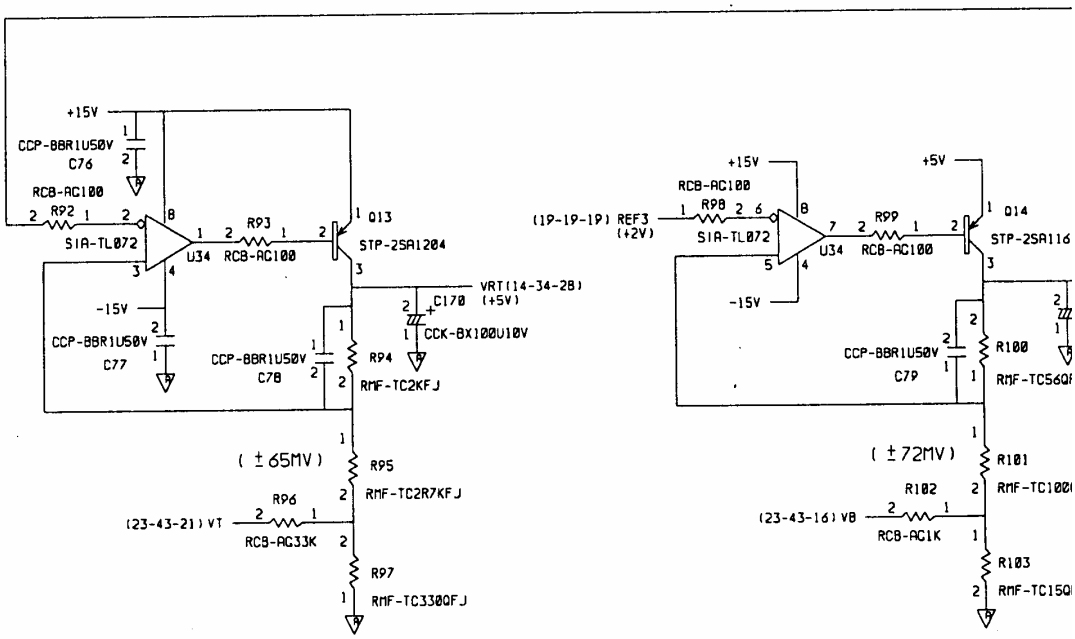
14

TITLE
LOG/AD

8.5-42

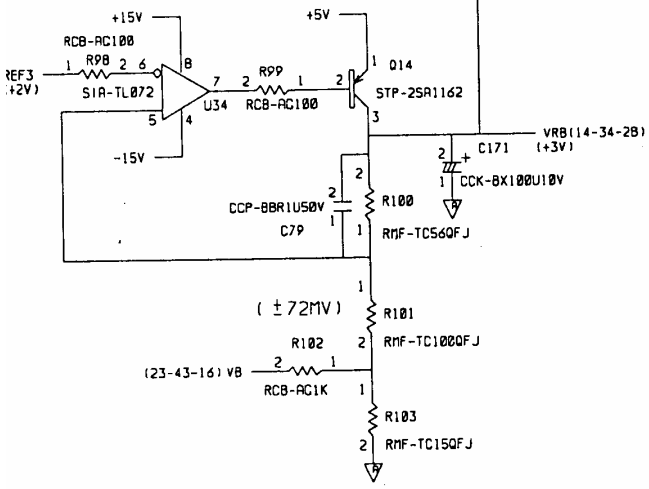
8 10 12 14 16 18 20 22 24 26 28 30 32 34 36

HIGH SPEED ADC REFFRENCE

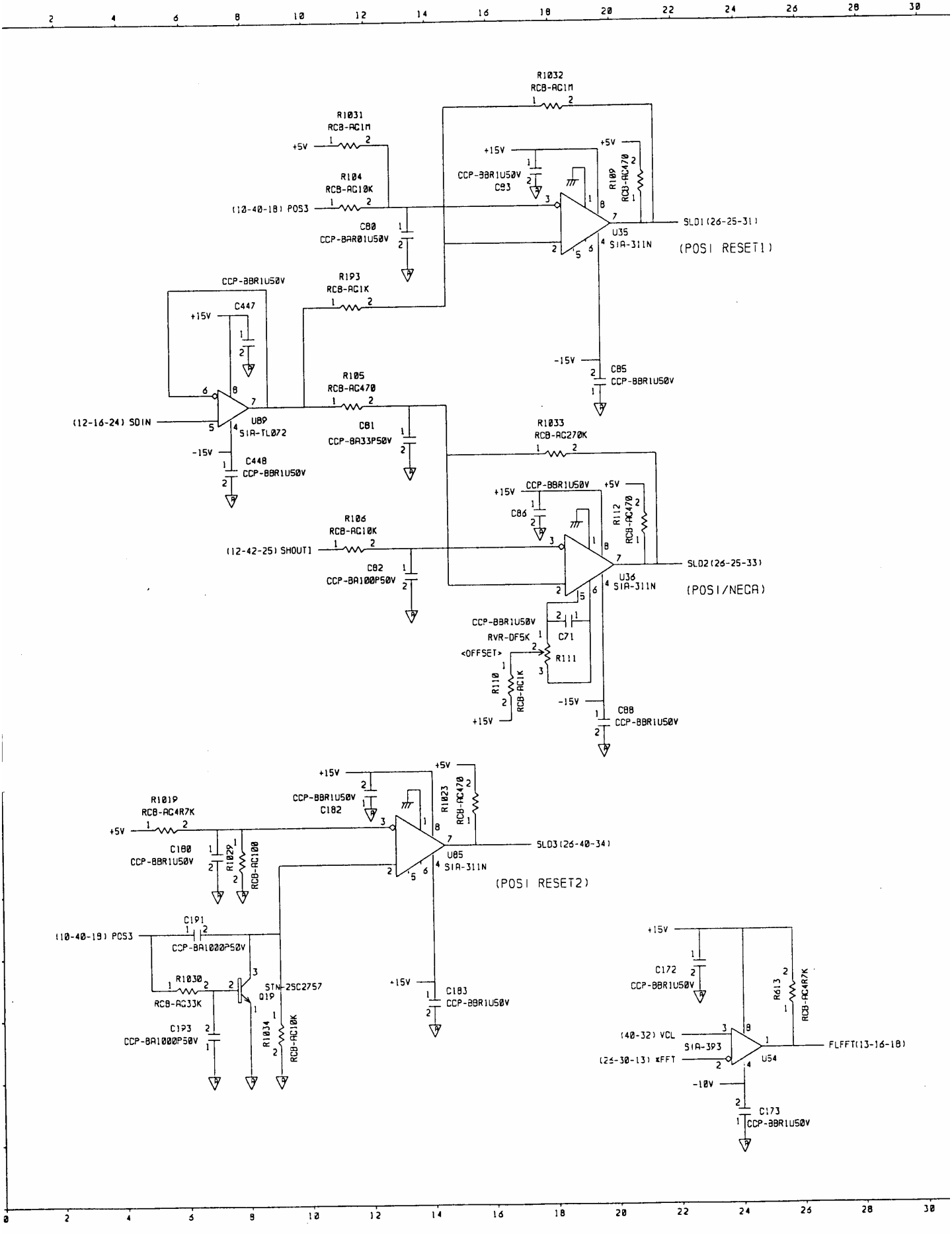


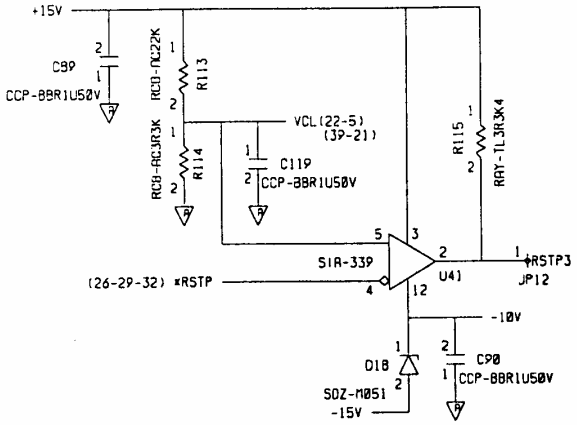

6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36

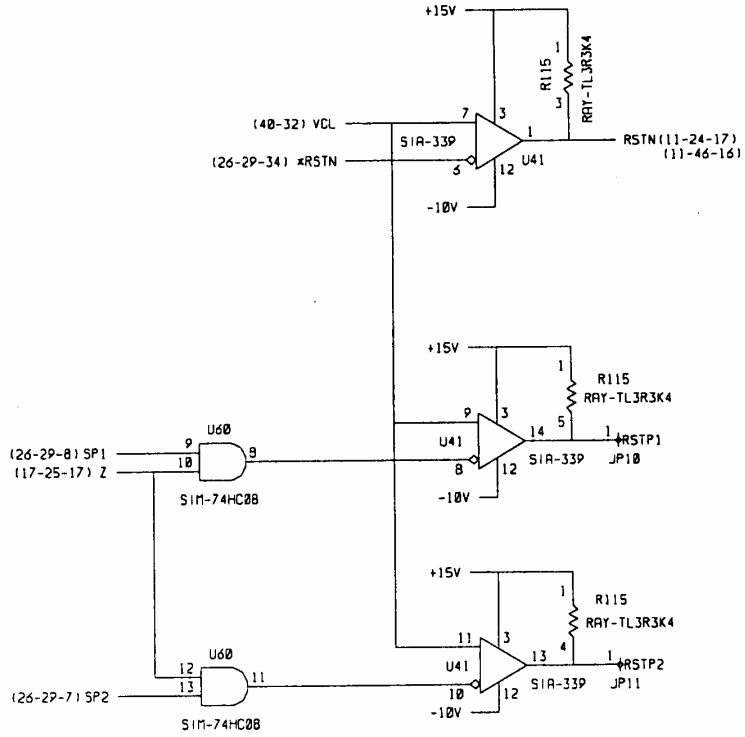
EFFRENCE




| | |
|---|---|
| BLS-017013 | 15 |
| TITLE: LOC/AD | 8.5-43 |


R1032
RC8-AC1M
R1031
RC8-AC1M
+5V
R104
RC8-AC10K
(10-40-18) POS3
C80
CCP-BAR01U50V
+15V
CCP-BBR1U50V
C93
R109
RC3-AC470
SLD1(26-25-31)
U35
S1A-311N
(POS1 RESET1)
-15V
C85
CCP-BBR1U50V
CCP-BBR1U50V
C447
R103
RC8-AC1K
R105
RC8-AC470
(12-16-24) SDIN
U89
S1A-TL072
C81
CCP-BA33P50V
-15V
C448
CCP-BBR1U50V
R1033
RC8-AC270K
CCP-BBR1U50V
C86
R112
RC8-AC470
R106
RC8-AC10K
(12-42-25) SHOUT1
C82
CCP-BA100P50V
SLD2(26-25-33)
U36
S1A-311N
(POS1/NECA)
CCP-BBR1U50V
RVR-DF5K
C71
<OFFSET>
R111
R110
RC8-AC1K
-15V
C88
CCP-BBR1U50V
R1019
RC8-AC4R7K
C180
CCP-BBR1U50V
R102P
RC8-AC100
CCP-BBR1U50V
C182
R1023
RC8-AC470
SLD3(26-40-34)
U85
S1A-311N
(POS1 RESET2)
C191
(10-40-19) POS3
CCP-BA1000P50V
R1030
RC8-AC33K
STN-2SC2757
Q19
R1034
RC8-AC10K
C193
CCP-BA1000P50V
+15V
C183
CCP-BBR1U50V
+15V
C172
CCP-BBR1U50V
R613
RC8-AC4R7K
(40-32) VCL
(25-30-13) XFFT
S1A-393
U54
FLFFT(13-16-18)
-10V
C173
CCP-BBR1U50V



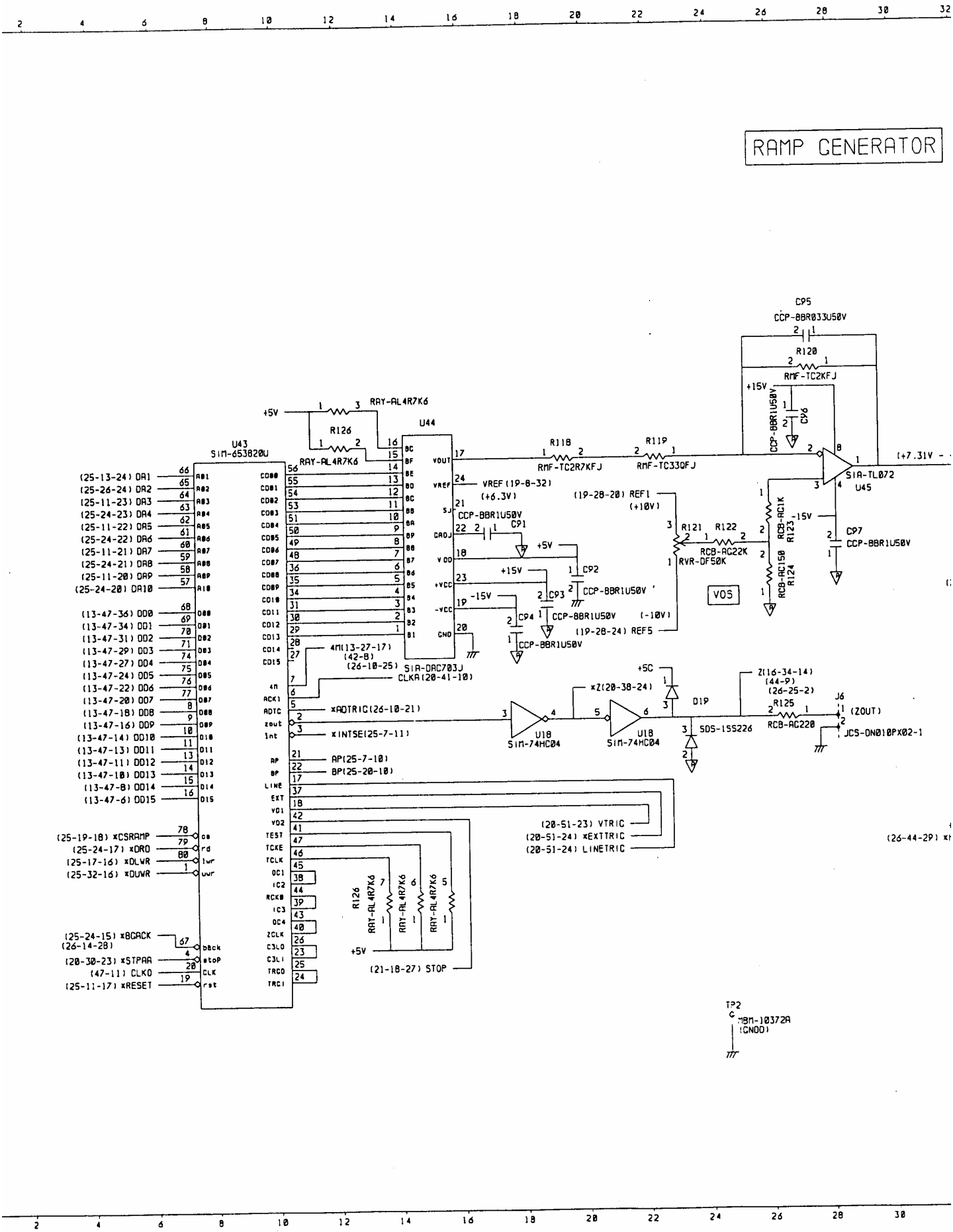




RCB-RC4R7K

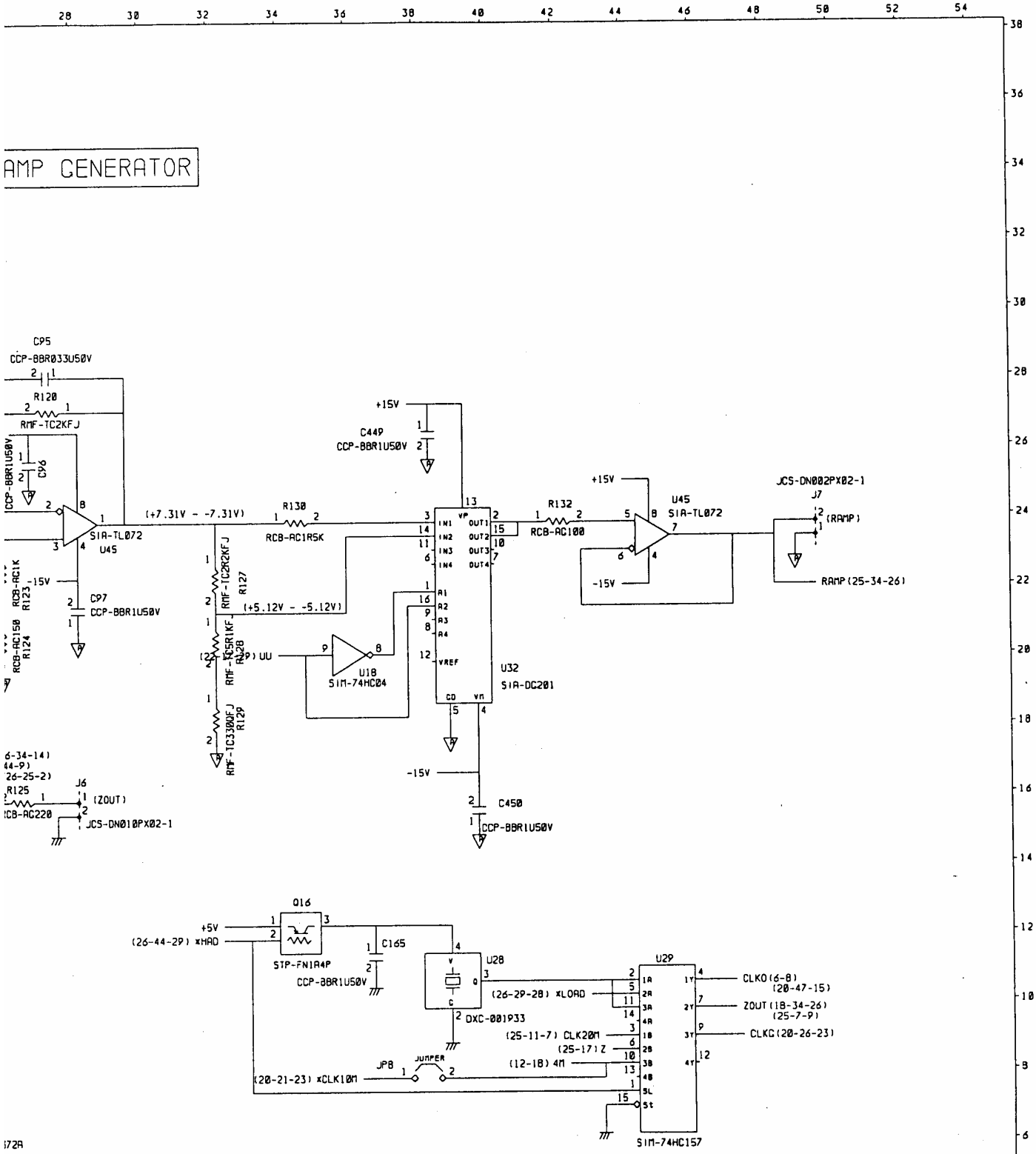
FLFFT(13-16-18)

0V

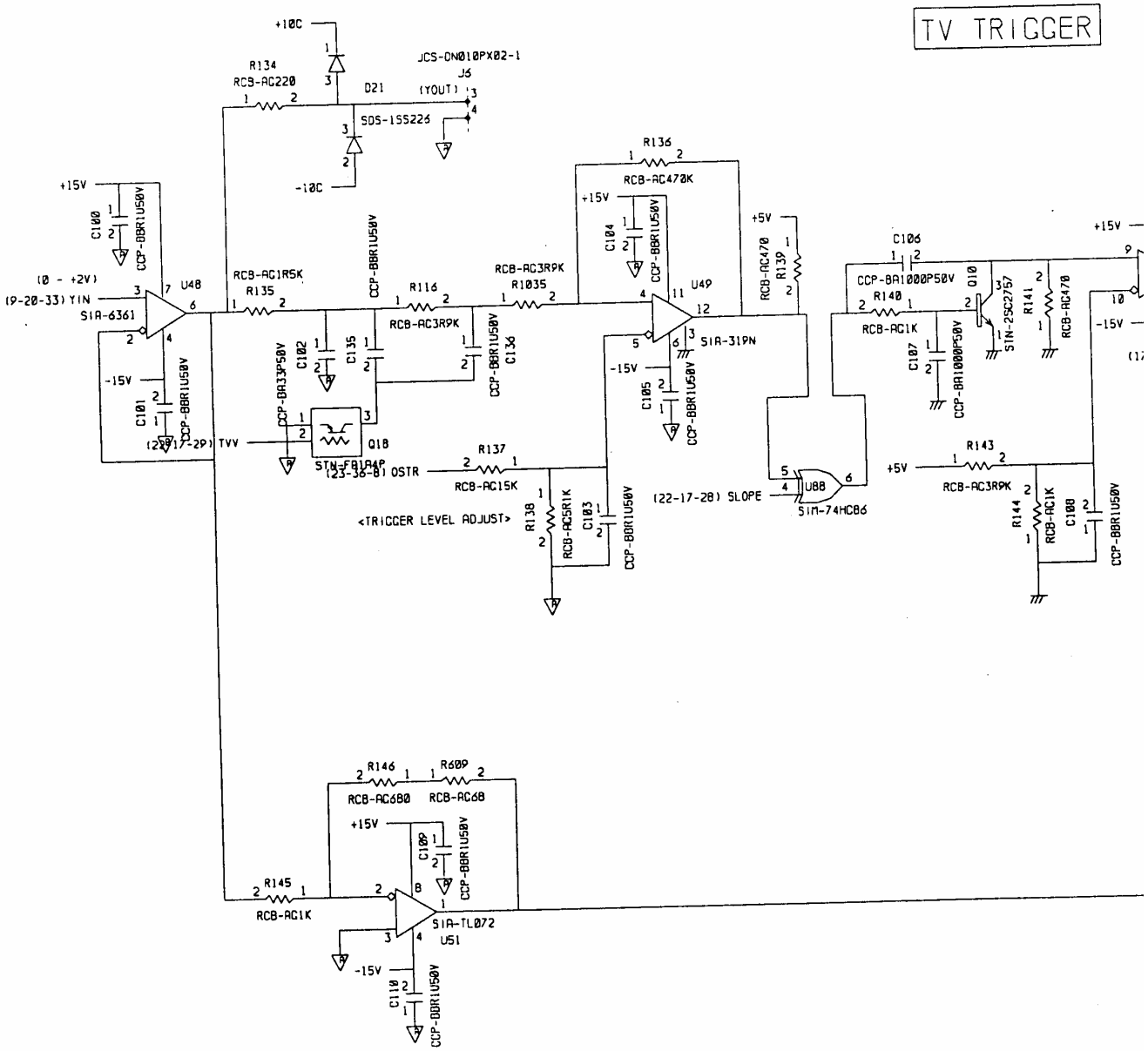
| | |
|---|---|
| BLS-017013 | 16 |
| TITLE LOC/AD | 8.5-44 |

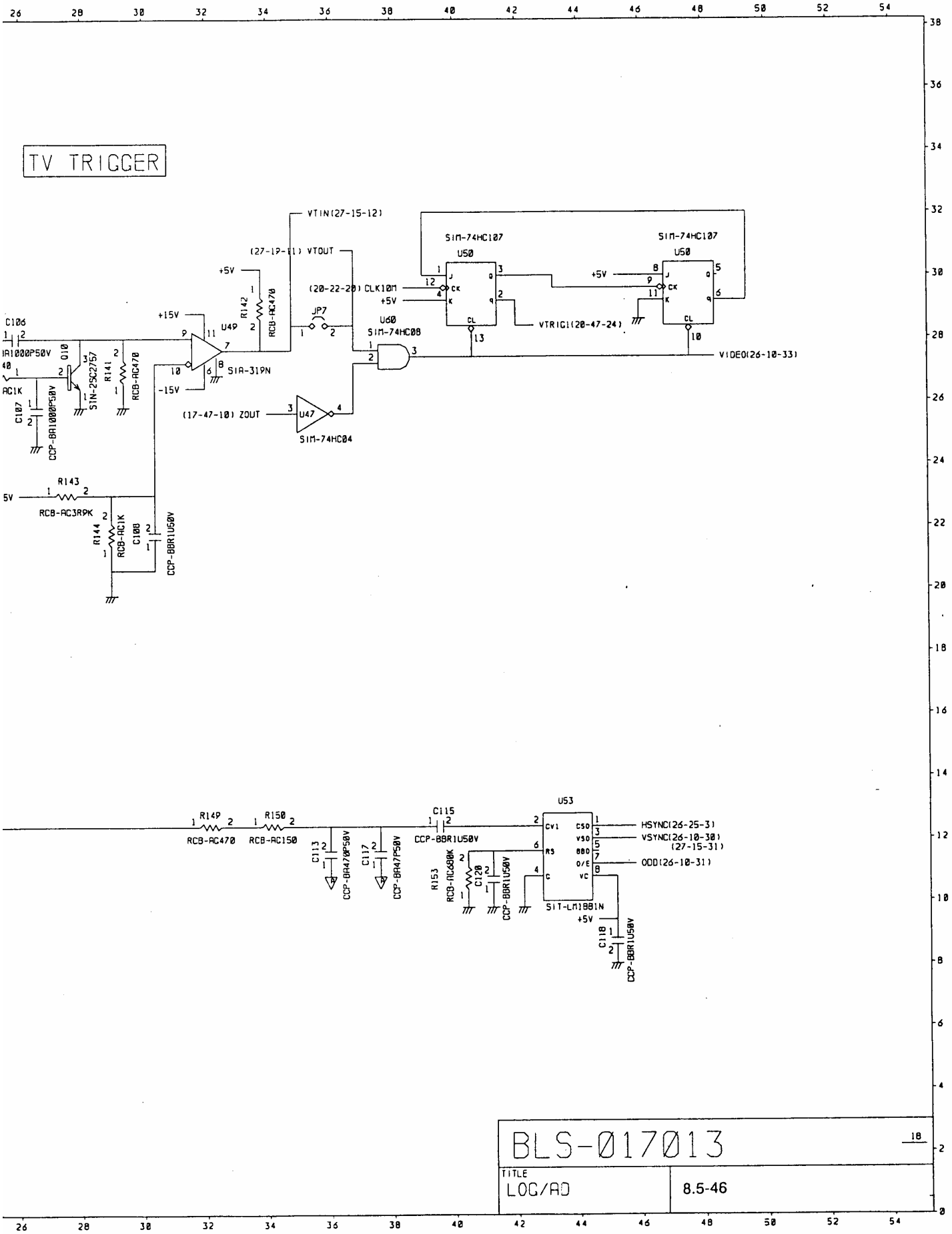

RAMP GENERATOR
U43
SIM-653820U
U44
SIA-DAC703J
SIA-TL072
U45
U18
SIM-74HC04
U18
SIM-74HC04
C95
CCP-BBR033U50V
R120
RMF-TC2KFJ
+15V
CCP-BBR1U50V
C96
RAY-AL4R7K6
R126
+5V
RMF-TC2R7KFJ
R118
RMF-TC33QFJ
R119
VREF(19-8-32)
(+6.3V)
(19-28-20) REF1
(+10V)
(19-28-24) REF5
(-10V)
C91
C92
C93
C94
C97
-15V
R121
R122
RCB-AC22K
RVR-DF50K
RCB-AC1K
R123
RCB-AC150
R124
VOS
4M(13-27-17)
(42-8)
(26-10-25)
CLKA(20-41-10)
xADTRIC(26-10-21)
xINTSE(25-7-11)
AP(25-7-10)
BP(25-20-10)
(20-51-23) VTRIC
(20-51-24) xEXTTRIC
(20-51-24) LINETRIC
(21-18-27) STOP
+5C
xZ(20-38-24)
D19
SDS-1SS226
Z(16-34-14)
(44-9)
(26-25-2)
R125
RCB-AC220
J6
(ZOUT)
JCS-DN010PX02-1
(25-13-24) DA1
(25-26-24) DA2
(25-11-23) DA3
(25-24-23) DA4
(25-11-22) DA5
(25-24-22) DA6
(25-11-21) DA7
(25-24-21) DA8
(25-11-20) DA9
(25-24-20) DA10
(13-47-36) DD0
(13-47-34) DD1
(13-47-31) DD2
(13-47-29) DD3
(13-47-27) DD4
(13-47-24) DD5
(13-47-22) DD6
(13-47-20) DD7
(13-47-18) DD8
(13-47-16) DD9
(13-47-14) DD10
(13-47-13) DD11
(13-47-11) DD12
(13-47-10) DD13
(13-47-8) DD14
(13-47-6) DD15
(25-19-18) xCSRAMP
(25-24-17) xDRD
(25-17-16) xDLWR
(25-32-16) xDUWR
(25-24-15) xBGACK
(26-14-28)
(20-30-23) xSTPAA
(47-11) CLKO
(25-11-17) xRESET
TP2
TBM-10372A
(GND0)

# AMP GENERATOR



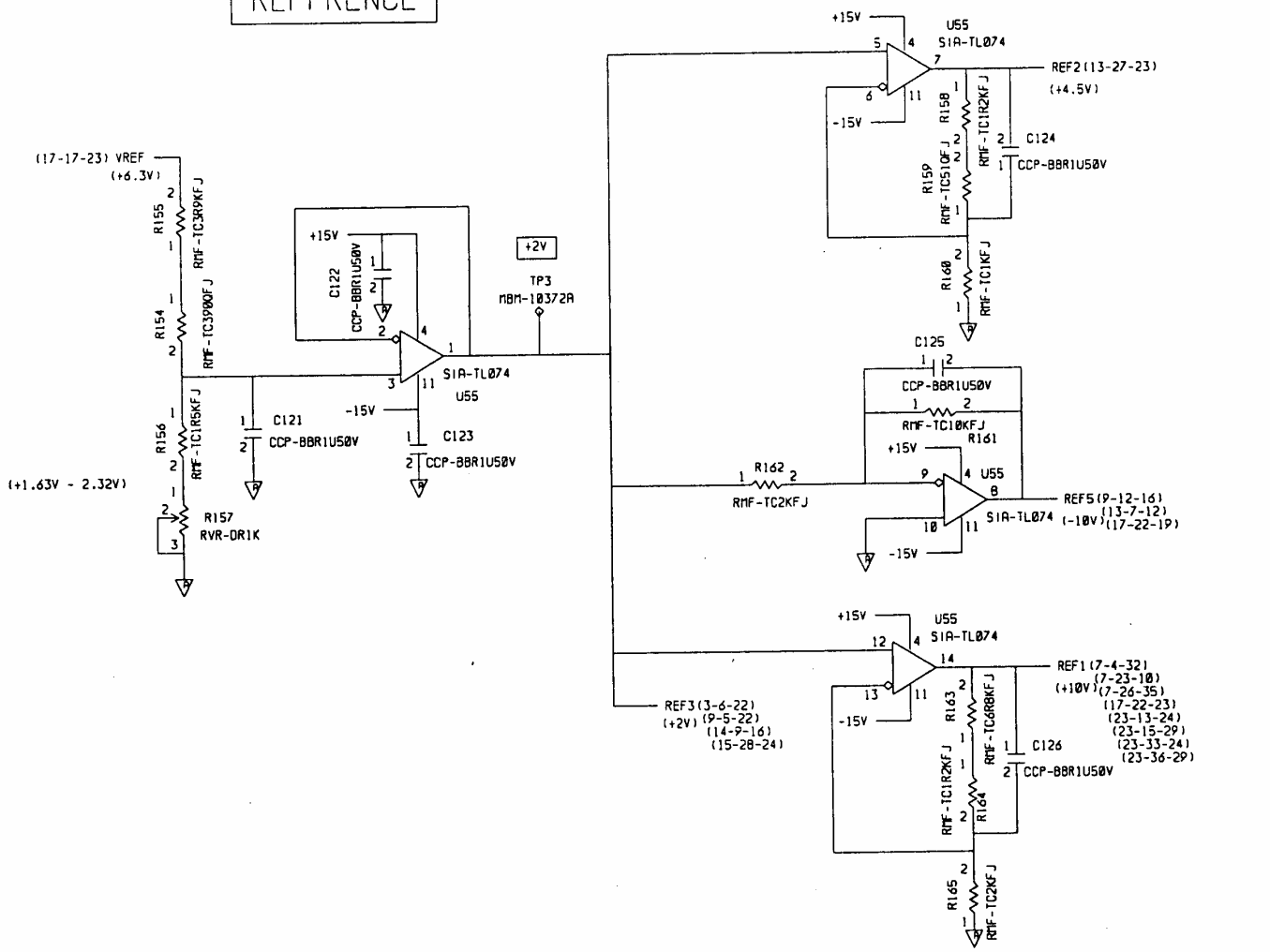

| | |
|---|---|
| BLS-017013 | 17 |
| TITLE: LOC/AD | 8.5-45 |

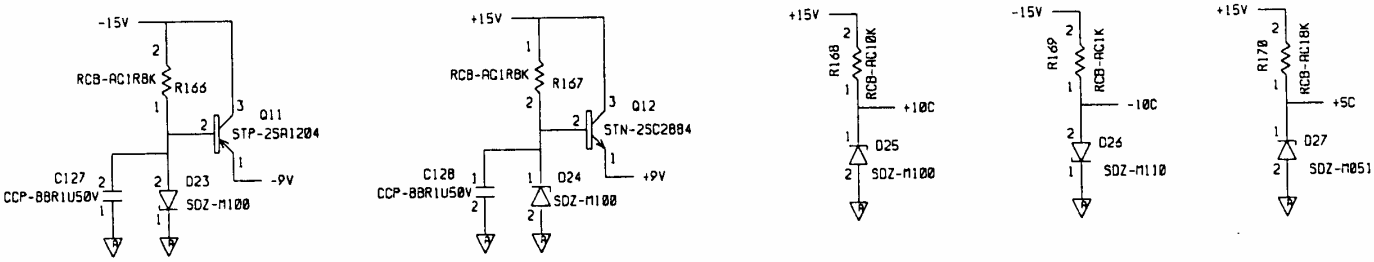

TV TRIGGER
+10C
-10C
R134
RCB-AC220
D21
JCS-DN010PX02-1
J6
(YOUT)
SDS-1SS226
R136
RCB-AC470K
+15V
C104
CCP-BBR1U50V
+5V
R139
RCB-AC470
C106
CCP-BA1000P50V
Q10
SIN-2SC2757
R140
RCB-AC1K
C107
CCP-BA1000P50V
R141
RCB-AC470
-15V
(0 - +2V)
(9-20-33) YIN
SIA-6361
U48
R135
RCB-AC1R5K
CCP-BBR1U50V
R116
RCB-AC3R9K
R1035
RCB-AC3R9K
U49
SIA-31PN
C100
C101
C102
CCP-BA33P50V
C135
C136
CCP-BBR1U50V
C105
(22-17-28) TVV
Q18
STN-F81A4P
(23-36-8) OSTR
R137
RCB-AC15K
<TRICGER LEVEL ADJUST>
R138
RCB-AC5R1K
C103
U88
SIA-74HC86
(22-17-28) SLOPE
R143
RCB-AC3R9K
R144
RCB-AC1K
C108
R146
RCB-AC680
R609
RCB-AC68
R145
RCB-AC1K
SIA-TL072
U51
C110



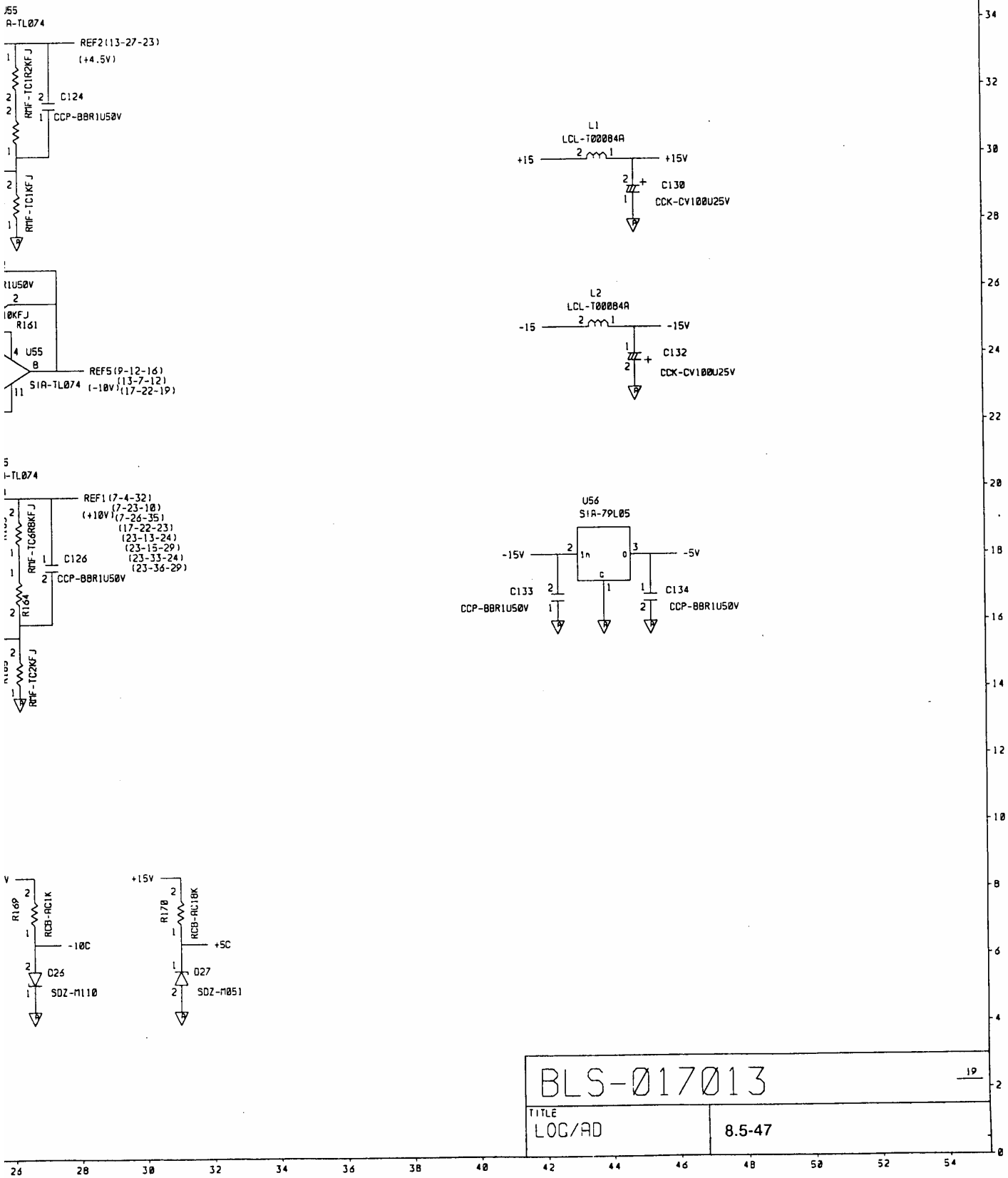

| | |
|---|---|
| BLS-017013 | 18 |
| TITLE: LOG/AD | 8.5-46 |

# REFFRENCE

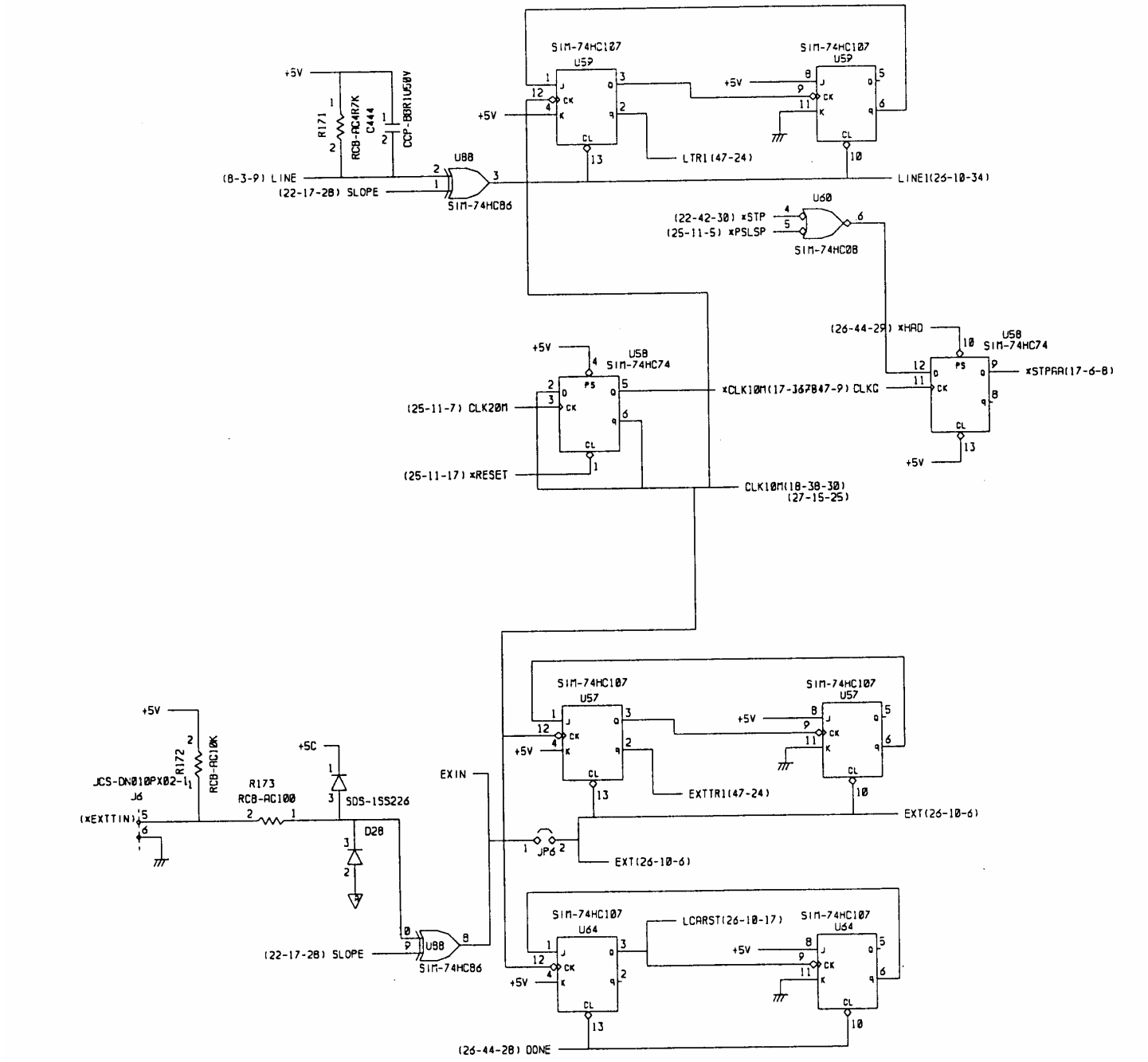

(17-17-23) VREF
(+6.3V)
R155
RMF-TC3R9KFJ
R154
RMF-TC390QFJ
R156
RMF-TC1R5KFJ
R157
RVR-DR1K
(+1.63V ~ 2.32V)
C121
CCP-B8R1U50V
C122
CCP-B8R1U50V
C123
CCP-B8R1U50V
+15V
-15V
+2V
TP3
MBM-10372A
U55
S1A-TL074
R158
RMF-TC1R2KFJ
R159
RMF-TC510FJ
C124
CCP-B8R1U50V
R160
RMF-TC1KFJ
REF2(13-27-23)
(+4.5V)
C125
CCP-B8R1U50V
R161
RMF-TC10KFJ
R162
RMF-TC2KFJ
REF5(9-12-16)
(13-7-12)
(17-22-19)
(-10V)
REF3(3-6-22)
(+2V) (9-5-22)
(14-9-16)
(15-28-24)
R163
RMF-TC6R8KFJ
R164
RMF-TC1R2KFJ
C126
CCP-B8R1U50V
R165
RMF-TC2KFJ
REF1(7-4-32)
(7-23-10)
(+10V)(7-26-35)
(17-22-23)
(23-13-24)
(23-15-29)
(23-33-24)
(23-36-29)

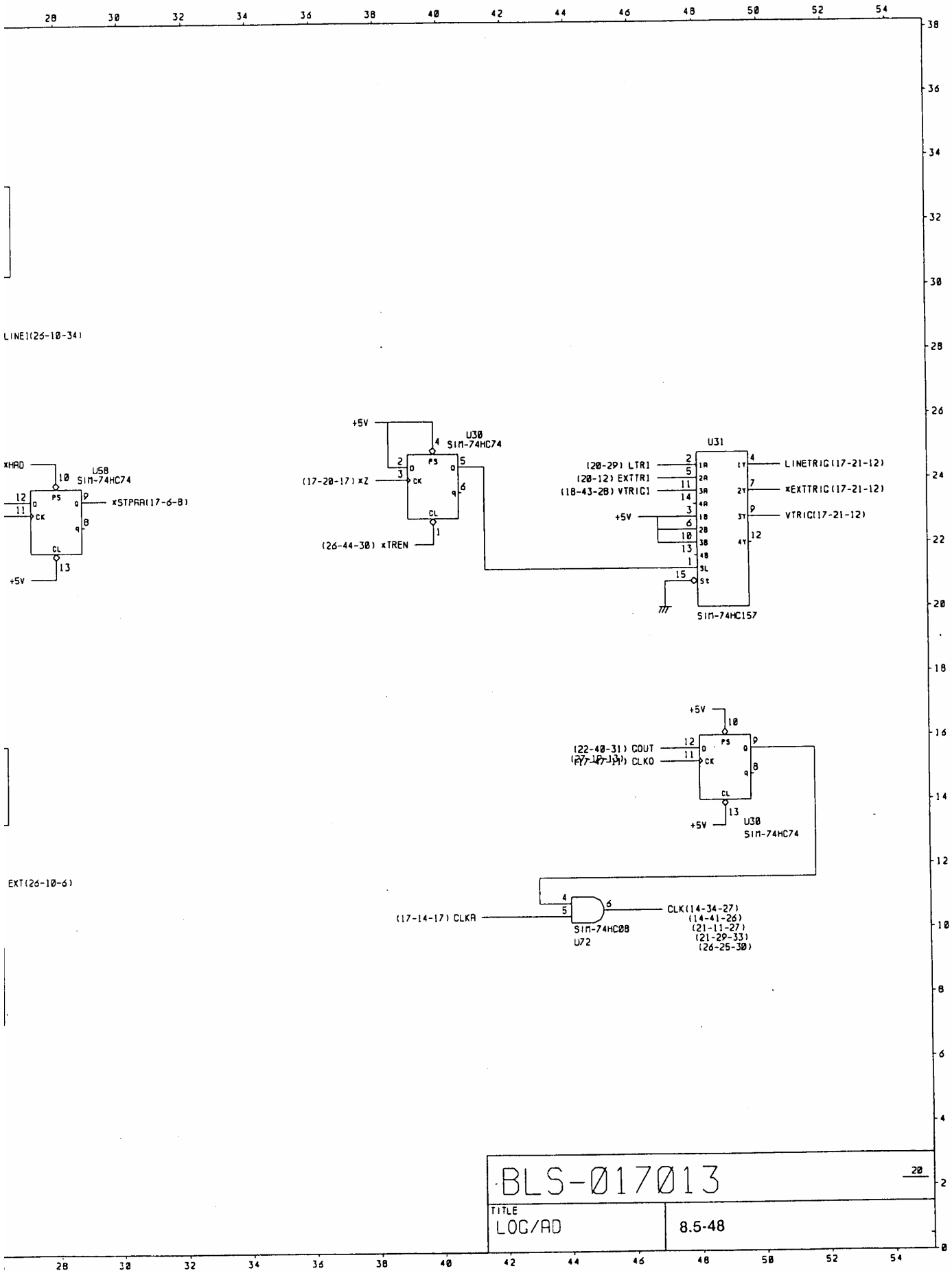

-15V
R166
RCB-AC1R8K
Q11
STP-25A1204
C127
CCP-B8R1U50V
D23
SDZ-M100
-9V
+15V
R167
RCB-AC1R8K
Q12
STN-2SC2884
C128
CCP-B8R1U50V
D24
SDZ-M100
+9V
R168
RCB-AC10K
+10C
D25
SDZ-M100
R169
RCB-AC1K
-10C
D26
SDZ-M110
R170
RCB-AC18K
+5C
D27
SDZ-M051

# LINE FILTER




| | |
|---|---|
| BLS-017013 | 19 |
| TITLE<br>LOC/AD | 8.5-47 |


SIM-74HC107
U59
SIM-74HC107
U59
+5V
R171
RCB-AC47K
C444
CCP-B8R1U50V
U88
(8-3-9) LINE
(22-17-28) SLOPE
SIM-74HC86
LTR1(47-24)
LINE1(26-10-34)
U60
(22-42-30) xSTP
(25-11-5) xPSLSP
SIM-74HC08
(26-44-29) xHAD
U58
SIM-74HC74
xSTPAA(17-6-8)
(25-11-7) CLK20M
xCLK10M(17-3&7&47-9) CLKC
(25-11-17) xRESET
CLK10M(18-38-30)
(27-15-25)
SIM-74HC107
U57
EXTTR1(47-24)
EXT(26-10-6)
JCS-DN010PX02-1
J6
(xEXTTIN)
R172
RCB-AC10K
R173
RCB-AC100
+5C
SDS-1SS226
D28
EXIN
JP6
U64
LCARST(26-10-17)
(26-44-28) DONE




BLS-017013

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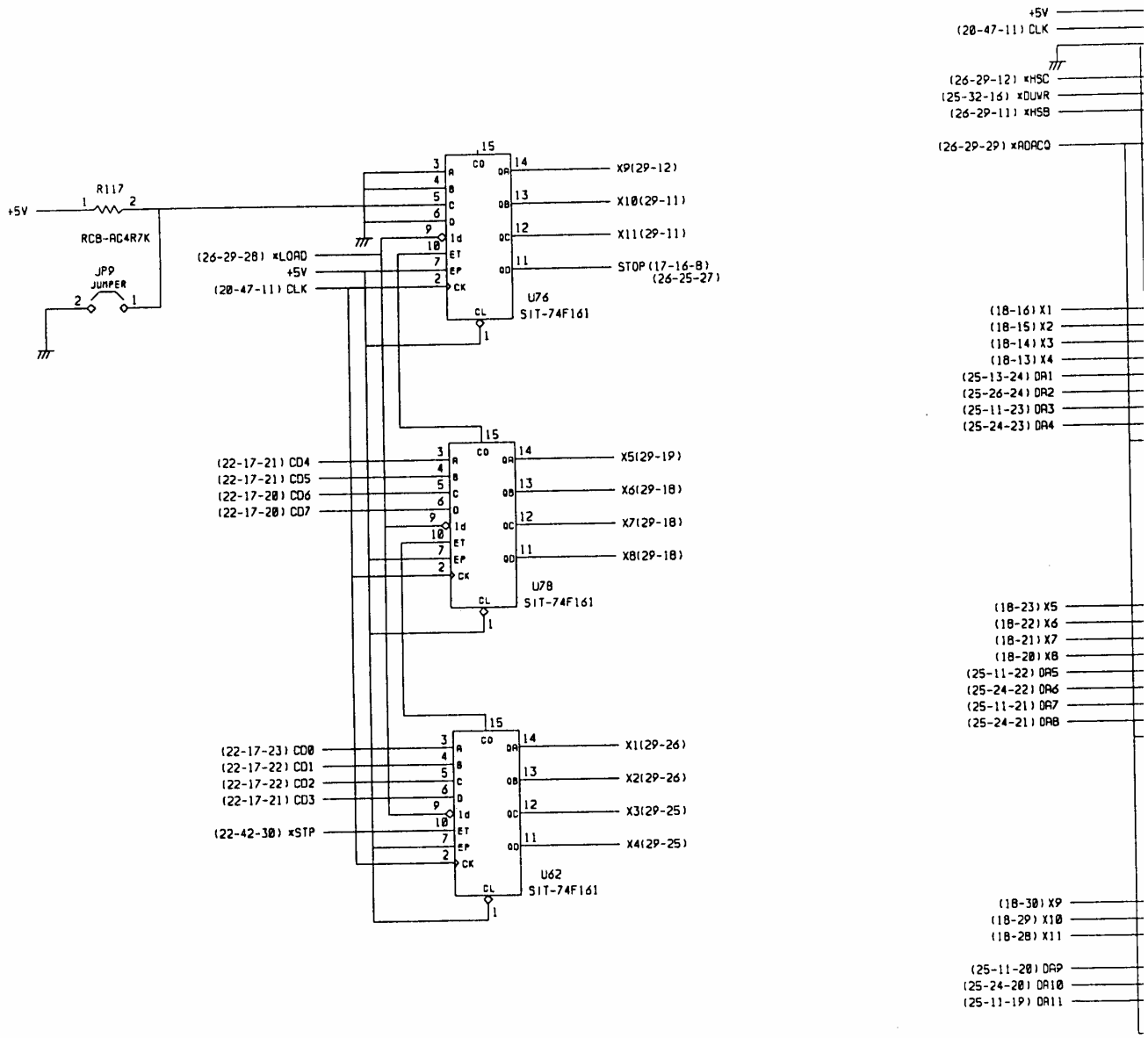
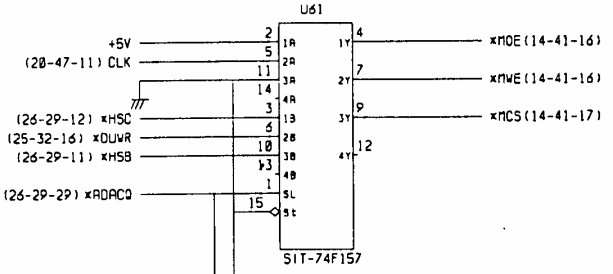
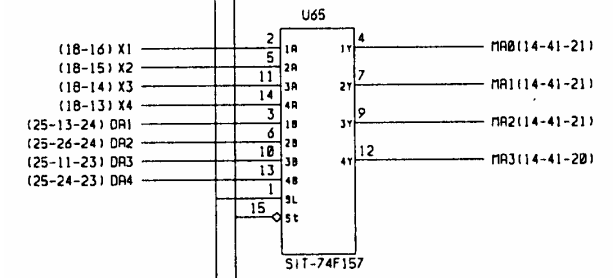
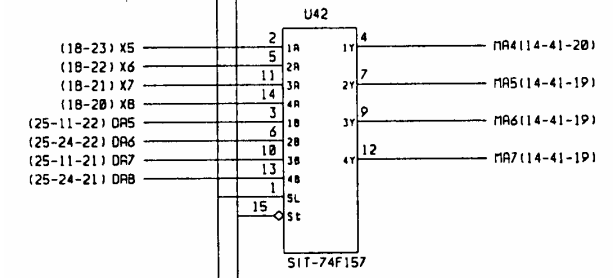
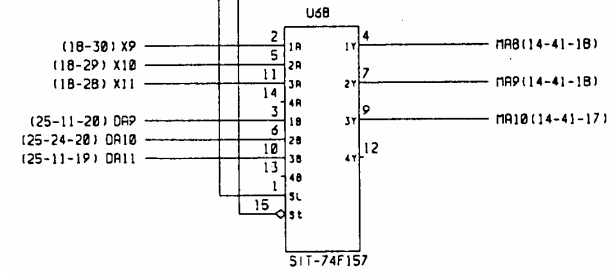
| TITLE | |
|---|---|
| LOG/AD | 8.5-48 |


+5V
(20-47-11) CLK
(26-29-12) *HSC
(25-32-16) *DUVR
(26-29-11) *HSB
(26-29-29) *ADACQ
R117
RCB-AC4R7K
JP9
JUMPER
(26-29-28) *LOAD
U76
SIT-74F161
X9(29-12)
X10(29-11)
X11(29-11)
STOP(17-16-8)
(26-25-27)
U78
SIT-74F161
(22-17-21) CD4
(22-17-21) CD5
(22-17-20) CD6
(22-17-20) CD7
X5(29-19)
X6(29-18)
X7(29-18)
X8(29-18)
U62
SIT-74F161
(22-17-23) CD0
(22-17-22) CD1
(22-17-22) CD2
(22-17-21) CD3
(22-42-30) *STP
X1(29-26)
X2(29-26)
X3(29-25)
X4(29-25)
(18-16) X1
(18-15) X2
(18-14) X3
(18-13) X4
(25-13-24) DA1
(25-26-24) DA2
(25-11-23) DA3
(25-24-23) DA4
(18-23) X5
(18-22) X6
(18-21) X7
(18-20) X8
(25-11-22) DA5
(25-24-22) DA6
(25-11-21) DA7
(25-24-21) DA8
(18-30) X9
(18-29) X10
(18-28) X11
(25-11-20) DA9
(25-24-20) DA10
(25-11-19) DA11

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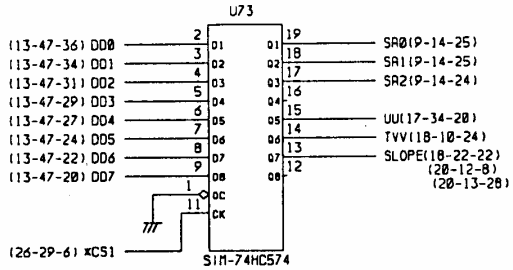
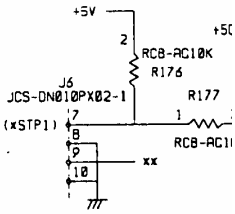
21

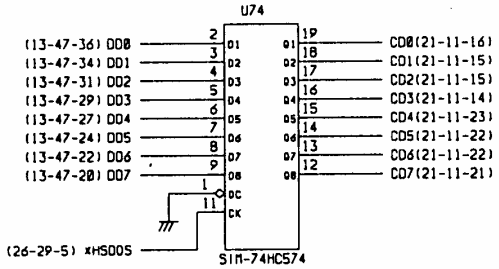
TITLE
LOC/AD

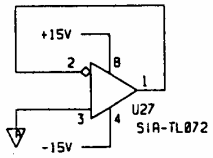
8.5-49

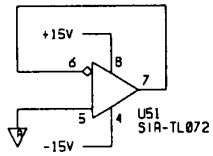

U73
(13-47-36) DD0
(13-47-34) DD1
(13-47-31) DD2
(13-47-29) DD3
(13-47-27) DD4
(13-47-24) DD5
(13-47-22) DD6
(13-47-20) DD7
(26-29-6) xCS1
SIM-74HC574
SA0(9-14-25)
SA1(9-14-25)
SA2(9-14-24)
UU(17-34-20)
TVV(18-10-24)
SLOPE(18-22-22)
(20-12-8)
(20-13-28)

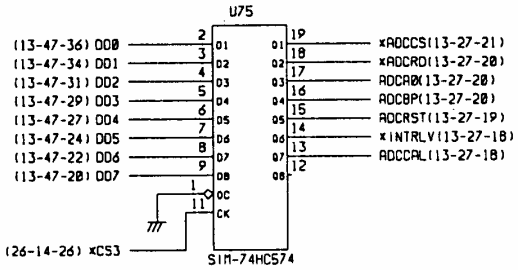

+5V
RC8-AC10K
R176
J6
JCS-DN010PX02-1
R177
(xSTP1)
RC8-AC1
xx

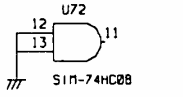
(25-24-9) x

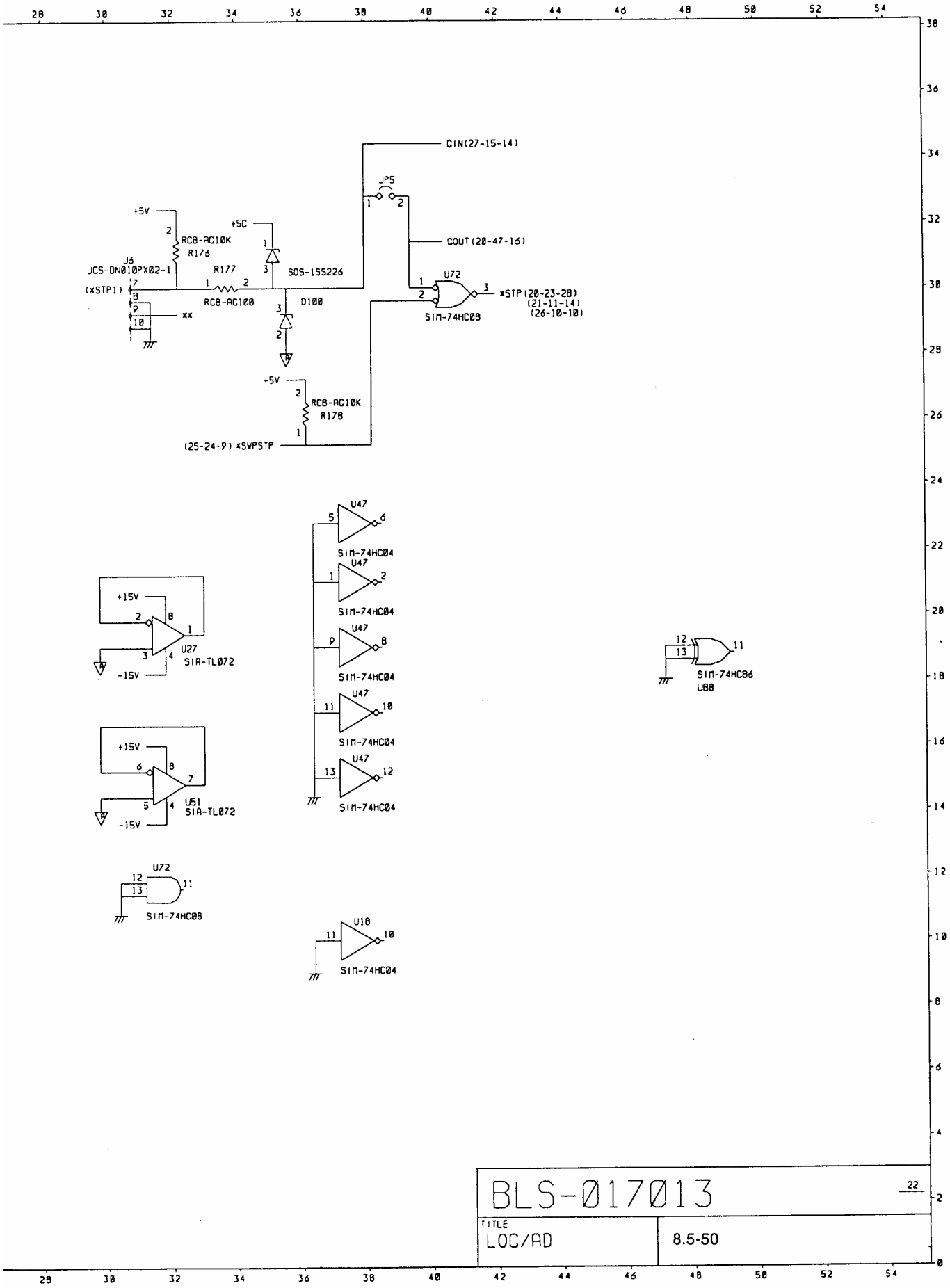

U74
(13-47-36) DD0
(13-47-34) DD1
(13-47-31) DD2
(13-47-29) DD3
(13-47-27) DD4
(13-47-24) DD5
(13-47-22) DD6
(13-47-20) DD7
(26-29-5) xHSDOS
SIM-74HC574
CD0(21-11-16)
CD1(21-11-15)
CD2(21-11-15)
CD3(21-11-14)
CD4(21-11-23)
CD5(21-11-22)
CD6(21-11-22)
CD7(21-11-21)

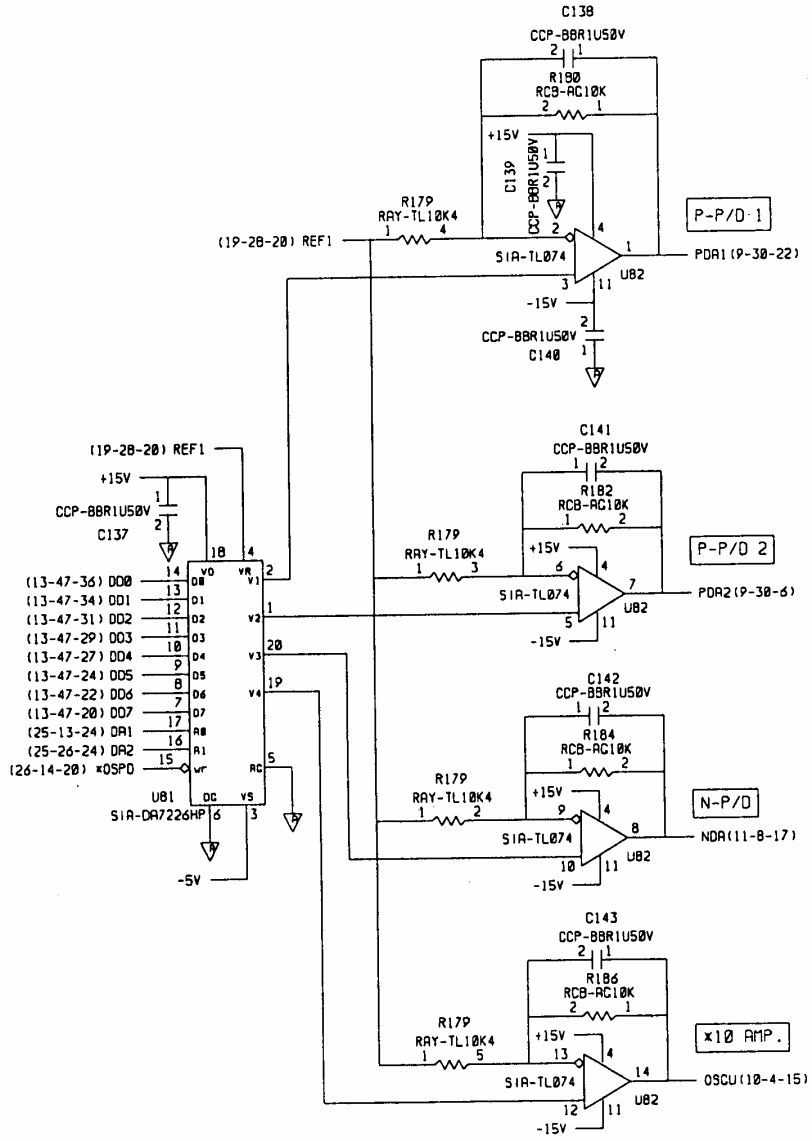

+15V
U27
SIA-TL072
-15V

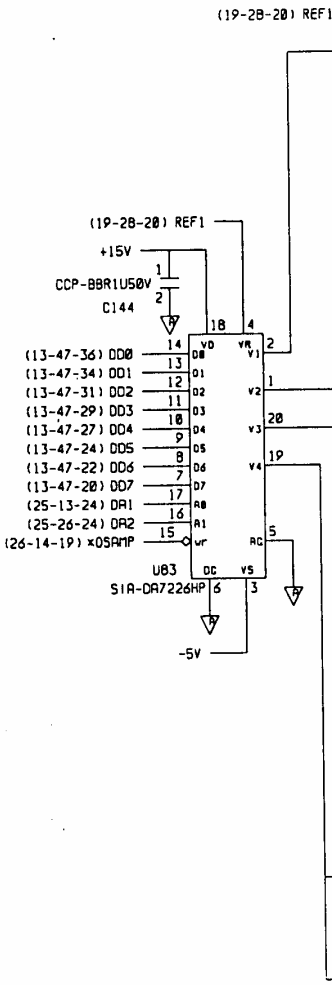

+15V
U51
SIA-TL072
-15V

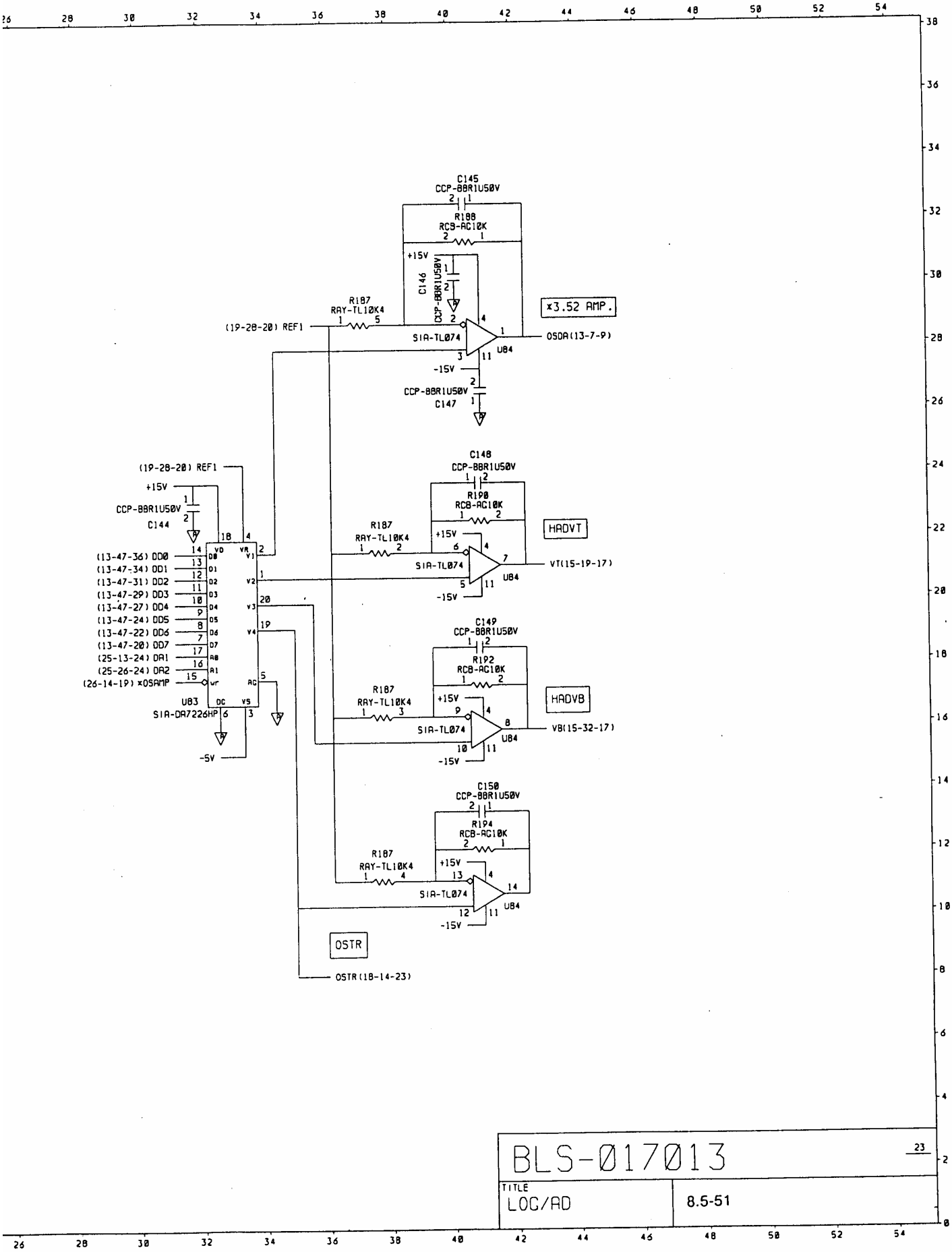

U75
(13-47-36) DD0
(13-47-34) DD1
(13-47-31) DD2
(13-47-29) DD3
(13-47-27) DD4
(13-47-24) DD5
(13-47-22) DD6
(13-47-20) DD7
(26-14-26) xCS3
SIM-74HC574
xADCCS(13-27-21)
xADCRD(13-27-20)
ADCA0(13-27-20)
ADCBP(13-27-20)
ADCRST(13-27-19)
xINTRLV(13-27-18)
ADCCAL(13-27-18)


U72
SIM-74HC08

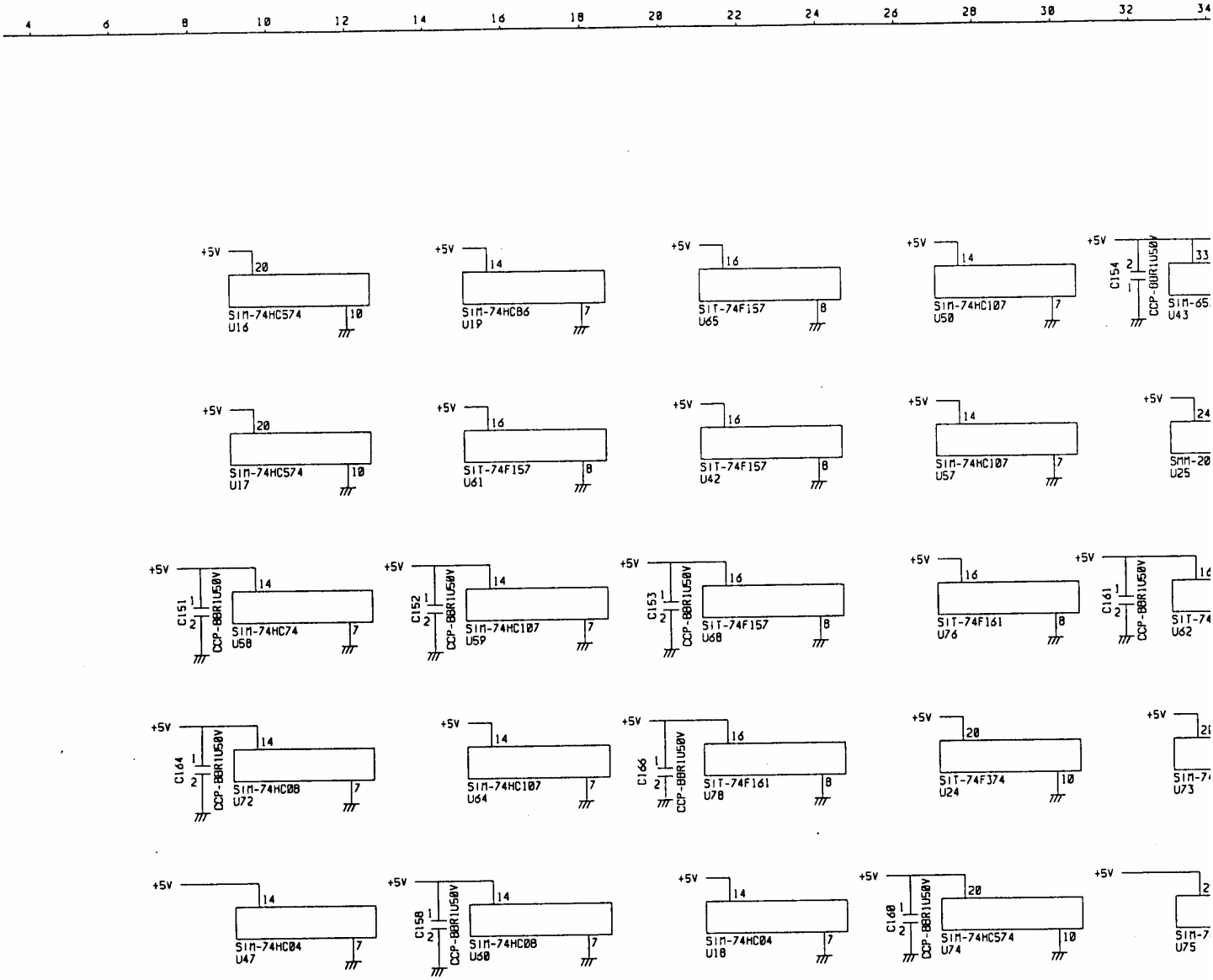

CIN(27-15-14)
JP5
+5V
RCB-AC10K
R176
+5C
J6
JCS-DN010PX02-1
(xSTP1)
R177
SOS-1SS226
COUT(20-47-16)
U72
xSTP(20-23-28)
(21-11-14)
(26-10-10)
RCB-AC100
D100
xx
SIM-74HC08
+5V
RCB-AC10K
R178
(25-24-9) xSWPSTP
U47
SIM-74HC04
+15V
U27
SIA-TL072
-15V
U88
SIM-74HC86
U51
U18
BLS-017013
22
TITLE
LOG/AD
8.5-50

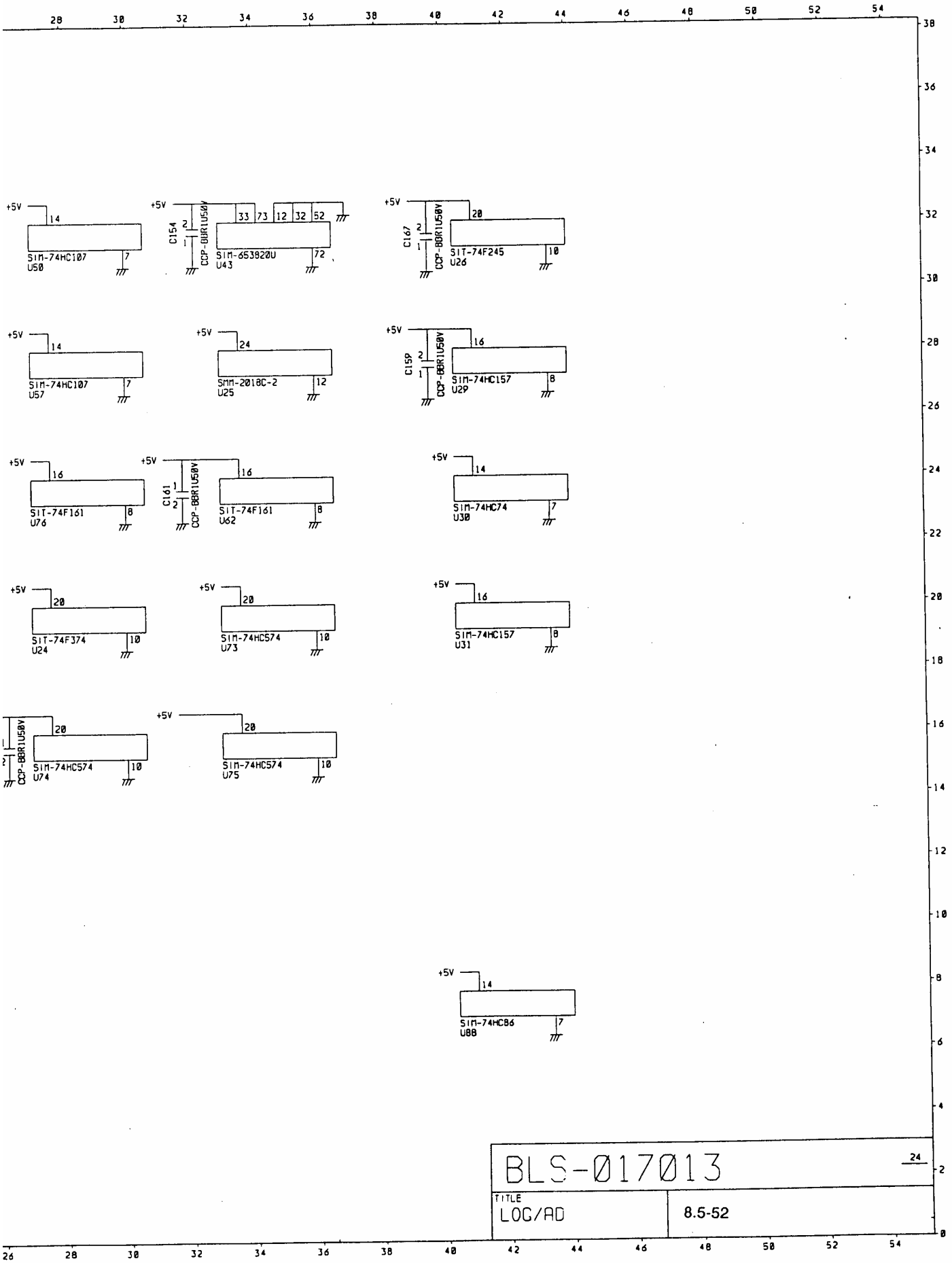

C138
CCP-BBR1U50V
R180
RCB-AC10K
+15V
C139
CCP-BBR1U50V
R179
RAY-TL10K4
(19-28-20) REF1
SIA-TL074
U82
P-P/D 1
PDA1(9-30-22)
-15V
CCP-BBR1U50V
C140
C141
CCP-BBR1U50V
R182
RCB-AC10K
P-P/D 2
PDA2(9-30-6)
C142
CCP-BBR1U50V
R184
RCB-AC10K
N-P/D
NDA(11-8-17)
C143
CCP-BBR1U50V
R186
RCB-AC10K
x10 AMP.
OSCU(10-4-15)
C137
CCP-BBR1U50V
(13-47-36) DD0
(13-47-34) DD1
(13-47-31) DD2
(13-47-29) DD3
(13-47-27) DD4
(13-47-24) DD5
(13-47-22) DD6
(13-47-20) DD7
(25-13-24) DA1
(25-26-24) DA2
(26-14-20) xOSPD
U81
SIA-DA7226HP
-5V


(19-28-20) REF1
+15V
C144
CCP-BBR1U50V
(13-47-36) DD0
(13-47-34) DD1
(13-47-31) DD2
(13-47-29) DD3
(13-47-27) DD4
(13-47-24) DD5
(13-47-22) DD6
(13-47-20) DD7
(25-13-24) DA1
(25-26-24) DA2
(26-14-19) xOSAMP
U83
SIA-DA7226HP
-5V




| | |
|---|---|
| BLS-017013 | 23 |
| TITLE: LOC/AD | 8.5-51 |


4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34
+5V
20
SIM-74HC574
U16
10
+5V
14
SIM-74HC86
U19
7
+5V
16
SIT-74F157
U65
8
+5V
14
SIM-74HC107
U50
7
+5V
C154
2
1
CCP-0BR1U50V
33
SIM-65
U43
+5V
20
SIM-74HC574
U17
10
+5V
16
SIT-74F157
U61
8
+5V
16
SIT-74F157
U42
8
+5V
14
SIM-74HC107
U57
7
+5V
24
SMM-20
U25
+5V
C151
1
2
CCP-BBR1U50V
14
SIM-74HC74
U58
7
+5V
C152
1
2
CCP-BBR1U50V
14
SIM-74HC107
U59
7
+5V
C153
1
2
CCP-BBR1U50V
16
SIT-74F157
U68
8
+5V
16
SIT-74F161
U76
8
+5V
C161
1
2
CCP-BBR1U50V
16
SIT-74
U62
+5V
C164
1
2
CCP-BBR1U50V
14
SIM-74HC08
U72
7
+5V
14
SIM-74HC107
U64
7
+5V
C166
1
2
CCP-BBR1U50V
16
SIT-74F161
U78
8
+5V
20
SIT-74F374
U24
10
+5V
2
SIM-7
U73
+5V
14
SIM-74HC04
U47
7
+5V
C158
1
2
CCP-BBR1U50V
14
SIM-74HC08
U60
7
+5V
14
SIM-74HC04
U18
7
+5V
C160
1
2
CCP-BBR1U50V
20
SIM-74HC574
U74
10
+5V
2
SIM-7
U75
4 6 8 10 12 14 16 18 20 22 24 26 28 30 32

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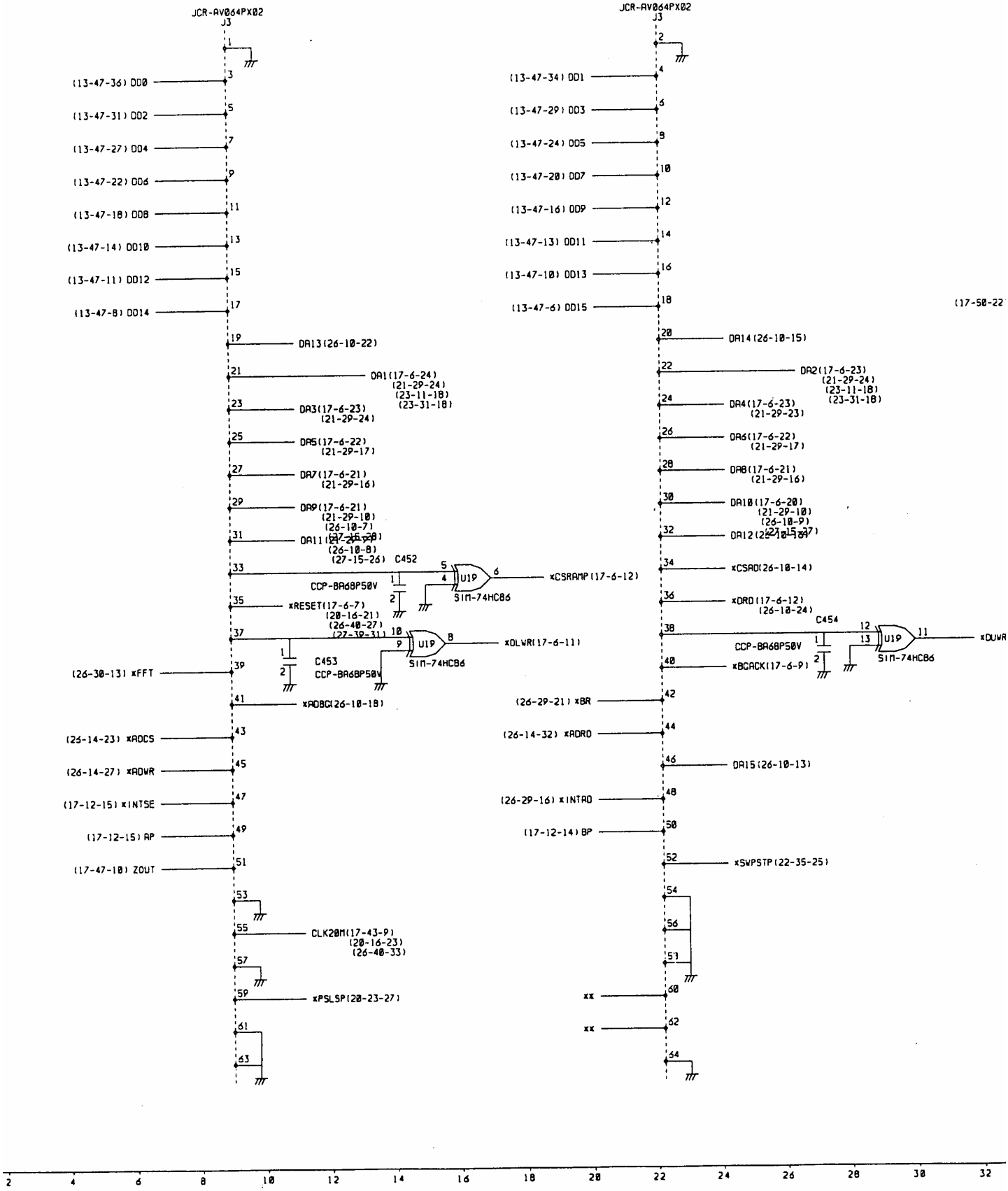
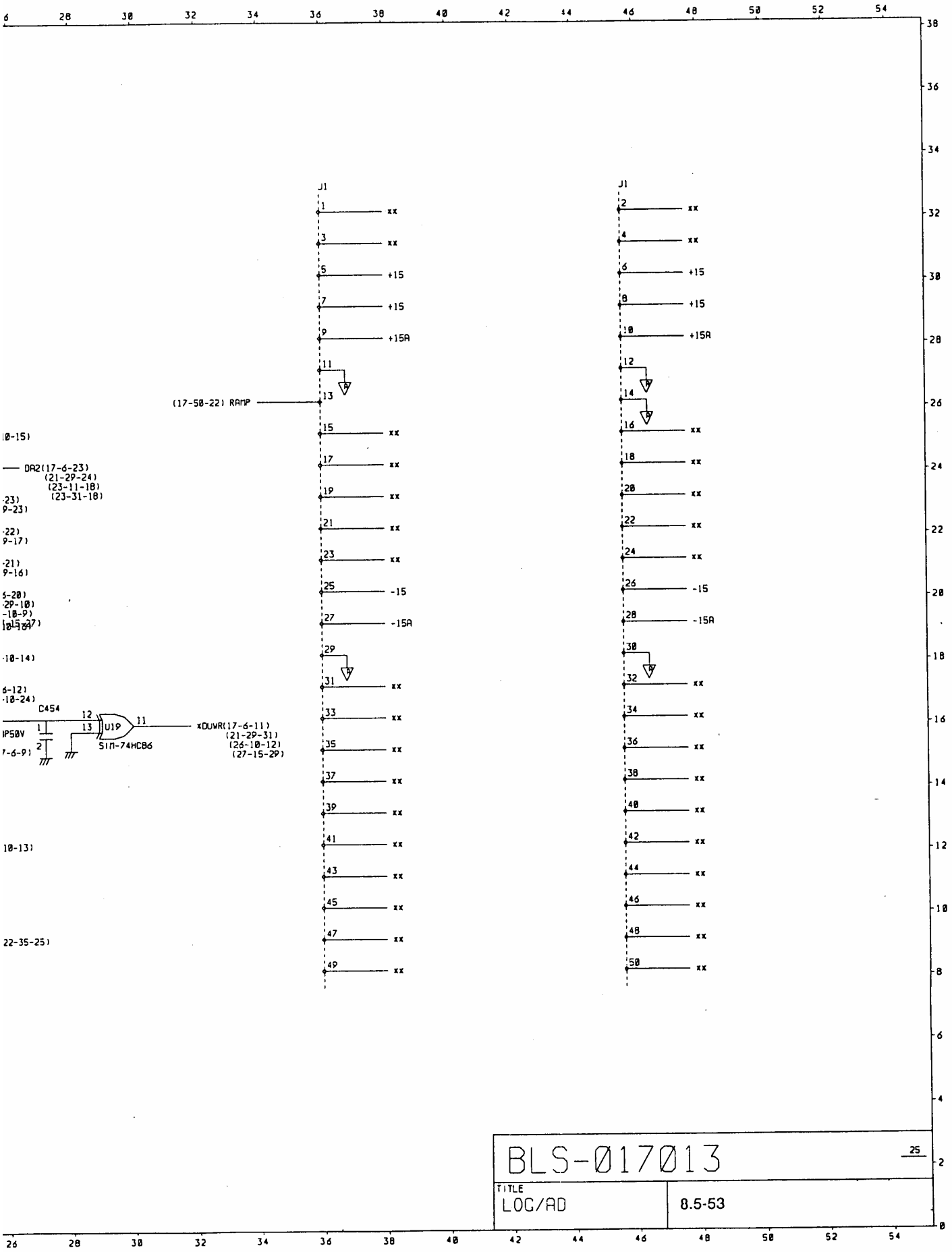
24

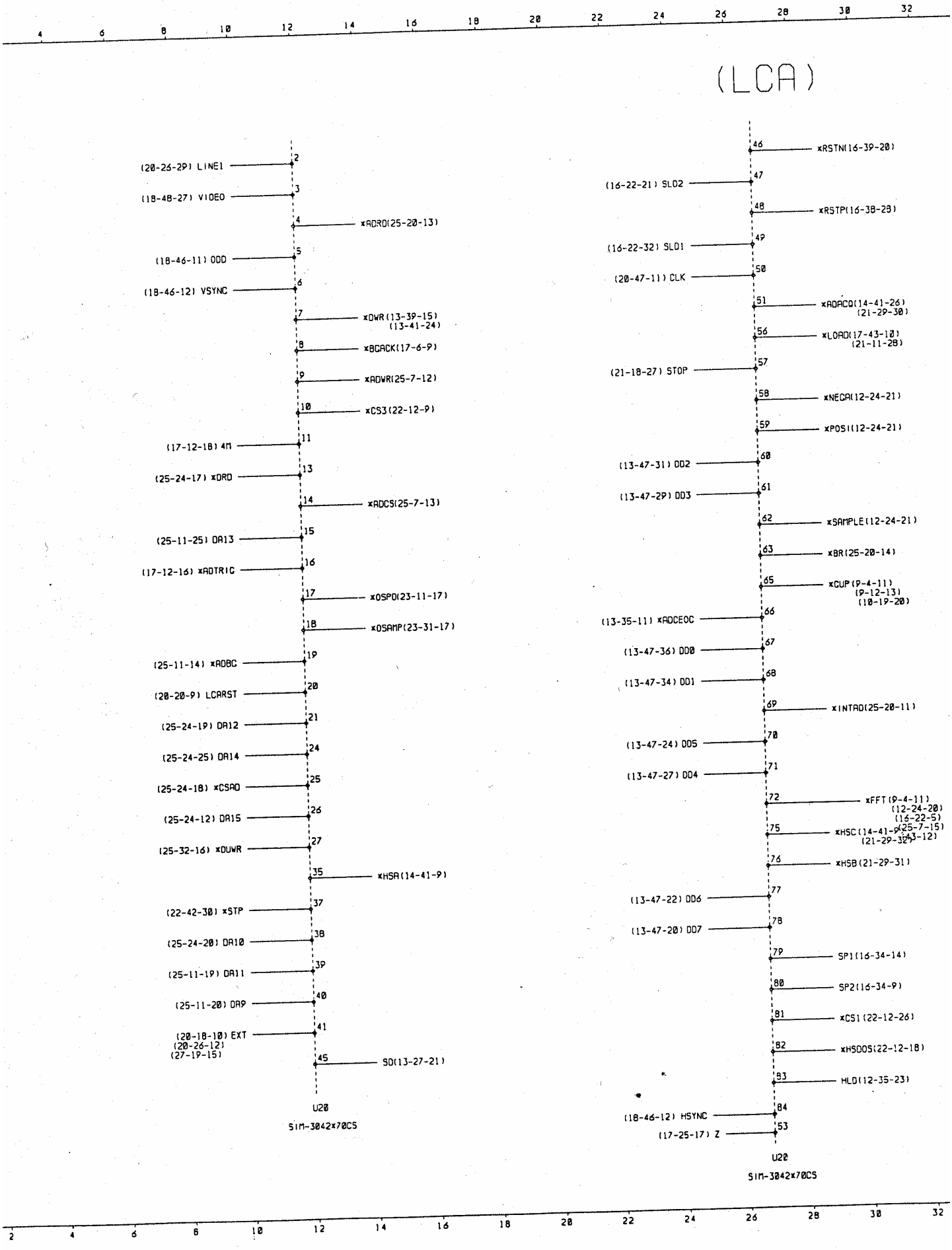
TITLE

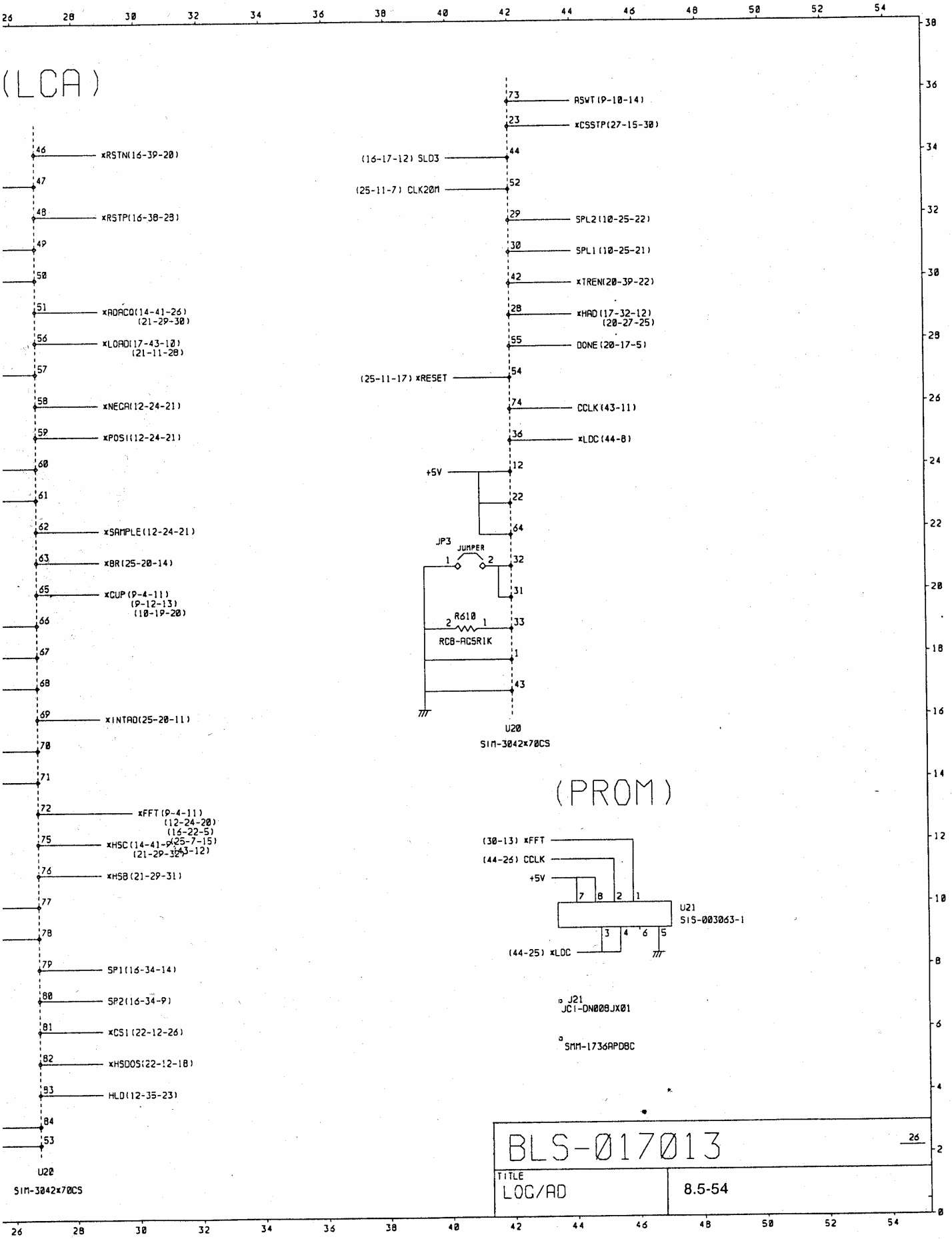
LOG/AD

8.5-52


JCR-AV064PX02
J3
(13-47-36) DD0
(13-47-31) DD2
(13-47-27) DD4
(13-47-22) DD6
(13-47-18) DD8
(13-47-14) DD10
(13-47-11) DD12
(13-47-8) DD14
DA13(26-10-22)
DA1(17-6-24) (21-29-24) (23-11-18) (23-31-18)
DA3(17-6-23) (21-29-24)
DA5(17-6-22) (21-29-17)
DA7(17-6-21) (21-29-16)
DA9(17-6-21) (21-29-10) (26-10-7)
DA11(21-29-28) (26-10-8) (27-15-26)
C452
CCP-BA68P50V
U19
SIM-74HC86
xCSRAMP(17-6-12)
xRESET(17-6-7) (20-16-21) (26-40-27) (27-39-31)
xDLWR(17-6-11)
C453
CCP-BA68P50V
(26-30-13) xFFT
xADBG(26-10-18)
(26-14-23) xADCS
(26-14-27) xADWR
(17-12-15) xINTSE
(17-12-15) AP
(17-47-10) ZOUT
CLK20M(17-43-9) (20-16-23) (26-40-33)
xPSLSP(20-23-27)
JCR-AV064PX02
J3
(13-47-34) DD1
(13-47-29) DD3
(13-47-24) DD5
(13-47-20) DD7
(13-47-16) DD9
(13-47-13) DD11
(13-47-10) DD13
(13-47-6) DD15
(17-50-22
DA14(26-10-15)
DA2(17-6-23) (21-29-24) (23-11-18) (23-31-18)
DA4(17-6-23) (21-29-23)
DA6(17-6-22) (21-29-17)
DA8(17-6-21) (21-29-16)
DA10(17-6-20) (21-29-10) (26-10-9)
DA12(21-29-27) (26-10-27)
xCSAD(26-10-14)
xDRD(17-6-12) (26-10-24)
C454
CCP-BA68P50V
U19
SIM-74HC86
xDUWR
xBCACK(17-6-9)
(26-29-21) xBR
(26-14-32) xADRD
DA15(26-10-13)
(26-29-16) xINTAD
(17-12-14) BP
xSWPSTP(22-35-25)
xx
xx


J1
1 xx
3 xx
5 +15
7 +15
9 +15A
11
13 (17-50-22) RAMP
15 xx
17 xx
19 xx
21 xx
23 xx
25 -15
27 -15A
29
31 xx
33 xx
35 xx
37 xx
39 xx
41 xx
43 xx
45 xx
47 xx
49 xx
J1
2 xx
4 xx
6 +15
8 +15
10 +15A
12
14
16 xx
18 xx
20 xx
22 xx
24 xx
26 -15
28 -15A
30
32 xx
34 xx
36 xx
38 xx
40 xx
42 xx
44 xx
46 xx
48 xx
50 xx
DA2(17-6-23)
(21-29-24)
(23-11-18)
(23-31-18)
C454
U19
SIM-74HC86
xDUWR(17-6-11)
(21-29-31)
(26-10-12)
(27-15-29)
BLS-017013
25
TITLE
LOG/AD
8.5-53


(LCA)
(20-26-29) LINE1
(18-48-27) VIDEO
xADR0(25-20-13)
(18-46-11) ODD
(18-46-12) VSYNC
xDWR(13-39-15)
(13-41-24)
xBCACK(17-6-9)
xADWR(25-7-12)
xCS3(22-12-9)
(17-12-18) 4M
(25-24-17) xDRD
xADCS(25-7-13)
(25-11-25) DA13
(17-12-16) xADTRIG
xOSP0(23-11-17)
xOSAMP(23-31-17)
(25-11-14) xADBC
(20-20-9) LCARST
(25-24-19) DA12
(25-24-25) DA14
(25-24-18) xCSAD
(25-24-12) DA15
(25-32-16) xDUWR
xHSA(14-41-9)
(22-42-30) xSTP
(25-24-20) DA10
(25-11-19) DA11
(25-11-20) DA9
(20-18-10) EXT
(20-26-12)
(27-19-15)
SO(13-27-21)
U20
SIM-3042x70CS
xRSTN(16-39-20)
(16-22-21) SLO2
xRSTP(16-38-28)
(16-22-32) SLO1
(20-47-11) CLK
xADACQ(14-41-26)
(21-29-30)
xLOAD(17-43-10)
(21-11-28)
(21-18-27) STOP
xNEGA(12-24-21)
xPOSI(12-24-21)
(13-47-31) DD2
(13-47-29) DD3
xSAMPLE(12-24-21)
xBR(25-20-14)
xCUP(9-4-11)
(9-12-13)
(10-19-20)
(13-35-11) xADCEOC
(13-47-36) DD0
(13-47-34) DD1
xINTAD(25-20-11)
(13-47-24) DD5
(13-47-27) DD4
xFFT(9-4-11)
(12-24-20)
(16-22-5)
xHSC(14-41-9)
(21-29-32)
xHSB(21-29-31)
(13-47-22) DD6
(13-47-20) DD7
SP1(16-34-14)
SP2(16-34-9)
xCS1(22-12-26)
xHSDOS(22-12-18)
HLD(12-35-23)
(18-46-12) HSYNC
(17-25-17) Z
U20
SIM-3042x70CS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46 xRSTN(16-39-20)
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48 xRSTP(16-38-28)
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50
51 xADACO(14-41-26) (21-29-30)
56 xLOAD(17-43-10) (21-11-28)
57
58 xNEGA(12-24-21)
59 xPOSI(12-24-21)
60
61
62 xSAMPLE(12-24-21)
63 xBR(25-20-14)
65 xCUP(9-4-11) (9-12-13) (10-19-20)
66
67
68
69 xINTAO(25-20-11)
70
71
72 xFFT(9-4-11) (12-24-20) (16-22-5) (25-7-15) (43-12)
75 xHSC(14-41-26) (21-29-32)
76 xHSB(21-29-31)
77
78
79 SP1(16-34-14)
80 SP2(16-34-9)
81 xCS1(22-12-26)
82 xHSDOS(22-12-18)
83 HLD(12-35-23)
84
53
U20
SIM-3042x70CS
73 RSWT(9-10-14)
23 xCSSTP(27-15-30)
(16-17-12) SLD3 44
(25-11-7) CLK20M 52
29 SPL2(10-25-22)
30 SPL1(10-25-21)
42 xTREN(20-39-22)
28 xHAD(17-32-12) (20-27-25)
55 DONE(20-17-5)
(25-11-17) xRESET 54
74 CCLK(43-11)
36 xLDC(44-8)
+5V 12
22
64
JP3
JUMPER
1
2
32
31
R610
2
1
33
RCB-AC5R1K
1
43
U20
SIM-3042x70CS
(PROM)
(30-13) xFFT
(44-26) CCLK
+5V
7
8
2
1
U21
SIS-003063-1
3
4
6
5
(44-25) xLDC
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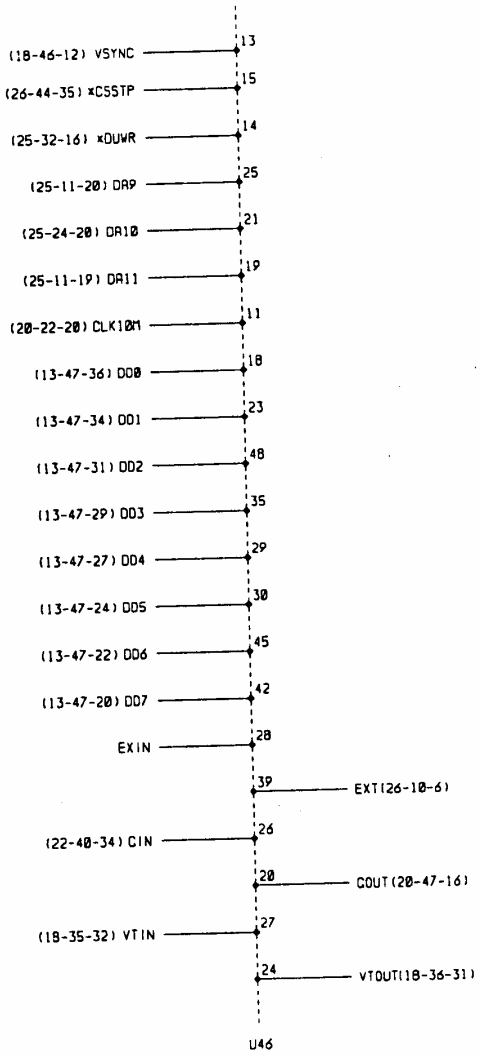
SMM-1736APD8C
BLS-017013
26
TITLE
LOC/AD
8.5-54

(LCA)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13
(26-44-35) *CSSTP
15
(25-32-16) *DUWR
14
(25-11-20) DA9
25
(25-24-20) DA10
21
(25-11-19) DA11
19
(20-22-20) CLK10M
11
(13-47-36) DD0
18
(13-47-34) DD1
23
(13-47-31) DD2
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(13-47-29) DD3
35
(13-47-27) DD4
29
(13-47-24) DD5
30
(13-47-22) DD6
45
(13-47-20) DD7
42
EXIN
28
39
EXT(26-10-6)
(22-40-34) CIN
26
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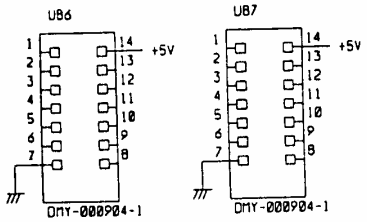
COUT(20-47-16)
(18-35-32) VTIN
27
24
VTOUT(18-36-31)
U46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U87
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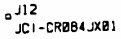
DMY-000904-1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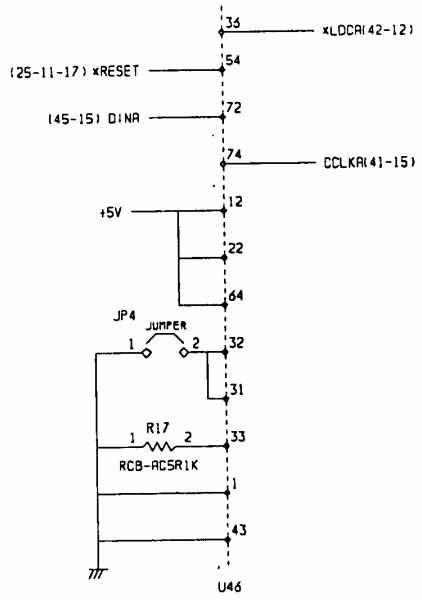
LCA)

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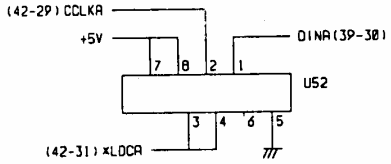


J11
JC1-DN008JX01

| | |
|---|---|
| BLS-017013 | 27/27 |
| TITLE: LOC/AD | 8.5-55 * |

**R3265A/3271A**
**CPU BLOCK**
**WBL-32XXCPU**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| | BLS-018191 | CPU BOARD | |
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**R3265A/3271A**
**CPU BLOCK**
**BLS-018191 (1 of 8)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| BT1 | DBP-001841 | LITHIUM BAT | |
| C1 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C2 -7 | CCP-BA150P50V | FXD CHIP 150pF ±10% 50V | |
| C8 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C9 | CTA-AS3R3U16V | FXD TANTAL 3.3μF ±20% 16V | |
| C10 -15 | CCP-TCR1U50V | FXD CHIP 0.1μF ±10% 50V | |
| C16 -17 | CCK-CV470U16V | FXD ELECT 470μF ±20% 16V | |
| C18 -20 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C21 | CCK-CV470U16V | FXD ELECT 470μF ±20% 16V | |
| C22 | CCK-CH47U16V | FXD ELECT 47μF ±20% 16V | |
| C23 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C24 | CCP-BA150P50V | FXD CHIP 150pF ±10% 50V | |
| C25 | CCP-BA1000P50V | FXD CHIP 1000pF ±10% 50V | |
| C26 -27 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C28 | CTA-AS3R3U16V | FXD TANTAL 3.3μF ±20% 16V | |
| C29 -94 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C95 | CTA-AS3R3U16V | FXD TANTAL 3.3μF ±20% 16V | |
| C96 -97 | CCK-CH47U16V | FXD ELECT 47μF ±20% 16V | |
| C98 | CCK-CH33U25V | FXD ELECT 33μF ±20% 16V | |
| C99 | CCP-BA10P50V | FXD CHIP 10pF ±10% 50V | |
| C100 -101 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C102 | CTA-AS3R3U16V | FXD TANTAL 3.3μF ±20% 16V | |
| C103 -133 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C134 | CCP-BA100P50V | FXD CHIP 100pF ±10% 50V | |
| C135 -137 | CCP-TCR1U50V | FXD CHIP 0.1μF +80%-20% 50V | |
| C138 | CTA-AC1U35V | FXD TANTAL 1μF ±20% 35V | |
| C139 | CSM-AZ10P50V | FXD CER 10pF ±10% 50V | |
| CM1 | JCI-DN008JX01 | IC SOCKET | |
| CM2 | JCI-DN014JX01 | IC SOCKET | |
| CM3 | JCI-DN020JX01 | IC SOCKET | |
| CM4 | JCI-DN032JX01 | IC SOCKET | |
| CM5 | JCI-DN020JX01 | IC SOCKET | |
| CM6 -8 | JCI-DN032JX01 | IC SOCKET | |
| D1 | SDZ-M030 | ZENER DIODE | |
| D6 -12 | SDS-1SS190 | DIODE S1 | |
| D13 | SDS-1SS226 | DIODE S1 | |
| D15 | SDZ-M036 | ZENER DIODE | |
| D16 | SDS-1SS190 | DIODE S1 | |
| DL1 | DDL-AK20 | DELAY LINE 100ns | |
| E1 | DEE-002022 | | |

**R3265A/3271A**
**CPU BLOCK**
**BLS-018191 (2 of 8)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| J1 -2 | JCR-AV064PX02 | CONNECTOR | |
| J3 | JCR-AV050PX02 | CONNECTOR | |
| J4 | JCR-AF026PX02 | CONNECTOR | |
| J5 | JCS-DN010PX02 | CONNECTOR | |
| J6 | JCF-BF001JX01 | CONNECTOR | |
| J7 -9 | JCF-BF001JX02 | CONNECTOR | |
| J10 | JCR-AF026PX02 | CONNECTOR | |
| J11 | JCR-AF010PX02 | CONNECTOR | |
| J12 | JCR-AF030PX02 | CONNECTOR | |
| J15 | JCR-AF034PX02 | CONNECTOR | |
| J16 | JCP-BF003PX01 | CONNECTOR | |
| J17 | JCS-DQ068PX01 | CONNECTOR | |
| J19 | JCS-FF006PX01 | CONNECTOR | |
| L1 -2 | LCL-E01430 | COIL | |
| L3 | DNF-002272 | FILTER | |
| L5 | DNF-002272 | FILTER | |
| P1 -3 | | JUMPER RAND | |
| P11 -13 | | JUMPER RAND | |
| P21 -23 | | JUMPER RAND | |
| P31 -33 | | JUMPER RAND | |
| P41 -43 | | JUMPER RAND | |
| Q1 | STT-FMA5*T148 | DUAL MINI MOLD TRANSISTOR | |
| Q3 | STT-FMA5*T148 | DUAL MINI MOLD TRANSISTOR | |
| Q5 | STT-FMA5*T148 | DUAL MINI MOLD TRANSISTOR | |
| Q7 | STT-FMA5*T148 | DUAL MINI MOLD TRANSISTOR | |
| Q9 | STP-2SA812 | TRANSISTOR PNP | |
| Q10 -14 | STN-2SC1623 | TRANSISTOR NPN | |
| Q15 | STN-2SB804 | TRANSISTOR PNP | |
| Q16 | STN-2SC1623 | TRANSISTOR NPN | |
| R1 -6 | RAY-CJ3R9K8 | FXD RA 3.9kΩ ±5% 1/16W | |
| R7 -9 | RCP-AN1K | FXD CHIP 1kΩ ±0.5% 1/10W | |
| R10 | RCP-AN10K | FXD CHIP 10kΩ ±0.5% 1/10W | |
| R11 | RCP-AN3R9K | FXD CHIP 3.9kΩ ±0.5% 1/10W | |
| R12 | RCP-AN1K | FXD CHIP 1kΩ ±0.5% 1/10W | |
| R13 -20 | RCP-AN150 | FXD CHIP 150Ω ±0.5% 1/10W | |
| R21 | RAY-CJ33K8 | FXD RA 33kΩ ±5% 1/16W | |
| R23 | RAY-CJ33K8 | FXD RA 33kΩ ±5% 1/16W | |
| R25 | RAY-CJ33K8 | FXD RA 33kΩ ±5% 1/16W | |
| R27 | RCP-AN6R8K | FXD CHIP 6.8kΩ ±0.5% 1/10W | |
| R28 | RCP-AN10K | FXD CHIP 10kΩ ±0.5% 1/10W | |

**R3265A/3271A**
**CPU BLOCK**
**BLS-018191 (3 of 8)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R29 -31 | RAY-TL1K8-1 | FXD | RA | 33kΩ | ±5% | 1/8W | |
| R32 | RCB-AN51 | FXD | CHIP | 51Ω | ±0.5% | 1/10W | |
| R33 | RCB-AN680 | FXD | CHIP | 680Ω | ±0.5% | 1/10W | |
| R34 | RCB-AN270 | FXD | CHIP | 270Ω | ±0.5% | 1/10W | |
| R35 | RCB-AN51 | FXD | CHIP | 51Ω | ±0.5% | 1/10W | |
| R36 | RCB-AN1K | FXD | CHIP | 1kΩ | ±0.5% | 1/10W | |
| R37 | RCB-AN680 | FXD | CHIP | 680Ω | ±0.5% | 1/10W | |
| R38 | RCB-AN270 | FXD | CHIP | 270Ω | ±0.5% | 1/10W | |
| R39 | RCB-AN51 | FXD | CHIP | 51Ω | ±0.5% | 1/10W | |
| R40 | RCB-AN100 | FXD | CHIP | 100Ω | ±0.5% | 1/10W | |
| R41 | RCB-AN680 | FXD | CHIP | 680Ω | ±0.5% | 1/10W | |
| R42 | RCB-AN270 | FXD | CHIP | 270Ω | ±0.5% | 1/10W | |
| R43 -45 | RCB-AN1K | FXD | CHIP | 1kΩ | ±0.5% | 1/10W | |
| R46 | RCB-AN3R3K | FXD | CHIP | 3.3kΩ | ±0.5% | 1/10W | |
| R47 | RAY-CJ1K8 | FXD | RA | 1kΩ | ±5% | 1/16W | |
| R48 | RCB-AN390 | FXD | CHIP | 390Ω | ±0.5% | 1/10W | |
| R49 -51 | RCB-AN2R2K | FXD | CHIP | 2.2kΩ | ±0.5% | 1/10W | |
| R52 | RCB-AN560 | FXD | CHIP | 560Ω | ±0.5% | 1/10W | |
| R53 | RCB-AN120 | FXD | CHIP | 120Ω | ±0.5% | 1/10W | |
| R54 | RCB-AN330 | FXD | CHIP | 330Ω | ±0.5% | 1/10W | |
| R55 | RCB-AN820 | FXD | CHIP | 820Ω | ±0.5% | 1/10W | |
| R56 | RCB-AN680 | FXD | CHIP | 680Ω | ±0.5% | 1/10W | |
| R57 | RCB-AN220 | FXD | CHIP | 220Ω | ±0.5% | 1/10W | |
| R58 | RCB-AN3R3K | FXD | CHIP | 3.3kΩ | ±0.5% | 1/10W | |
| R59 | RCB-AN470 | FXD | CHIP | 470Ω | ±0.5% | 1/10W | |
| R60 | RCB-AN100 | FXD | CHIP | 100Ω | ±0.5% | 1/10W | |
| R61 | RCB-AN1R5K | FXD | CHIP | 1.5kΩ | ±0.5% | 1/10W | |
| R62 | RCB-AN3R3K | FXD | CHIP | 3.3kΩ | ±0.5% | 1/10W | |
| R63 | RCB-AN220 | FXD | CHIP | 220Ω | ±0.5% | 1/10W | |
| R64 | RCB-AN68 | FXD | CHIP | 68Ω | ±0.5% | 1/10W | |
| R65 | RCB-AN10K | FXD | CHIP | 10kΩ | ±0.5% | 1/10W | |
| R66 | RCB-AN220 | FXD | CHIP | 220Ω | ±0.5% | 1/10W | |
| R67 | RCB-AN680 | FXD | CHIP | 680Ω | ±0.5% | 1/10W | |
| R68 -69 | RCB-AN1K | FXD | CHIP | 1kΩ | ±0.5% | 1/10W | |
| R70 | RCB-AN10K | FXD | CHIP | 10kΩ | ±0.5% | 1/10W | |
| R71 | RCB-AN1K | FXD | CHIP | 1kΩ | ±0.5% | 1/10W | |
| R72 | RCB-AN4R7K | FXD | CHIP | 4.7kΩ | ±0.5% | 1/10W | |
| R73 -74 | RAY-CJ3R9K8 | FXD | RA | 3.9kΩ | ±5% | 1/16W | |
| R75 | RAY-TL1K8-1 | FXD | RA | 1kΩ | ±1% | 1/8W | |
| R76 -83 | RAY-CJ3R9K8 | FXD | RA | 3.9kΩ | ±5% | 1/16W | |

**R3265A/3271A**
**CPU BLOCK**
**BLS-018191 (4 of 8)**

| Parts No. | Advantest Stock No. | Description | | | | | Note |
|---|---|---|---|---|---|---|---|
| R84 | RCP-AN330 | FXD | CHIP | 330Ω | ±0.5% | 1/10W | |
| R85 | RCP-AN1K | FXD | CHIP | 1kΩ | ±0.5% | 1/10W | |
| R86 -87 | RAY-CJ1K8 | FXD | RA | 1kΩ | ±5% | 1/16W | |
| R90 | RCP-AN3R9K | FXD | CHIP | 3.9kΩ | ±0.5% | 1/10W | |
| R91 | RCP-AN33 | FXD | CHIP | 33Ω | ±0.5% | 1/10W | |
| R92 | RCP-AN10K | FXD | CHIP | 10kΩ | ±0.5% | 1/10W | |
| R93 | RVR-DP1K | VAR | | 1kΩ | ±20% | | |
| R94 | RCP-AN1K | FXD | CHIP | 1kΩ | ±0.5% | 1/10W | |
| R95 -100 | RAY-CJ3R9K8 | FXD | RA | 3.9kΩ | ±5% | 1/16W | |
| R101 | RCP-AN10K | FXD | CHIP | 10kΩ | ±0.5% | 1/10W | |
| R102 | RCP-AN3R3K | FXD | CHIP | 3.3kΩ | ±0.5% | 1/10W | |
| R103 | RCP-AN1K | FXD | CHIP | 1kΩ | ±0.5% | 1/10W | |
| R104 | RCP-AN3R9K | FXD | CHIP | 3.9kΩ | ±0.5% | 1/10W | |
| R105 -106 | RCP-AN1K | FXD | CHIP | 1kΩ | ±0.5% | 1/10W | |
| R107 | RCP-AN3R3K | FXD | CHIP | 3.3kΩ | ±0.5% | 1/10W | |
| R108 | RCP-AN6R8K | FXD | CHIP | 6.8kΩ | ±0.5% | 1/10W | |
| R109 -110 | RAY-BGX0015 | FXD | RA | 3kΩ/6.2kΩ | ±5% | 1/8W | |
| R111 | RCP-AN5R1K | FXD | CHIP | 5.1kΩ | ±0.5% | 1/10W | |
| R112 -113 | RCP-AN10K | FXD | CHIP | 10kΩ | ±0.5% | 1/10W | |
| R114 -115 | RCP-AN100 | FXD | CHIP | 100Ω | ±0.5% | 1/10W | |
| R116 | RCP-AN1K | FXD | CHIP | 1kΩ | ±0.5% | 1/10W | |
| R118 | RAY-CJ10K8 | FXD | RA | 10kΩ | ±5% | 1/16W | |
| R119 | RCP-AN10K | FXD | CHIP | 10kΩ | ±0.5% | 1/10W | |
| R125 -128 | RCP-AN10K | FXD | CHIP | 10kΩ | ±0.5% | 1/10W | |
| R129 | RAY-CJ10K8 | FXD | RA | 10kΩ | ±5% | 1/16W | |
| R130 | RCP-AN10K | FXD | CHIP | 10kΩ | ±0.5% | 1/10W | |
| R131 | RMF-BJ470QFK | FXD | METAL | 470Ω | ±1% | 1/4W | |
| TP1 -5 | JTE-CL001EX02 | | | | | | |
| U1 | SIM-68HC000CPC | CENTRAL PROCESSING UNIT | | | | | |
| U2 | SIA-51953S | RESET SIGNAL GENERATOR | | | | | |
| U3 | SIM-74HC14S | HEX SCHMITT-TRIGGER INVERTERS | | | | | |
| U4 | SIM-74HC05S | HEX INVERTERS WITH OPEN-DRAIN OUTPUTS | | | | | |
| U5 | SIM-74HC133AS | POSITIVE NAND GATES | | | | | |
| U6 | SIM-74HC138S | 3-LINE TO 8-LINE DECODERS | | | | | |
| U7 | SIM-74HC273S | OCTAL D-TYPE FLIP-FLOPS WITH CLEAR | | | | | |
| U8 | SIM-74HC04S | HEX INVERTERS | | | | | |
| U9 | SIM-654146 | PARALLEL-SERIAL CONNECTORS AND DECODER | | | | | |
| U10 -11 | SIM-74HC138S | 3-LINE TO 8-LINE DECODERS | | | | | |
| U12 | SIM-74HC164S | 8-BIT PARALLEL-OUT SERIAL SHIFT REGISTERS | | | | | |
| U13 -15 | SIM-74HC32S | QUAD 2-INPUT POSITIVE-OR GATES | | | | | |

**R3265A/3271A**
**CPU BLOCK**
**BLS-018191 (5 of 8)**

| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| U16 | SiM-74HC74S | DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR | |
| U17 | SIM-74HC125S | QUAD 3-STATE NONINVERTING BUFFER | |
| U18 -19 | SiM-74HC148S | 8-LINE TO 3-LINE PRIORITY ENCODERS | |
| U20 | SIM-74HC244S | OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS | |
| U21 | SIM-74HC32S | QUAD 2-INPUT POSITIVE-OR GATES | |
| U22 | SIM-74HC04S | HEX INVERTERS | |
| U23 | SIM-74HC74S | DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET ANT CLEAR | |
| U24 | SIM-74LS07S | HEX BUFFERS/DRIVERS WITH OPEN COLLECTOR HIGH-VOLTAGE OUTPUTS | |
| U25 | SIM-74HC08S | QUAD RUPLE 2-INPUT POSITIVE-AND GATES | |
| U26 | SIM-74HC00S | QUAD RUPLE 2-INPUT POSITIVE-NAND GATES | |
| U27 | SIM-74HC02S | QUAD RUPLE 2-INPUT POSITIVE-NOR GATES | |
| U28 | SMM-27C4001D15 | 524288 WORD×8-BIT EPROM | |
| U29 | SMM-27C2001D15-1 | 262144 WORD×8-BIT EPROM | |
| U30 | SMM-27C4001D15 | 524288 WORD×8-BIT EPROM | |
| U31 | SMM-27C2001D15-1 | 262144 WORD×8-BIT EPROM | |
| U32 -33 | SMM-628128L7S | 128K WORD×8-BIT STATIC RAM | |
| U34 | SIM-74HC08S | QUAD RUPLE 2-INPUT POSITIVE-AND GATES | |
| U35 | SIM-74HC74S | DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR | |
| U36 | SIM-74HC27S | TRIPLE 3-INPUT POSITIVE-NOR GATES | |
| U37 | SIM-74HC08S | QUAD RUPLE 2-INPUT POSITIVE-AND GATES | |
| U38 | SIM-74HC74S | DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR | |
| U39 | SIM-74HC32S | QUAD RUPLE 2-INPUT POSITIVE-OR GATES | |
| U40 -41 | SMM-58C66*25S-1 | 8K WORD×8-BIT E²PROM | |
| U42 | SMM-8464CS-4 | 8K WORD×8-BIT STATIC RAM | |
| U43 | SIM-61H06B23F-1 | KEY CONTROLLER | |
| U44 | SIM-74HC273S | OCTAL D-TYPE FLIP-FLOP WITH CLEAR | |
| U45 | SIM-74HC4538S | DUAL MONO STABLE MULTI VIBRAT WITH CLEAR | |
| U46 | SIT-74HC74S | DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR | |
| U47 | SIM-74HC244S | OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS | |
| U48 | SIA-1675 | HIGH FREQUENCY WIDE-BAND AMPLIFIER | |
| U49 -50 | SIA-1676 | HIGH FREQUENCY WIDE-BAND AMPLIFIER | |
| U51 | SIM-74HC04S | HEX INVERTERS | |
| U52 | SIM-620410 | TRIPLE CLOCK COUNTERS | |
| U53 | SIM-9914J | GPIB CONTROLLER | |
| U54 | SIT-75ALS162S | GPIB DRIVER | |
| U55 | SIT-75ALS160S | GPIB DRIVER | |
| U56 | SIM-95C60*20KC-1 | GRAPHIC CONTROLLER | |
| U57 -59 | SIT-74F244S | OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS | |
| U60 | SIT-74F175S | QUAD RUPLE D-TYPE FLIP-FLOP WOTH CLEAR | |
| U61 | SIM-74HC161S | SYNCHRONOUS 4-BIT BINARY COUNTERS | |

**R3265A/3271A**
**CPU BLOCK**
**BLS-018191 (6 of 8)**

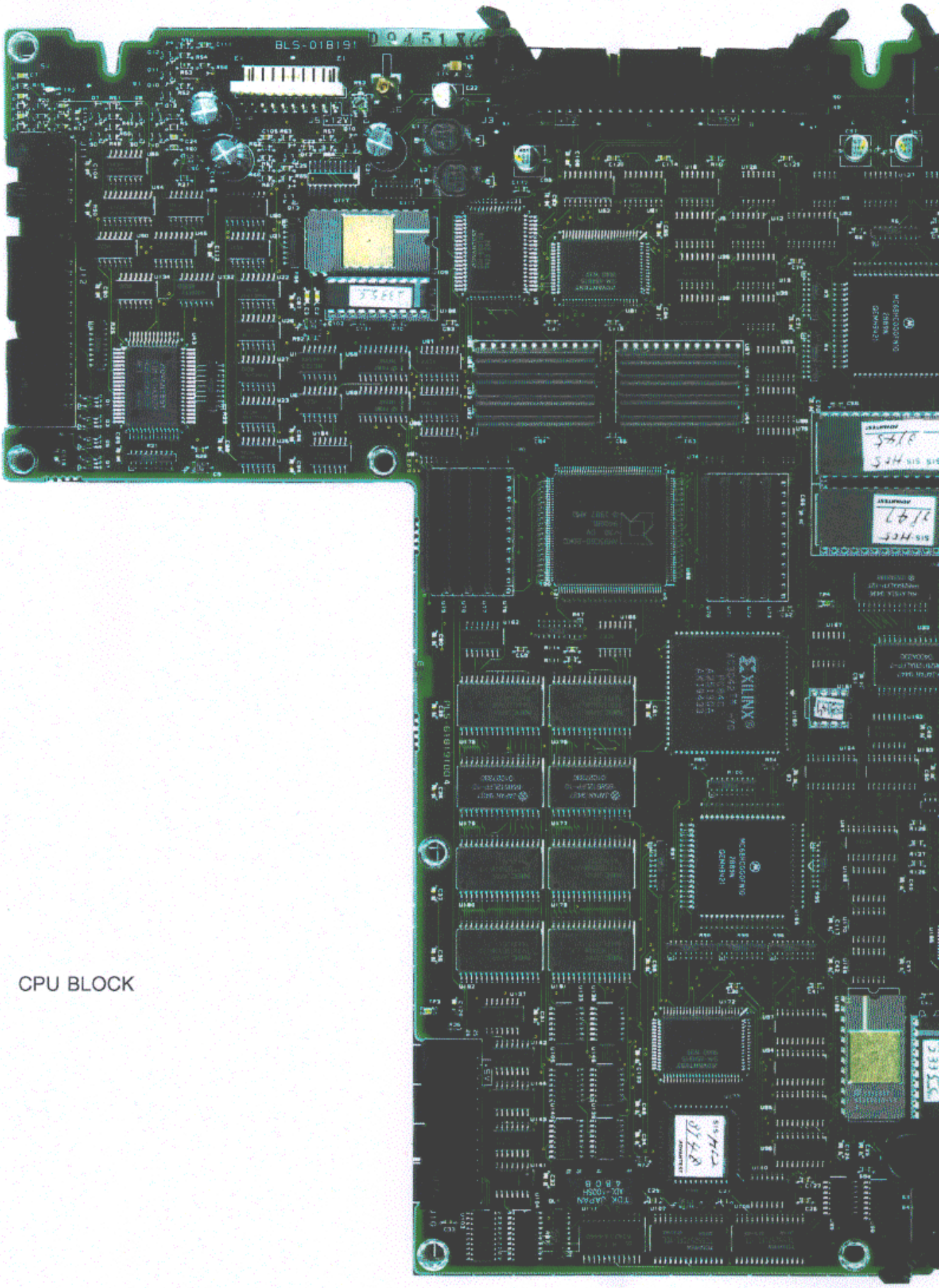
| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| U62 | SIM-74HC374S | OCTAL D-TYPE EDGE-TRIGGERED FLIP-FLOP | |
| U63 | SIM-74HC20S | DUAL 4-INPUT POSITIVE-NAND GATES | |
| U64 -67 | SMM-4461A | 64K WORD×4-BIT VIDEO RAM | |
| U68 -69 | SIM-74HC166S | 8-BIT SHIFT REGISTER | |
| U70 -73 | SMM-4461S | 64K WORD×4-BIT VIDEO RAM | |
| U74 -75 | SIM-74HC166S | 8-BIT SHIFT REGISTER | |
| U76 -79 | SMM-4461A | 64K WORD×4-BIT VIDEO RAM | |
| U80 -81 | SIM-74HC166S | 8-BIT SHIFT REGISTER | |
| U82 -85 | SMM-4461A | 64K WORD×4-BIT VIDEO RAM | |
| U86 -87 | SIM-74HC166S | 8-BIT SHIFT REGISTER | |
| U88 -89 | SIM-74HC08S | QUAD RUPLE 2-INPUT POSITIVE-AND GATES | |
| U90 | SIM-74HC32S | QUAD RUPLE 2-INPUT POSITIVE-OR GATES | |
| U91 | SIM-654815 | GATE ARRAY | |
| U92 | SIM-74HC244S | OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS | |
| U93 | SIM-74HC32S | QUAD RUPLE 2-INPUT POSITIVE-OR GATES | |
| U94 -97 | SIM-74HC245S | OCTAL BUS TRANCEIVERS WITH 3-STATE OUTPUTS | |
| U98 | SIM-74HC367S | HEX BUS DRIVERS | |
| U99 | SIM-74HC08S | QUAD RUPLE 2-INPUT POSITIVE-AND GATES | |
| U100 | SIM-74HC245S | OCTAL BUS TRANSCEIVERS WITH 3-STATE OUTPUTS | |
| U101 | SIM-74HC244S | OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS | |
| U102 | SIM-74HC367S | HEX BUS DRIVERS | |
| U103 | SIM-74HC245S | OCTAL BUS TRANSCEIVERS WITH 3-STATE OUTPUTS | |
| U104 | SIM-74HC541S | OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS | |
| U105 | SIT-74F74S | DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR | |
| U106 -107 | SMM-55257*10S-1 | 64K WORD×8-BIT LOW POWER STATIC RAM | |
| U108 | DMY-000914-1 | | |
| U109 | SIM-NS32081D | FLOWTING POINTS UNIT | |
| U110 | SIT-74LS03S | QUAD RUPLE 2-INPUT POSITIVE-NAND GATES WITH OPEN-COLLECTOR OUTPUTS | |
| U111 | SIM-62423AS | REAL TIME CLOCK | |
| U112 | SIM-74HC32S | QUAD RUPLE 2-INPUT POSITIVE-OR GATES | |
| U114 | SIA-LM35DZ | TEMPARATURE SENSOR | |
| U115 -116 | SMM-55257*10S-1 | 64K WORD×8-BIT LOW POWER STATIC RAM | |
| U118 | SIM-38802*220S | KEY BOARD CONTROLLER | |
| U124 | SIM-606820 | GATE ARRAY | |
| U126 | SIM-74HC32S | QUAD RUPPLE 2-INPUT POSITIVE-OR GATES | |
| U127 | SIM-74HC04S | HEX INVERTERS | |
| U128 -129 | SIM-74HC245S | OCTAL BUS TRANSCEIVERS WITH 3-STATE OUTPUTS | |
| U130 -131 | SIM-74HC244S | OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS | |
| U132 | SIM-74HC393S | DUAL 4-BIT BINARY COUNTERS | |
| U133 | SIM-74HC74S | DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR | |

**R3265A/3271A**
**CPU BLOCK**
**BLS-018191 (7 of 8)**

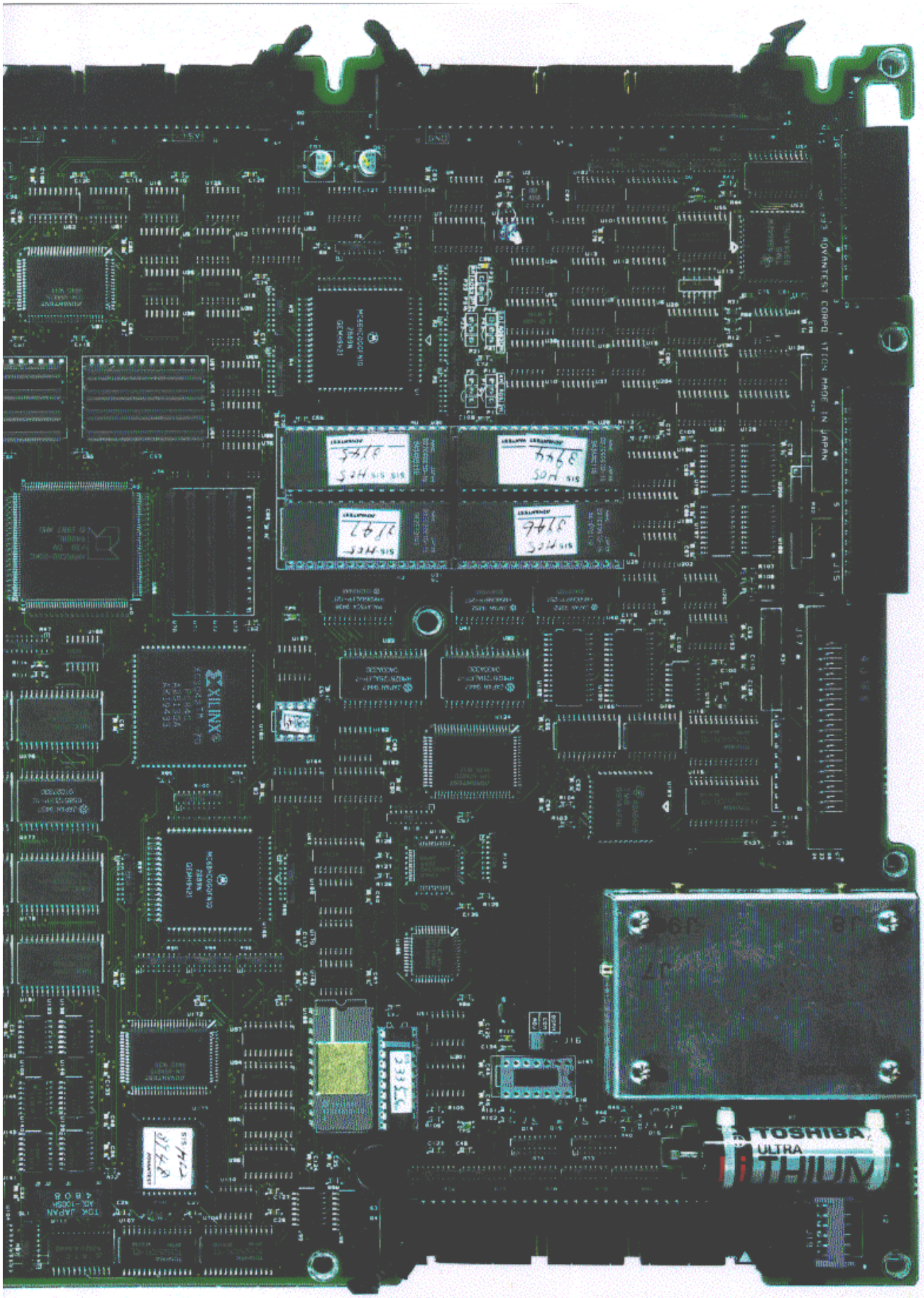
| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| U134 | SIM-74HC86S | QUAD RUPLE 2-INPUT EXCLUSIVE-OR-GATES | |
| U137 | SIT-74F04S | HEX INVERTERS | |
| U138 | SIT-74LS27S | TRIPLE 3-INPUT POSITIVE-NOR GATES | |
| U139 | SIT-74LS390S | DUAL DECADE COUNTERS | |
| U140 | SIT-74LS375S | 4-BIT BISTABLE LATCHES | |
| U141 | SIT-74F10S | TRIPLE 3-INPUT POSITIVE NAND GATES | |
| U142 | SIM-74HC04S | HEX INVERTERS | |
| U143 | SIM-74HC74S | DUAL D-TYPE POSITIVE EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR | |
| U144 | SIM-74HC08S | QUAD RUPLE 2-INPUT POSITIVE-AND GATES | |
| U146 | SIM-74HC74S | DUAL D-TYPE POSITIVE EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR | |
| U147 | DMY-000905-1 | | |
| U148 | SIM-74HC74S | DUAL D-TYPE POSITIVE EDGE TRIGGER FLIP-FLOP WITH RESET AND CLEAR | |
| U152 | SIM-74HC125S | QUAD 3-STATE NONINVERTING BUFFER | |
| U153 | SIA-1676 | HIGH FREQUENCY WIDE-BAND AMPLIFIER | |
| U154 | SIM-74HC14S | HEX SCHMITT-TRIGGER INVERTERS | |
| U160 | SIM-3042"70CS | LOGIC CELL ARRAY | |
| U161 | SMM-1736DPD8C | PROM | |
| U162 | SIM-74HC04S | HEX INVERTERS | |
| U163 -164 | SIM-74HC244S | OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS | |
| U165 | SIM-74HC107S | DUAL J-K FLIP-FLOP | |
| U166 | SIM-68HC000CPC | CENTRAL PROCESSING UNIT | |
| U167 | SIM-74HC04S | HEX INVERTERS | |
| U169 | SIM-74HC74S | DUAL D-TYPE POSITIVE EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR | |
| U170 | SIM-74HC32S | QUAD RUPLE 2-INPUT POSITIVE-OR GATES | |
| U172 | SIM-654815 | GATE ARRAY | |
| U173 | SMM-4096CC"12S | 256K WORD×16-BIT EPROM | |
| U175 -176 | SMM-628128L7S | 128K WORD×8-BIT STATIC RAM | |
| U177 -178 | SMM-658512L10S | 256K WORD×8-BIT P-STATIC RAM | |
| U179 -182 | SMM-628128L7S | 128K WORD×8-BIT STATIC RAM | |
| U183 | SIM-9914J | GPIB CONTROLLER | |
| U184 | SIT-75ALS160S | GPIB DRIVER | |
| U185 | SIT-75ALS162S | GPIB DRIVER | |
| U186 | SIM-8254S-2 | CONTROLLER | |
| U187 | DMY-000914-1 | | |
| U188 | SIM-NS32081D | FLOATING PROCESSING UNIT | |
| U189 -190 | SIM-71051GU10S | SERIAL PARALLEL CONTROLLER | |
| U191 | SIT-145406S | DRIVER | |
| U193 | SIM-74HC157S | DATA SELECTOR | |
| U194 | SIM-74HC32S | QUAD RUPLE 2-INPUT POSITIVE-OR GATES | |
| U195 -196 | SIM-74HC574S | OCTAL D-TYPE FLIP-FLOP WITH CLEAR | |

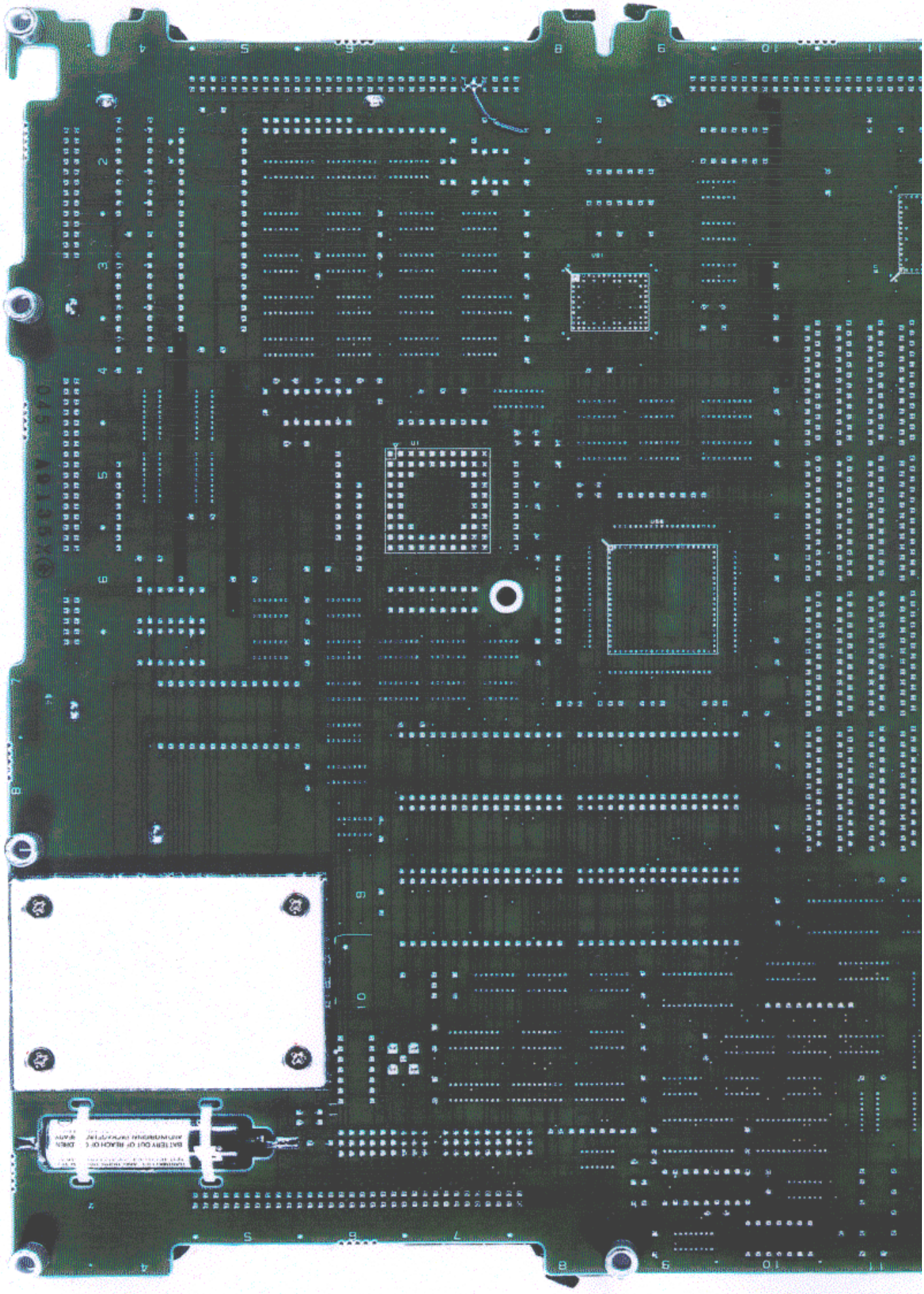
**R3265A/3271A**
**CPU BLOCK**
**BLS-018191 (8 of 8)**

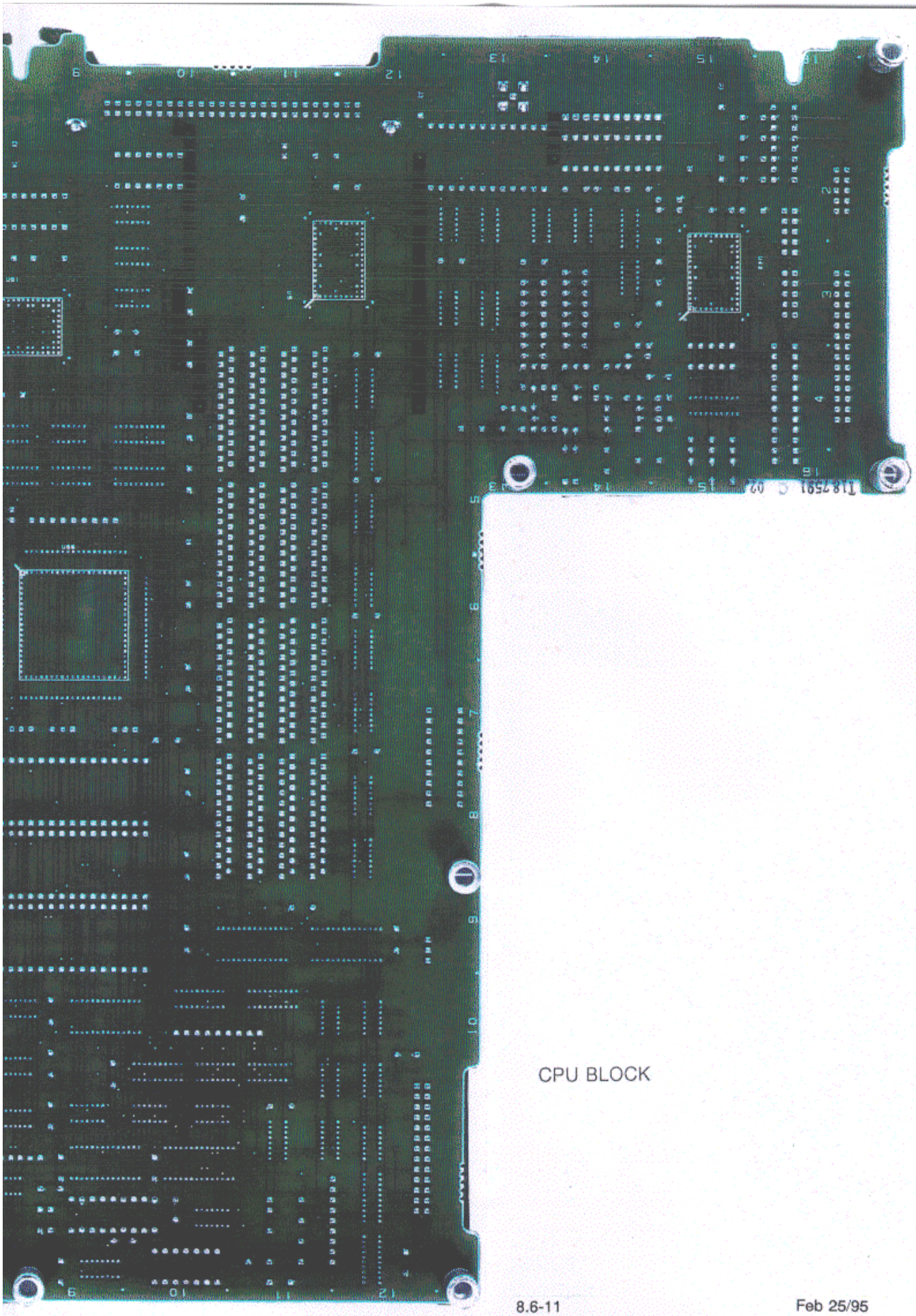
| Parts No. | Advantest Stock No. | Description | Note |
|---|---|---|---|
| U197 -200 | SIT-74LS244S | OCTAL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS | |
| U201 | SIM-74HC139S | DUAL 1-OF-4 DECORDER | |
| U202 | SIM-74HC04S | HEX INVERTERS | |
| U203 | SIM-74HC74S | DUAL D-TYPE POSITIVE EDGE TRIGGERED FLIP-FLOP WITH RESET AND CLEAR | |
| U204 | SIM-74HC32S | QUAD RUPLE 2-INPUT POSITIVE-OR GATES | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |




CPU BLOCK


ADVANTEST CORPO. ITION MADE IN JAPAN
XILINX
TOSHIBA
ULTRA
THIUM





CPU BLOCK

# 1. DRAWING DIRECTORY

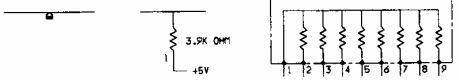
| NAME | PAGE | DRG. NO. |
|---|---|---|
| SIGNAL LIST | | CS3-822176ØDF |
| PARTS LIST | | CP3-822176ØDF |
| CIRCUIT DRAWING | 1 | CR3-8221778ØF |
| | 2 | CR3-8221778ØA |
| | 3 | CR3-8221778ØA |
| | 4 | CR3-8221778ØØ |
| | 5 | CR3-8221778ØA |
| | 6 | CR3-8221778ØA |
| | 7 | CR3-8221778ØA |
| | 8 | CR3-8221778ØA |
| | 9 | CR3-8221778ØA |
| | 10 | CR3-8221778ØA |
| | 11 | CR3-8221778ØA |
| | 12 | CR3-8221778ØA |
| | 13 | CR3-8221778ØA |
| | 14 | CR3-8221778ØA |
| | 15 | CR3-8221778ØA |
| | 16 | CR3-8221778ØA |
| | 17 | CR3-8221778ØA |
| | 18 | CR3-8221778ØA |
| | 19 | CR3-8221778ØA |
| | 20 | CR3-8221778ØA |
| | 21 | CR3-8221778ØA |
| | 22 | CR3-8221778ØC |
| | 23 | CR3-8221778ØA |
| | 24 | CR3-8221778ØA |
| | 25 | CR3-8221778ØC |
| | 26 | CR3-8221778ØA |
| | 27 | CR3-8221778ØA |
| | 28 | CR3-8221778ØA |
| | 29 | CR3-8221778ØA |
| | 30 | CR3-8221778ØA |
| | 31 | CR3-8221778ØA |
| | 32 | CR3-8221778ØA |
| | 33 | CR3-8221778ØA |
| | 34 | CR3-8221778ØA |
| | 35 | CR3-8221778ØA |
| | 36 | CR3-8221778ØA |
| | 37 | CR3-8221778ØA |
| | 38 | CR3-8221778ØA |
| | 39 | CR3-8221778ØA |
| | 40 | CR3-8221778ØA |
| | 41 | CR3-8221778ØA |
| | 42 | CR3-8221778ØA |
| | 43 | CR3-8221778ØE |
| | 44 | CR3-8221778ØA |
| | 45 | CR3-8221778ØA |
| | 46 | CR3-8221778ØF |
| | 47 | CR3-8221778ØØ |
| | 48 | CR3-8221778ØF |

# 2. DIAGRAMS ILLUSTRATION

## 2-1 SYMBOLS REFERENCE DESIGNATORS

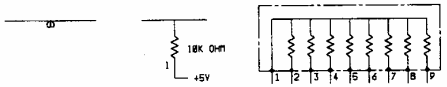
### 1) RESISTOR

(1) RAY-CJ3R9K8



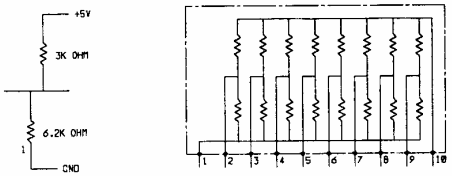

SYMBOL CIRCUIT PART

(2) RAY-CJ10K8



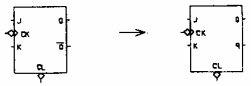

SYMBOL CIRCUIT PART

(3) RAY-BGX0015

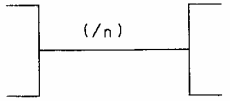



SYMBOL CIRCUIT PART

### 2) IC PIN NAME (PIN-NAME OF NEGATIVE LOGIC ARE DISPLAYED BY SMALL LETTER)

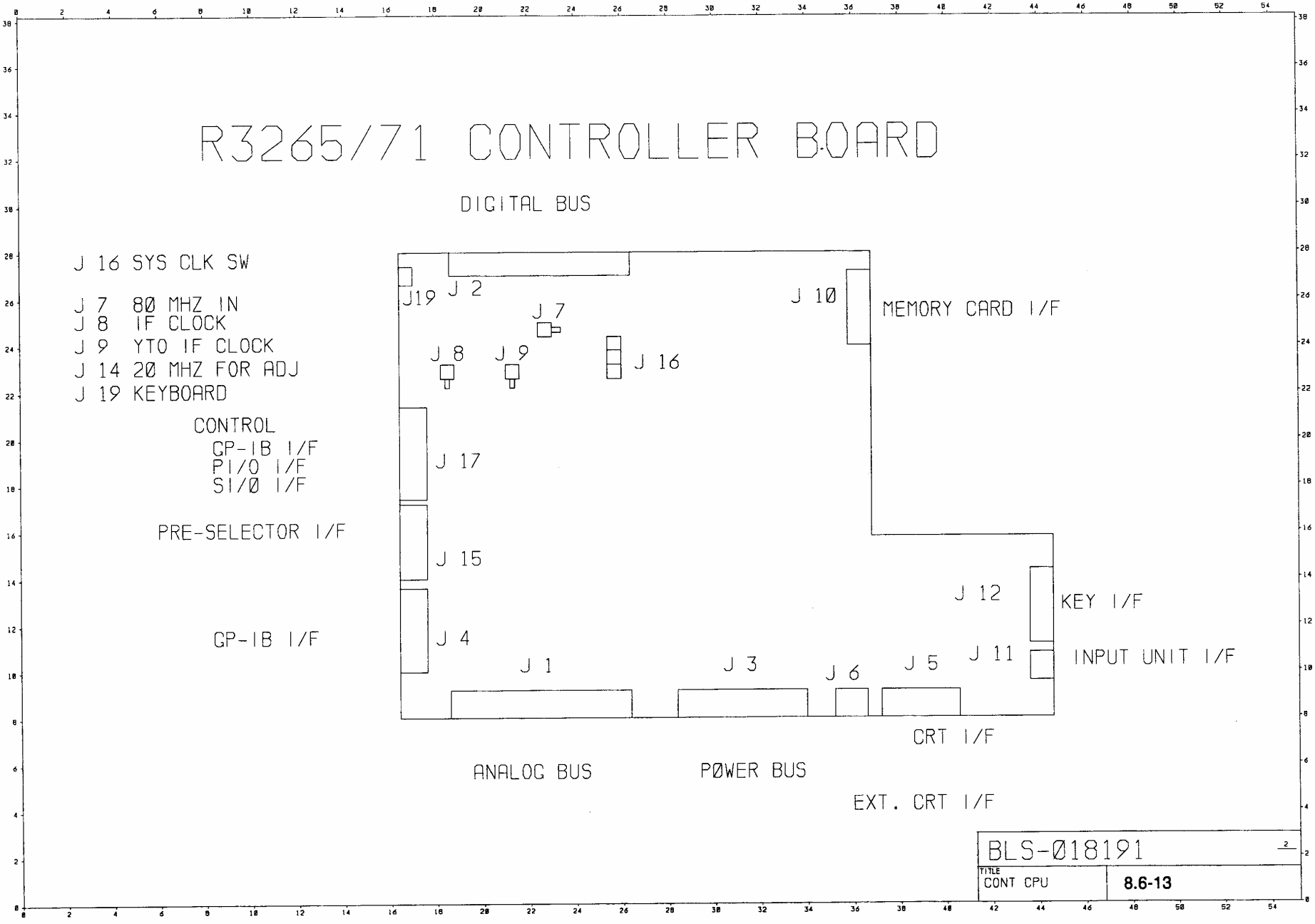



### 3) COLLECTED SIGNALS (NUMBER OF SIGNALS)

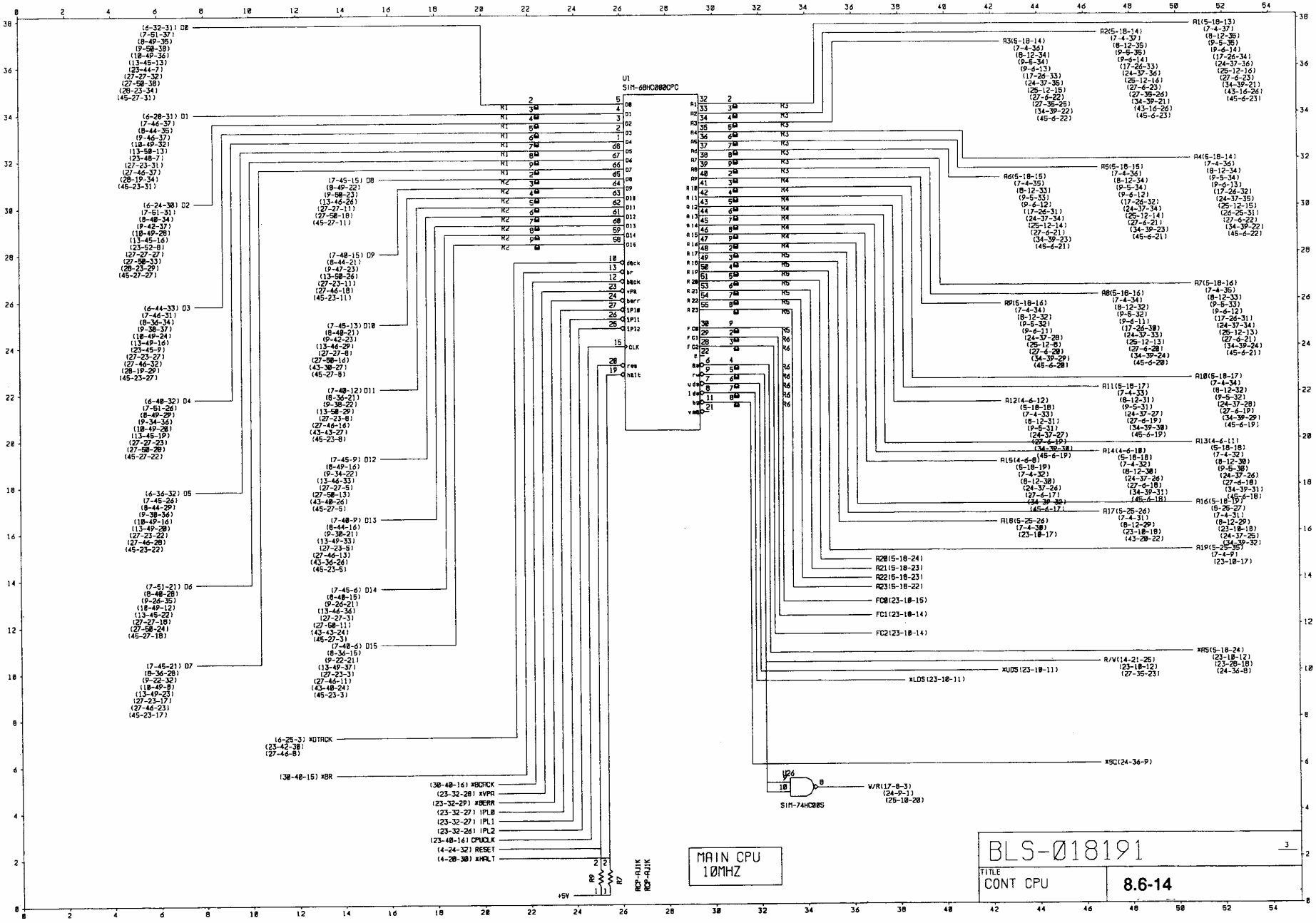


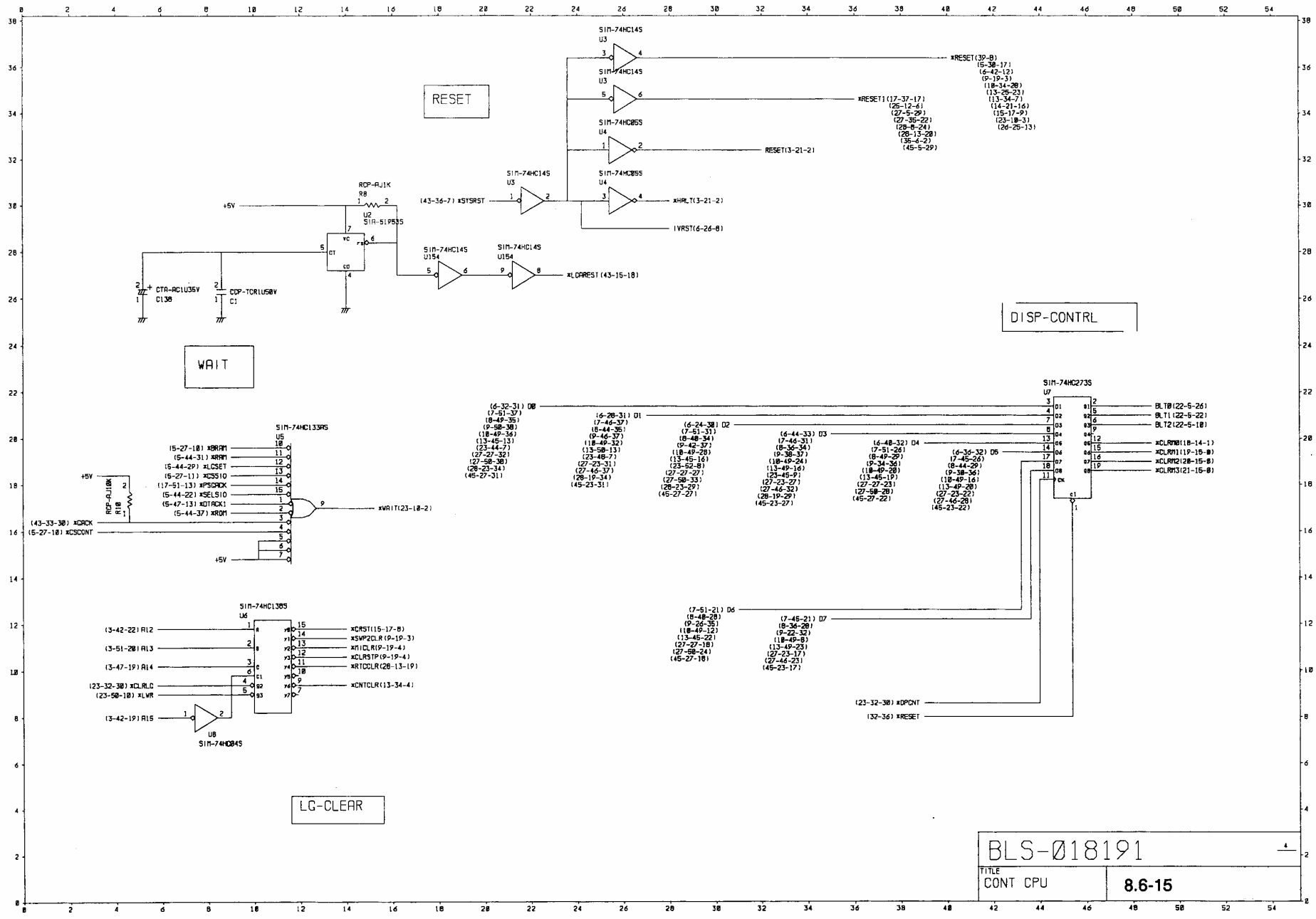

| | |
|---|---|
| BLS-Ø18191 | 1 |
| TITLE CONT CPU | 8.6-12 |

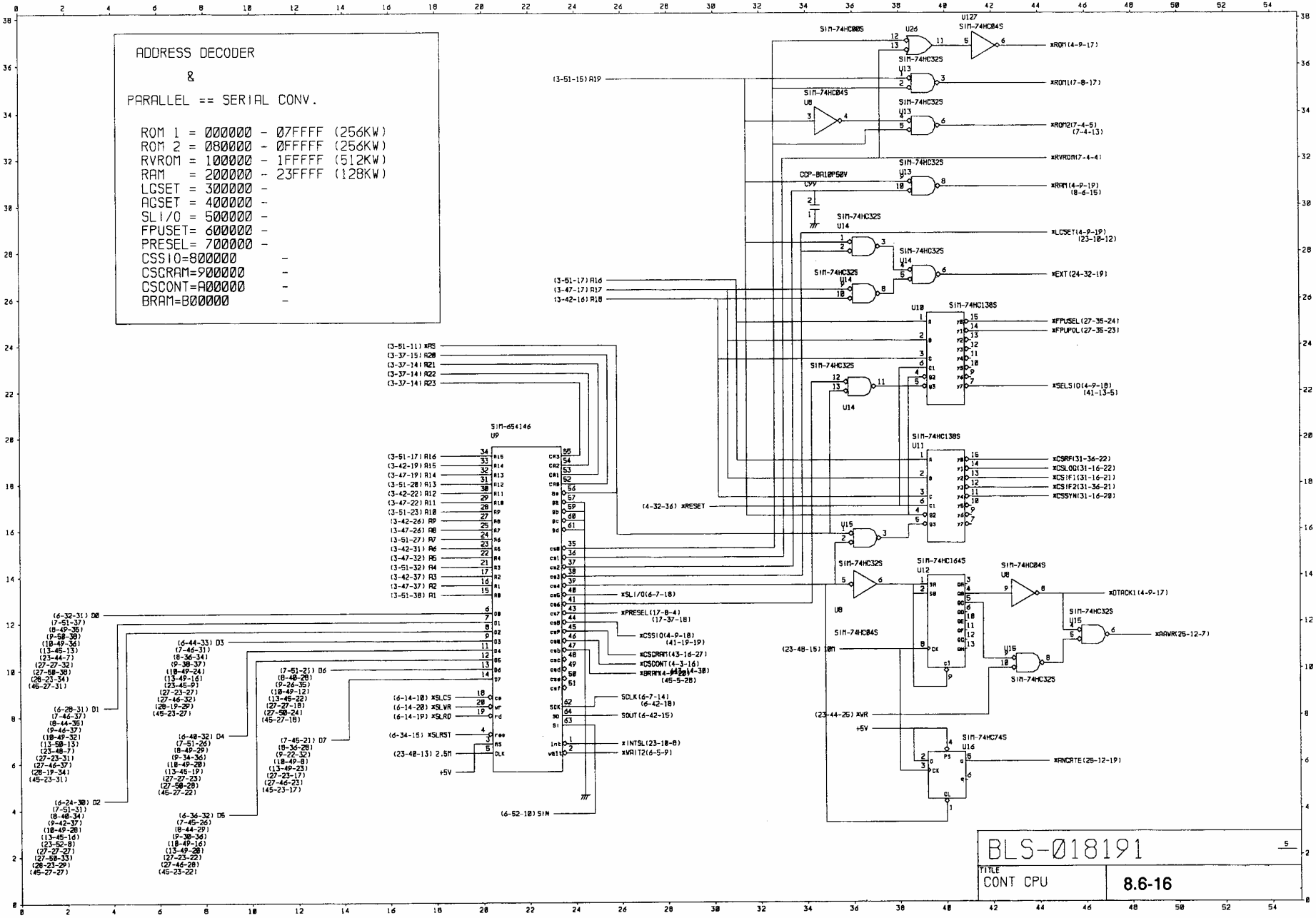
# R3265/71 CONTROLLER BOARD

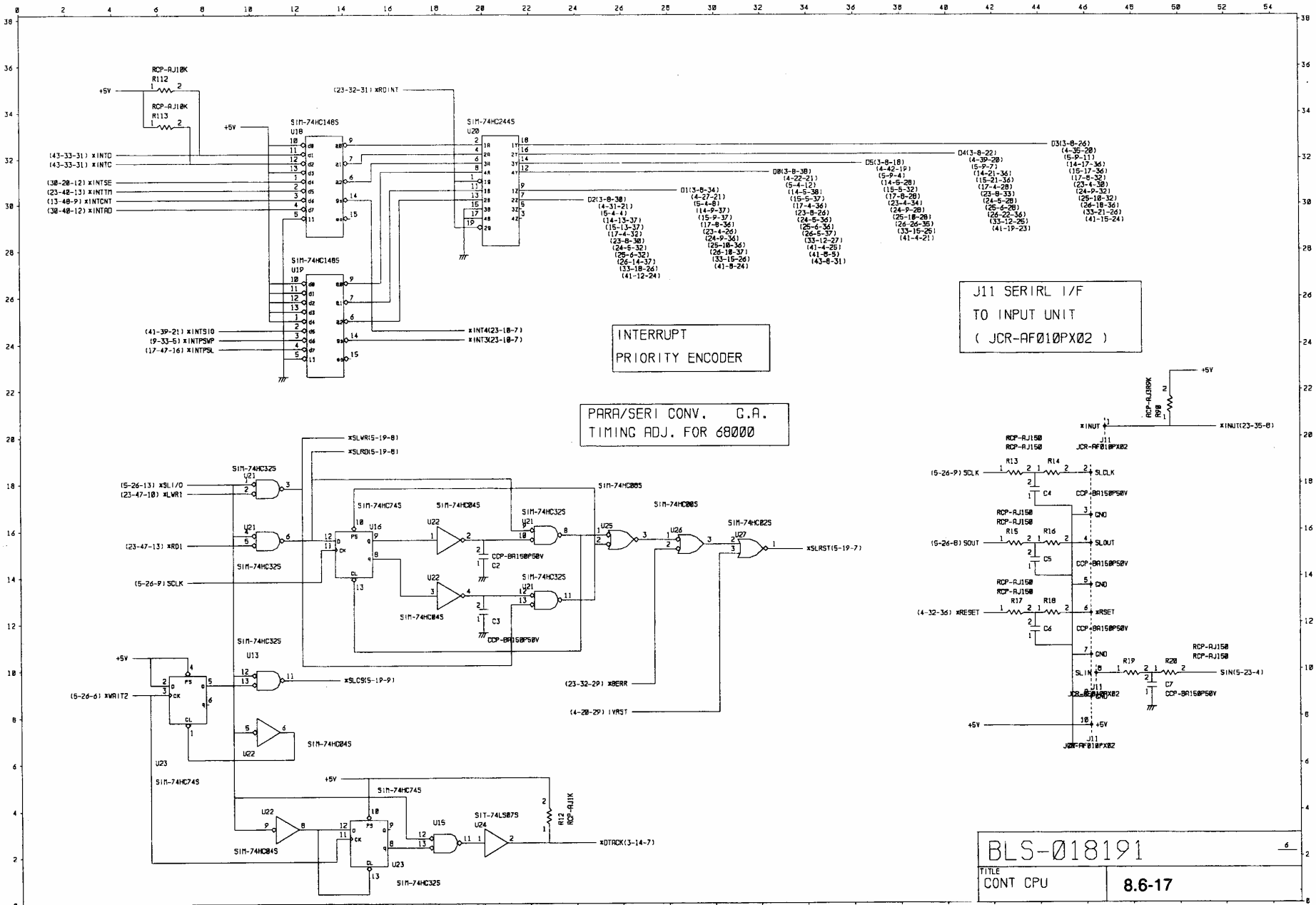


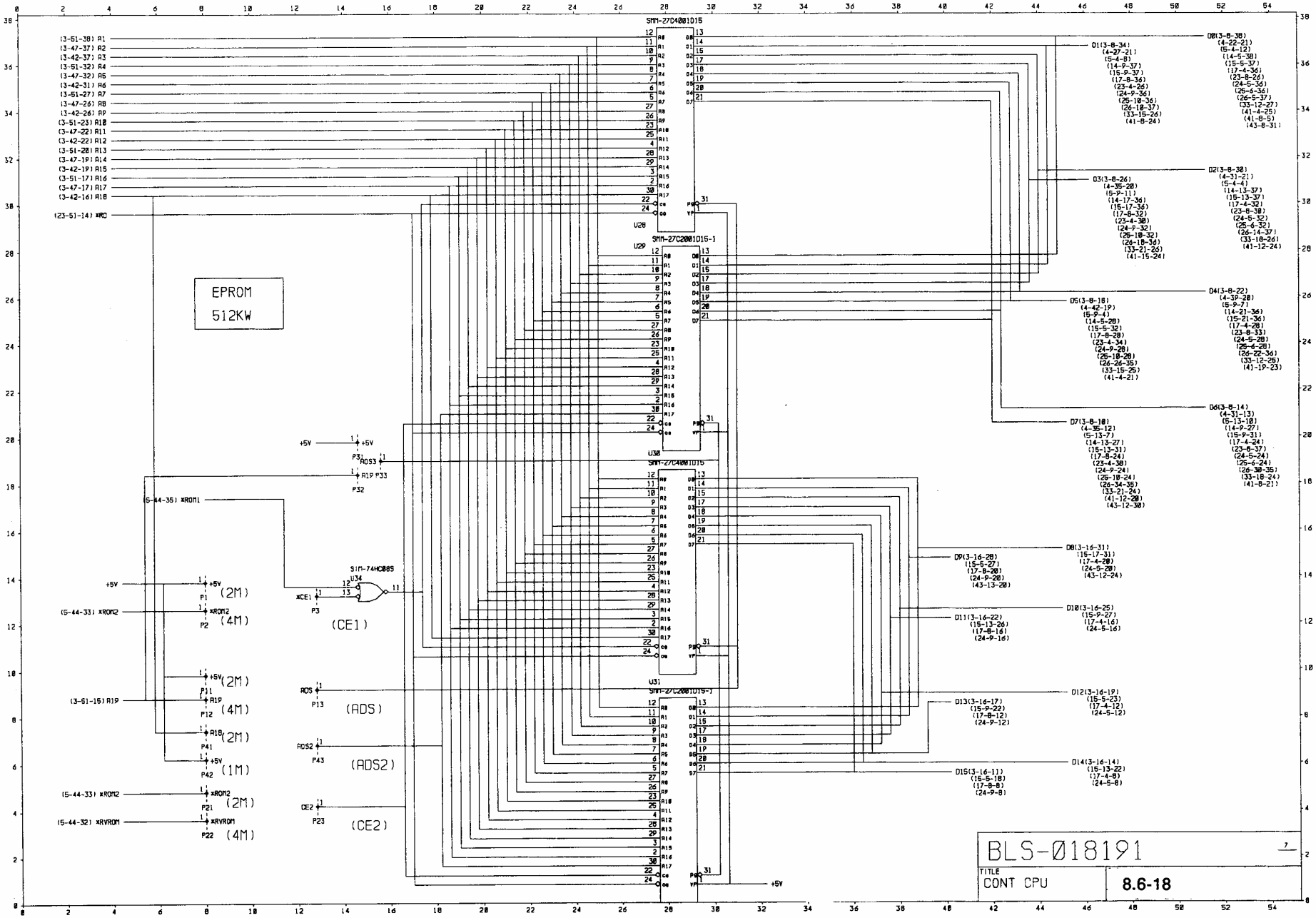

| | |
|---|---|
| BLS-018191 | 2 |
| TITLE<br>CONT CPU | 8.6-13 |

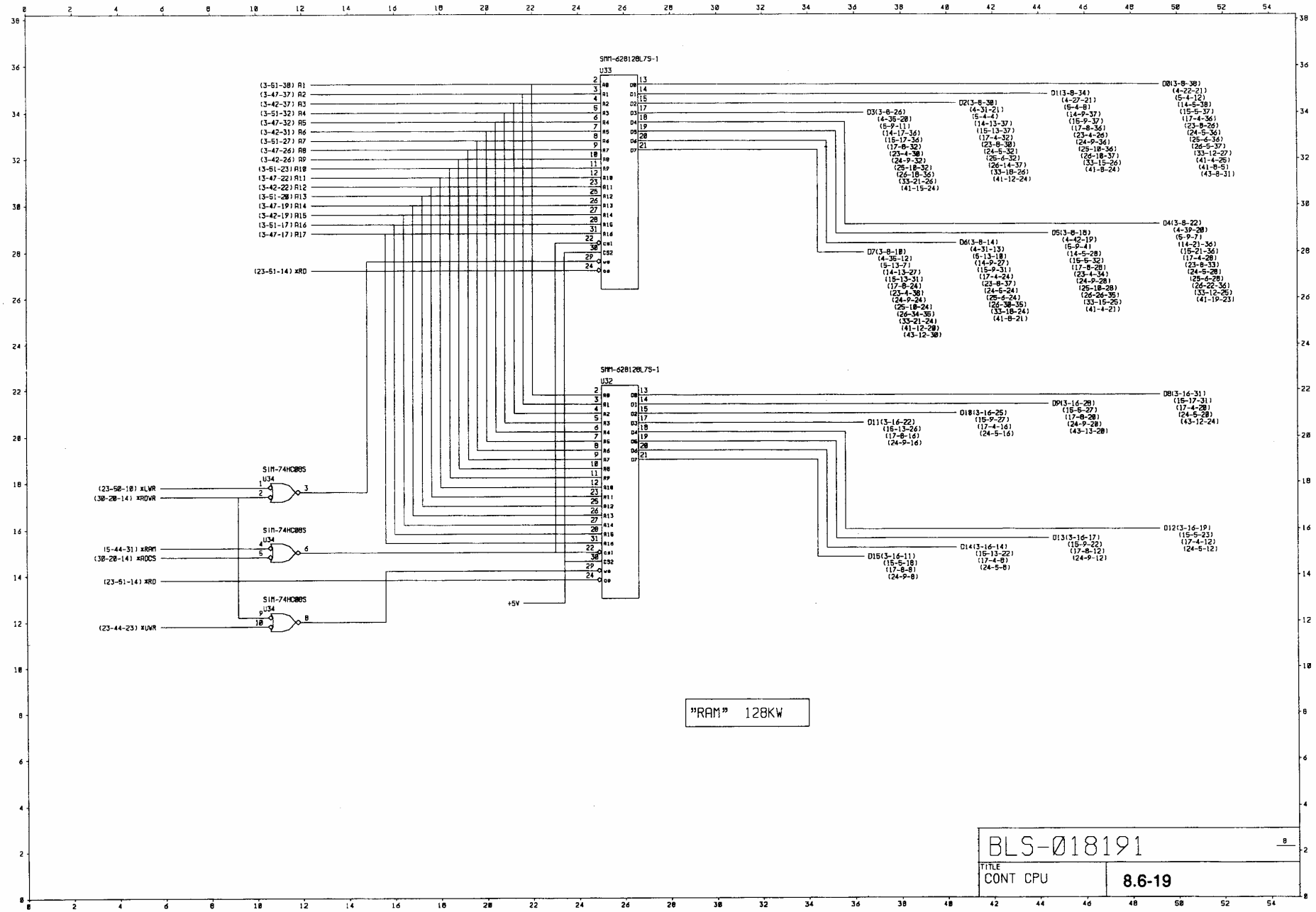

U1
SIM-68HC000CPC
MAIN CPU
10MHZ
SIM-74HC00S
+5V
BLS-018191
3
TITLE
CONT CPU
8.6-14


RESET
WAIT
LG-CLEAR
DISP-CONTRL
SIM-74HC14S
SIM-74HC08S
SIM-74HC133RS
SIM-74HC138S
SIM-74HC273S
SIM-74HC04S
RCP-AJ1K
CTA-RC1U35V
CDP-TCR1U50V
SIA-51P535
xRESET(39-8)
xRESET1(17-37-17)
RESET(3-21-2)
xHRLT(3-21-2)
!VRST(6-26-8)
xLCARREST(43-15-18)
xWAIT(23-18-2)
BLT0(22-5-26)
BLT1(22-5-22)
BLT2(22-5-18)
xCLRM0(18-14-1)
xCLRM1(19-15-8)
xCLRM2(20-15-8)
xCLRM3(21-15-8)
xCRST(15-17-8)
xSWP2CLR(9-19-3)
xM1CLR(9-19-4)
xCLRSTP(9-19-4)
xRTCCLR(28-13-19)
xCNTCLR(13-34-4)
BLS-018191
CONT CPU
8.6-15


ADDRESS DECODER
&
PARALLEL == SERIAL CONV.
ROM 1 = 000000 - 07FFFF (256KW)
ROM 2 = 080000 - 0FFFFF (256KW)
RVROM = 100000 - 1FFFFF (512KW)
RAM = 200000 - 23FFFF (128KW)
LCSET = 300000 -
ACSET = 400000 -
SLI/O = 500000 -
FPUSET= 600000 -
PRESEL= 700000 -
CSSIO=800000 -
CSCRAM=900000 -
CSCONT=A00000 -
BRAM=B00000 -
SIM-74HC00S
SIM-74HC04S
SIM-74HC32S
SIM-74HC138S
SIM-74HC164S
SIM-74HC74S
SIM-654146
COP-BA10P50V
xROM1(4-9-17)
xROM1(7-8-17)
xROM2(7-4-5) (7-4-13)
xRVROM(7-4-4)
xRAM(4-9-19) (8-6-15)
xLCSET(4-9-19) (23-10-12)
xEXT(24-32-19)
xFPUSEL(27-35-24)
xFPUPOL(27-35-23)
xSELSIO(4-9-18) (41-13-5)
xCSRF(31-36-22)
xCSLOG(31-16-22)
xCSIF1(31-16-21)
xCSIF2(31-36-21)
xCSSYN(31-16-20)
xDTACK1(4-9-17)
xRAWR(25-12-7)
xRNGRTE(25-12-19)
xSLI/O(6-7-18)
xPRESEL(17-8-4) (17-37-18)
xCSSIO(4-9-18) (41-19-19)
xCSCRAM(43-16-27)
xCSCONT(4-3-16)
xBRAM(4-9-20) (45-5-28)
SCLK(6-7-14) (6-42-18)
SOUT(6-42-15)
xINTSL(23-18-8)
xWRITE(6-5-9)
BLS-018191
5
TITLE
CONT CPU
8.6-16


INTERRUPT
PRIORITY ENCODER
PARA/SERI CONV. C.A.
TIMING ADJ. FOR 68000
J11 SERIRL I/F
TO INPUT UNIT
( JCR-AF010PX02 )
BLS-018191
TITLE
CONT CPU
8.6-17


EPROM
512KW
SMM-27C4001D15
SMM-27C2001D15-1
SIM-74HC88S
U28
U29
U30
U31
U34
(2M)
(4M)
(1M)
(CE1)
(ADS)
(ADS2)
(CE2)
BLS-Ø18191
TITLE
CONT CPU
8.6-18


SMM-628128L7S-1
U33
SMM-628128L7S-1
U32
SIM-74HC08S
U34
SIM-74HC08S
U34
SIM-74HC08S
U34
(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4
(3-47-32) A5
(3-42-31) A6
(3-51-27) A7
(3-47-26) A8
(3-42-26) A9
(3-51-23) A10
(3-47-22) A11
(3-42-22) A12
(3-51-20) A13
(3-47-19) A14
(3-42-19) A15
(3-51-17) A16
(3-47-17) A17
(23-51-14) xRD
(23-50-10) xLWR
(30-20-14) xRDWR
(15-44-31) xRAM
(30-20-14) xRDCS
(23-51-14) xRD
(23-44-23) xUWR
+5V
D0(3-8-38)
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(5-4-12)
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D15(3-16-11)
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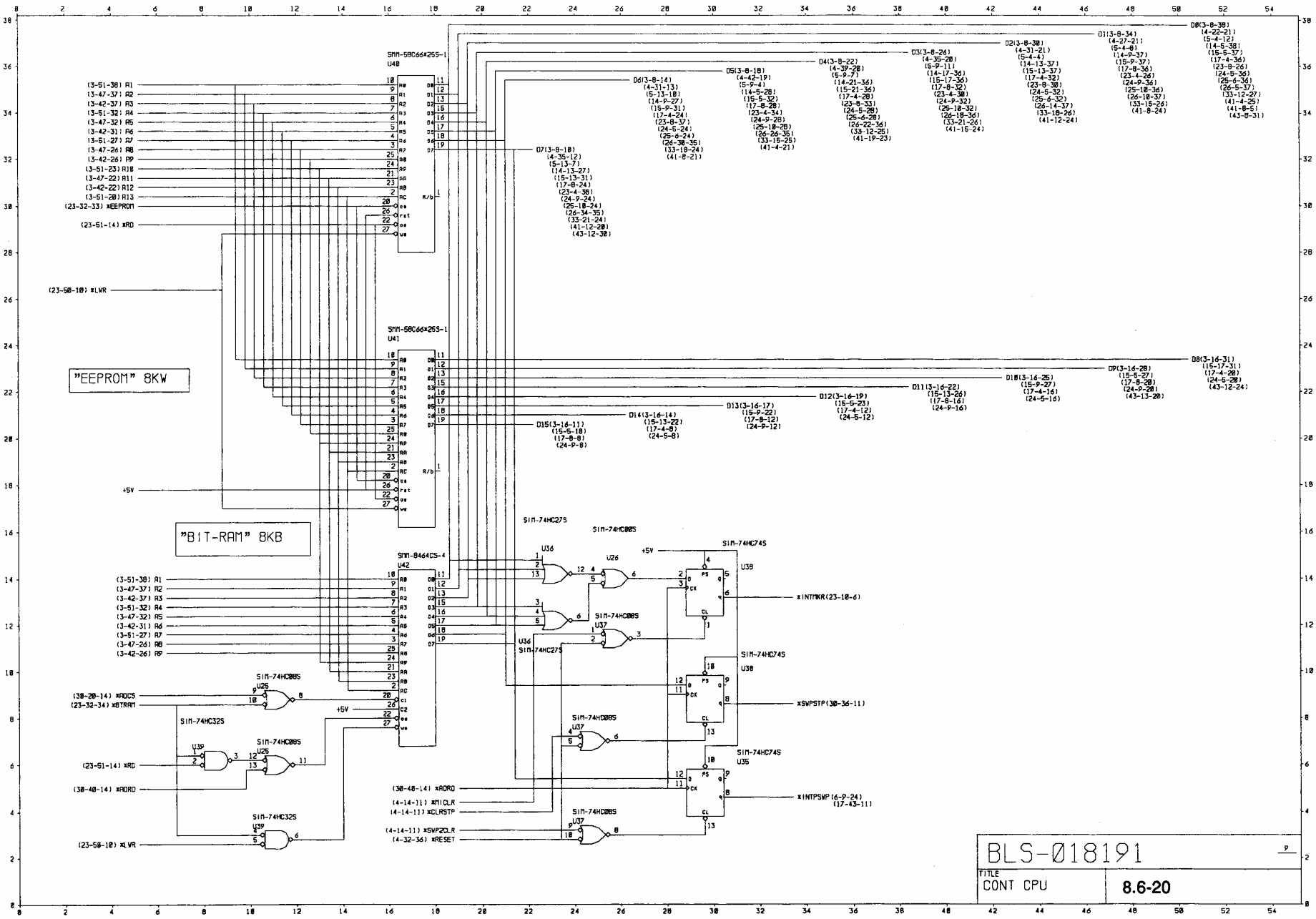
"RAM" 128KW
BLS-018191
B
TITLE
CONT CPU
8.6-19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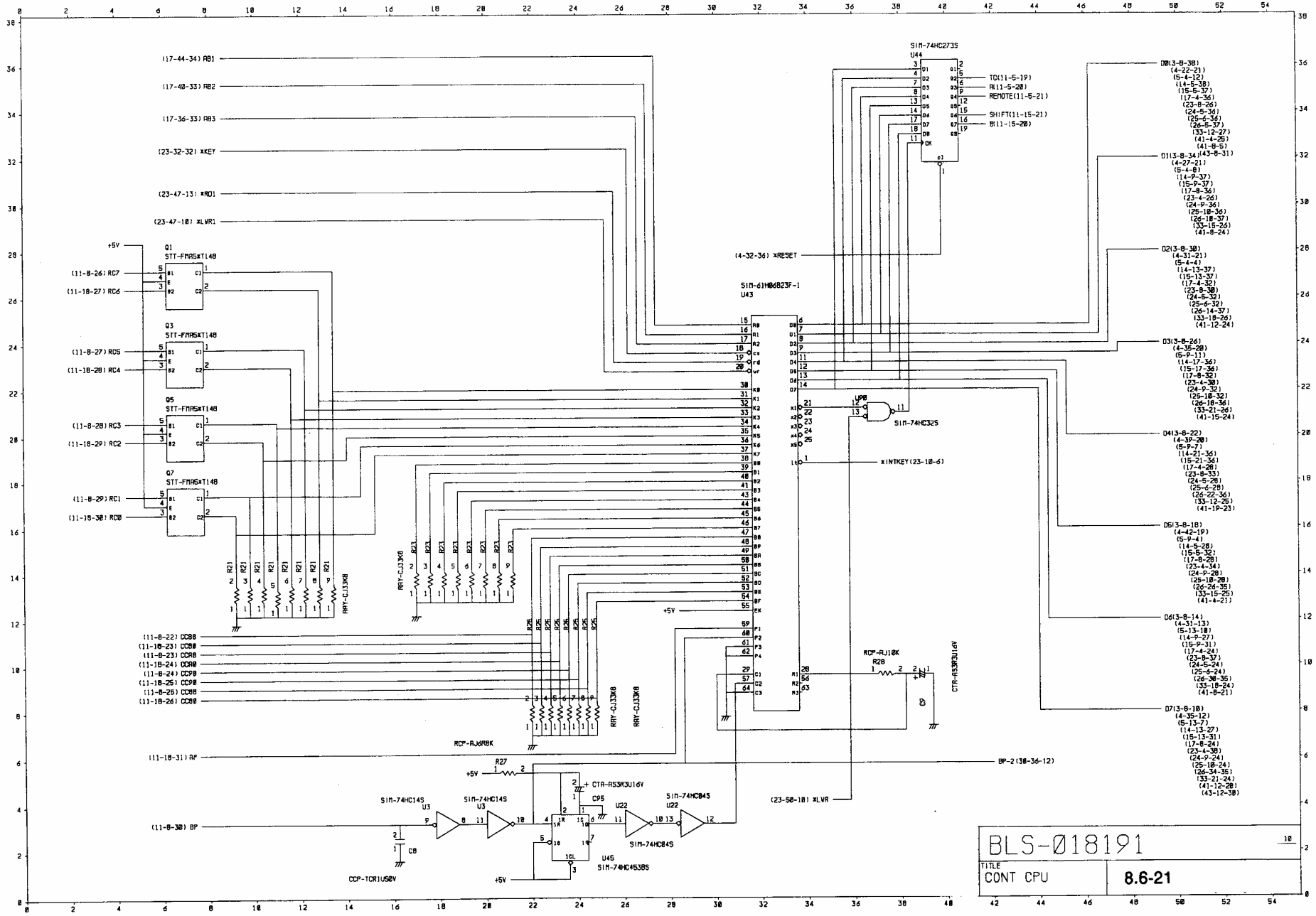
U41
SMM-8464CS-4
U42
SIM-74HC27S
SIM-74HC00S
SIM-74HC74S
SIM-74HC08S
SIM-74HC32S
U36
U37
U38
U39
U25
U26
+5V
(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4
(3-47-32) A5
(3-42-31) A6
(3-51-27) A7
(3-47-26) A8
(3-42-26) A9
(3-51-23) A10
(3-47-22) A11
(3-42-22) A12
(3-51-20) A13
(23-32-33) xEEPROM
(23-51-14) xRD
(23-50-10) xLWR
(38-20-14) xROCS
(23-32-34) xBTRAM
(30-40-14) xRORD
(4-14-11) xMICLR
(4-14-11) xCLRSTP
(4-14-11) xSWP2CLR
(4-32-36) xRESET
xINTMKR(23-10-6)
xSWPSTP(30-36-11)
xINTPSWP(6-9-24) (17-43-11)
D0(3-8-38) (4-22-21) (5-4-12) (14-5-38) (15-5-37) (17-4-36) (23-9-26) (24-5-36) (25-6-36) (26-5-37) (33-12-27) (41-4-25) (41-8-5) (43-8-31)
D1(3-8-34) (4-27-21) (5-4-48) (14-9-37) (15-9-37) (17-8-36) (23-4-26) (24-9-36) (25-18-36) (26-18-37) (33-15-26) (41-8-24)
D2(3-8-30) (4-31-21) (5-4-6) (14-13-37) (15-13-37) (17-4-32) (23-8-30) (24-5-32) (25-6-32) (26-14-37) (33-18-26) (41-12-24)
D3(3-8-26) (4-35-28) (5-9-11) (14-17-36) (15-17-36) (17-8-32) (23-4-30) (24-9-32) (25-18-32) (26-18-36) (33-21-26) (41-15-24)
D4(3-8-22) (4-39-28) (5-9-7) (14-21-36) (15-21-36) (17-4-28) (23-8-33) (24-5-28) (25-4-28) (26-22-36) (33-12-25) (41-19-23)
D5(3-8-18) (4-42-19) (5-9-4) (14-5-28) (15-5-32) (17-8-28) (23-4-34) (24-9-28) (25-18-28) (26-26-36) (33-15-25) (41-4-21)
D6(3-8-14) (4-31-13) (5-13-10) (14-9-27) (15-9-31) (17-4-24) (23-8-37) (24-5-24) (25-6-24) (26-38-35) (33-18-24) (41-8-21)
D7(3-8-10) (4-35-12) (5-13-7) (14-13-27) (15-13-31) (17-8-24) (23-4-38) (24-9-24) (25-18-24) (26-34-35) (33-21-24) (41-12-28) (43-12-38)
D8(3-16-31) (15-17-31) (17-4-28) (24-5-28) (43-12-24)
D9(3-16-28) (15-5-27) (17-8-28) (24-9-28) (43-13-28)
D10(3-16-25) (15-9-27) (17-4-16) (24-5-16)
D11(3-16-22) (15-13-26) (17-8-16) (24-9-16)
D12(3-16-19) (16-5-23) (17-4-12) (24-5-12)
D13(3-16-17) (15-9-22) (17-8-12) (24-9-12)
D14(3-16-14) (15-13-22) (17-4-8) (24-5-8)
D15(3-16-11) (15-5-10) (17-8-8) (24-9-8)
BLS-018191
TITLE
CONT CPU
8.6-20


(17-44-34) RB1
(17-40-33) RB2
(17-36-33) RB3
(23-32-32) xKEY
(23-47-13) xRD1
(23-47-18) xLVR1
(4-32-36) xRESET
SIM-74HC273S
U44
TC(11-5-19)
R(11-5-20)
REMOTE(11-5-21)
SHIFT(11-15-21)
B(11-15-20)
SIM-61M66823F-1
U43
SIM-74HC32S
U20
x(INTKEY(23-10-6)
(11-8-26) RC7
(11-18-27) RC6
(11-8-27) RC5
(11-18-28) RC4
(11-8-28) RC3
(11-18-29) RC2
(11-8-29) RC1
(11-18-30) RC0
Q1
Q3
Q5
Q7
STT-FMA5xT148
+5V
R21
RAY-CJ3K8
(11-8-22) CC88
(11-18-23) CC89
(11-8-23) CC86
(11-18-24) CC87
(11-8-24) CC84
(11-18-25) CC85
(11-8-25) CC82
(11-18-26) CC83
R25
RAY-CJ3K8
RCP-RJ6R8K
RCP-RJ10K
R28
CTR-A53R3U16V
(11-18-31) RF
BP-2(30-36-12)
R27
CTR-A53R3U16V
SIM-74HC14S
U3
SIM-74HC14S
U3
C95
U22
SIM-74HC84S
U22
SIM-74HC84S
(11-8-30) BP
C8
CCP-TCR1U50V
U45
SIM-74HC4538S
+5V
(23-50-10) xLVR
D0(3-8-38)
(4-22-21)
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(14-5-38)
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(17-4-36)
(23-8-26)
(24-5-36)
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(26-5-37)
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(41-4-25)
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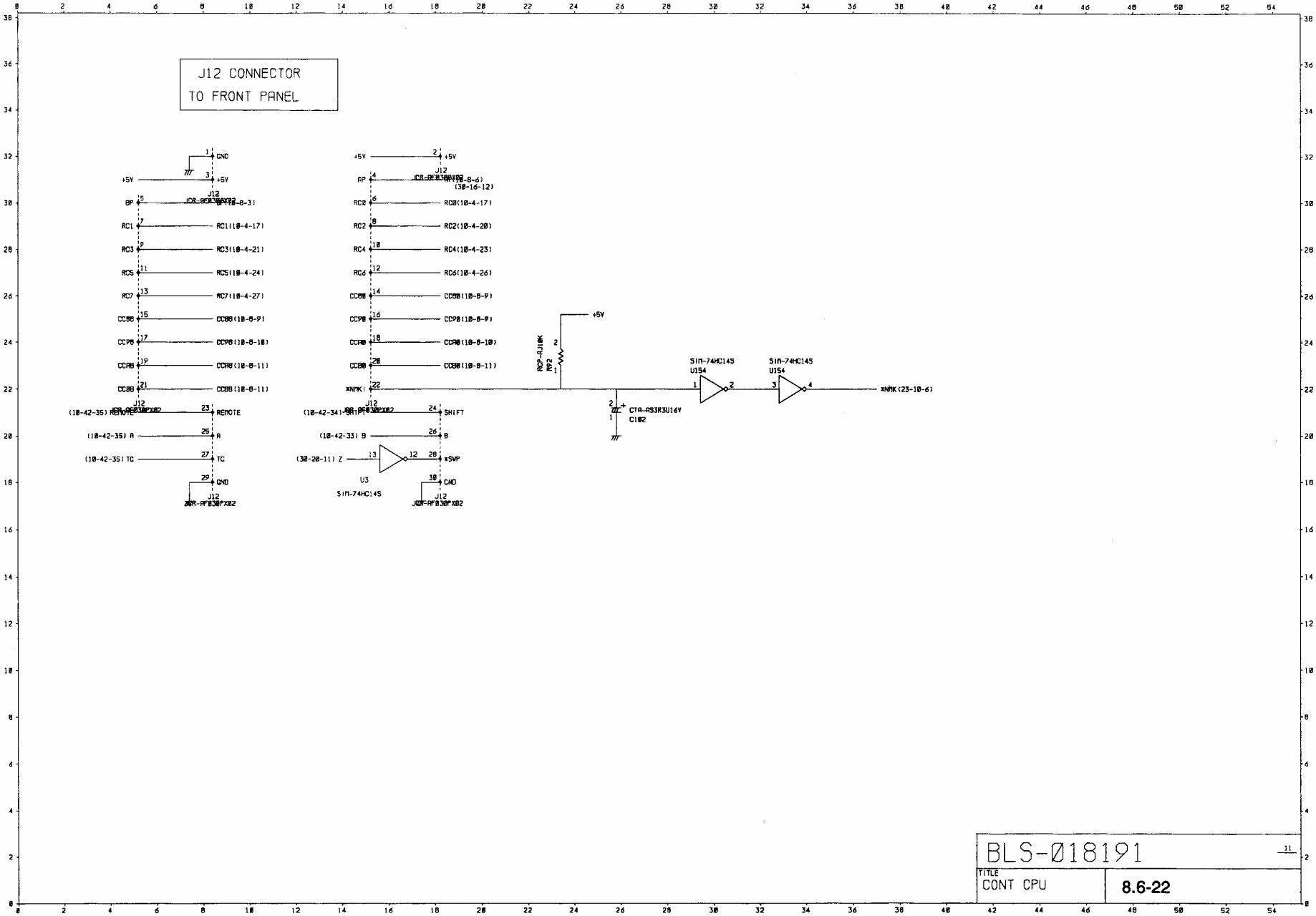
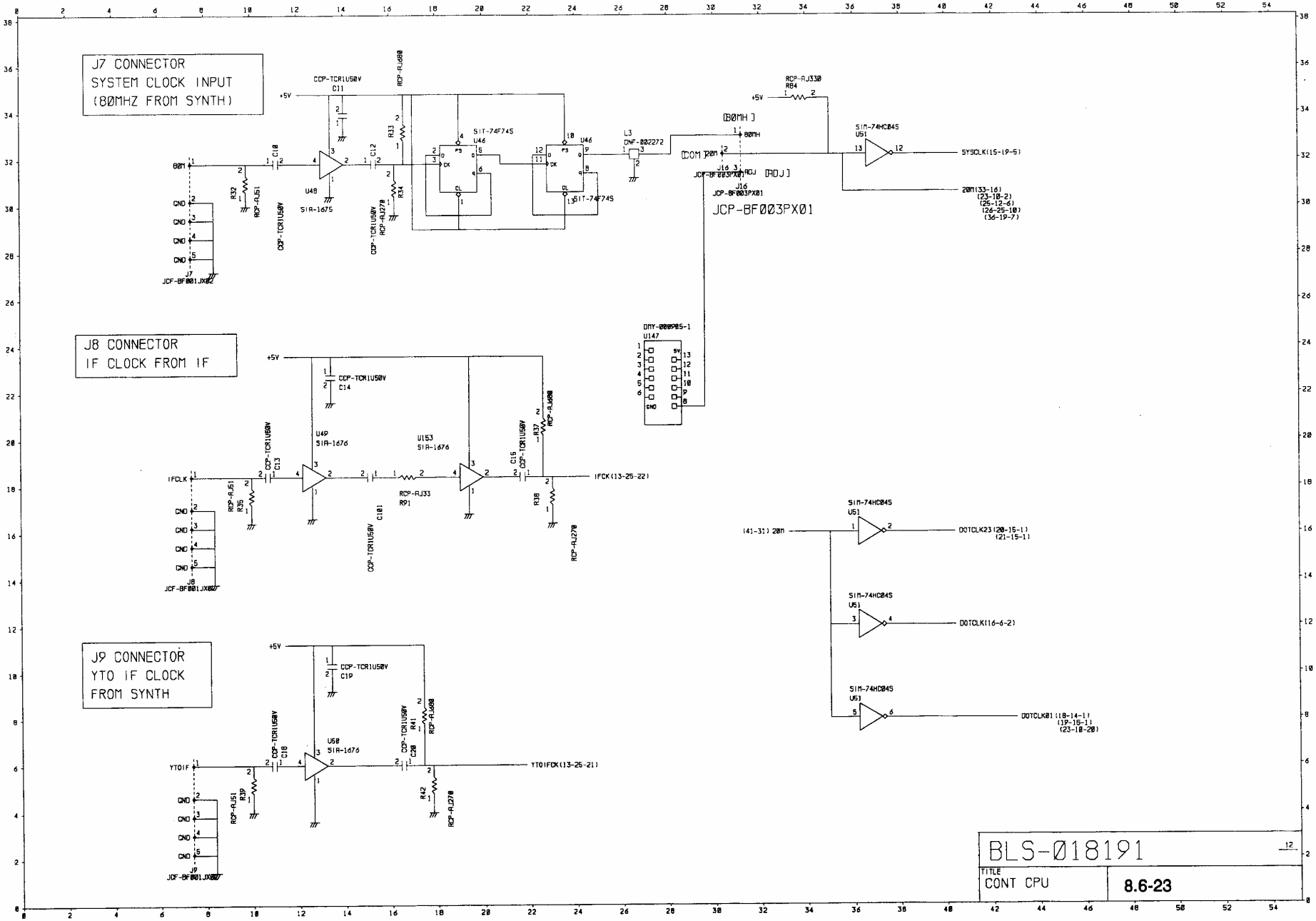
(26-30-35)
(33-18-24)
(41-8-21)
D7(3-8-10)
(4-35-12)
(5-13-7)
(14-13-27)
(15-13-31)
(17-8-24)
(23-4-38)
(24-9-24)
(25-10-24)
(26-34-35)
(33-21-24)
(41-12-20)
(43-12-38)
BLS-018191
TITLE
CONT CPU
8.6-21




BLS-018191 11

TITLE
CONT CPU

8.6-22


J7 CONNECTOR
SYSTEM CLOCK INPUT
(80MHZ FROM SYNTH)
J8 CONNECTOR
IF CLOCK FROM IF
J9 CONNECTOR
YTO IF CLOCK
FROM SYNTH
JCP-BF003PX01
SYSCLK(15-19-5)
IFCLK(13-25-22)
YTOIFCK(13-25-21)
DOTCLK23(20-15-1)(21-15-1)
DOTCLK(16-6-2)
DOTCLK01(18-14-1)(19-15-1)(23-10-20)
BLS-018191
CONT CPU
8.6-23

COUNTER G.A. PIN NAME

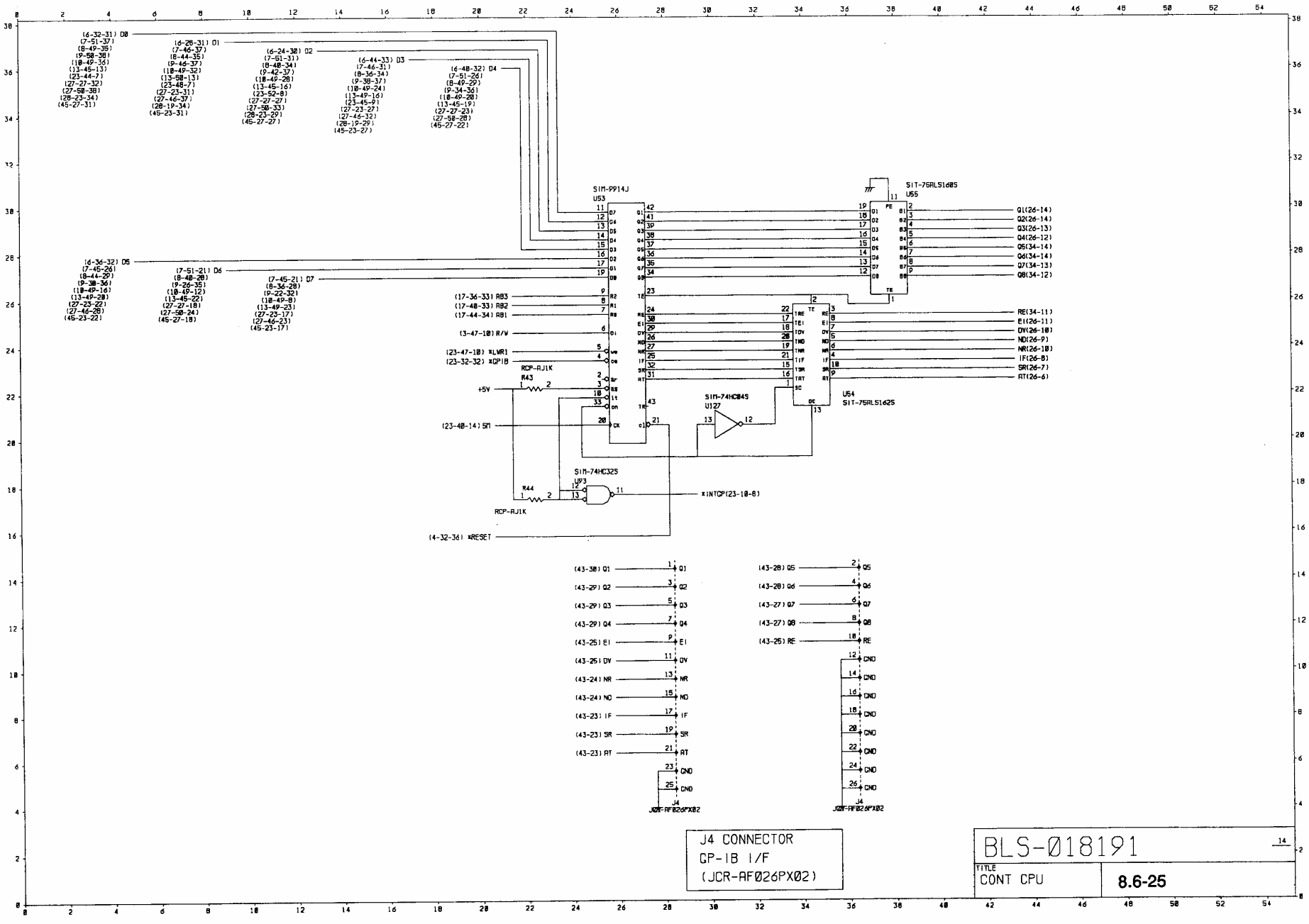
| | | | | | |
|---|---|---|---|---|---|
| 1 | TEST1 | (GND) | 64 | =NC= | == |
| 2 | *LLD | (+5V) | 63 | *CLR | (+5V) |
| 3 | DTS1 | (GND) | 62 | AD17 | (GND) |
| 4 | DTS2 | (GND) | 61 | D5 | I/O |
| 5 | DTS3 | (GND) | 60 | D4 | I/O |
| 6 | SLTC | (GND) | 59 | D3 | I/O |
| 7 | D6 | I/O | 58 | (+5V) | == |
| 8 | D7 | I/O | 57 | (GND) | == |
| 9 | D8 | I/O | 56 | D2 | I/O |
| 10 | (GND) | == | 55 | D1 | I/O |
| 11 | D9 | I/O | 54 | D0 | I/O |
| 12 | D10 | I/O | 53 | *RCS | (+5V) |
| 13 | D11 | I/O | 52 | TEST7 | (+5V) |
| 14 | SLTF | (GND) | 51 | TEST6 | (+5V) |
| 15 | *OEB | (+5V) | 50 | A4 | IN |
| 16 | CSTR | (GND) | 49 | A3 | IN |
| 17 | =NC= | == | 48 | A2 | IN |
| 18 | *TLD | (+5V) | 47 | A1 | IN |
| 19 | TEST2 | (GND) | 46 | *TSP | (+5V) |
| 20 | TEST3 | (GND) | 45 | D15 | I/O |
| 21 | EMTF | (GND) | 44 | D14 | I/O |
| 22 | HLFC | (GND) | 43 | ECNT | OUT |
| 23 | 10MHZ | IN | 42 | (GND) | == |
| 24 | 20MHZ | IN | 41 | INTCNT | OUT |
| 25 | (GND) | == | 40 | D13 | I/O |
| 26 | (+5V) | == | 39 | D12 | I/O |
| 27 | 3MHZ | IN | 38 | *RESET | IN |
| 28 | TCCK | (GND) | 37 | *CSCNT | IN |
| 29 | CMTF | (GND) | 36 | *WR | IN |
| 30 | SEXT | (GND) | 35 | *RD | IN |
| 31 | ENLH | (GND) | 34 | =NC= | == |
| 32 | TEST4 | (GND) | 33 | TEST5 | (+5V) |

COUNTER G.A.
(MB620410)

BLS-018191 13

TITLE
CONT CPU

8.6-24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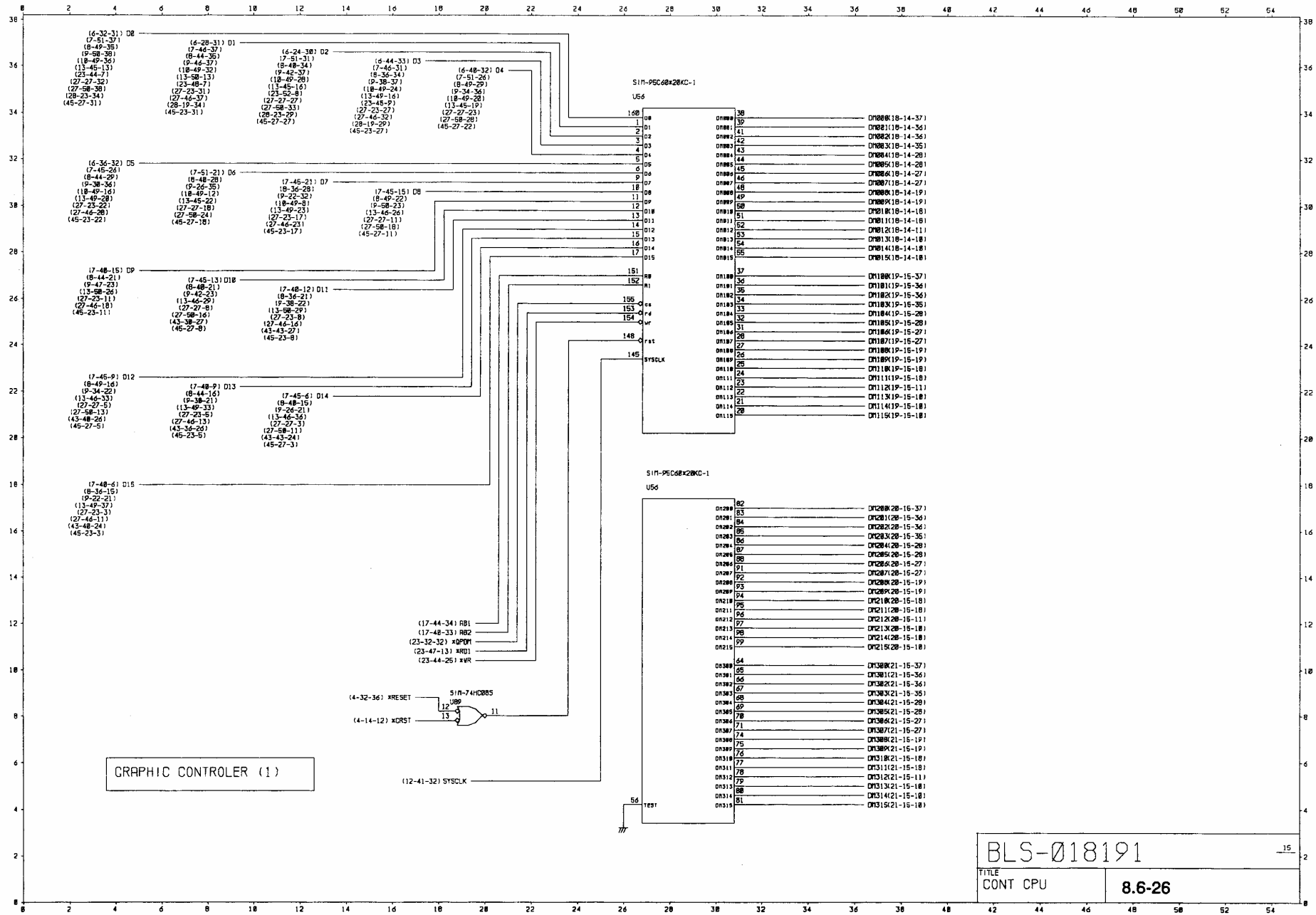
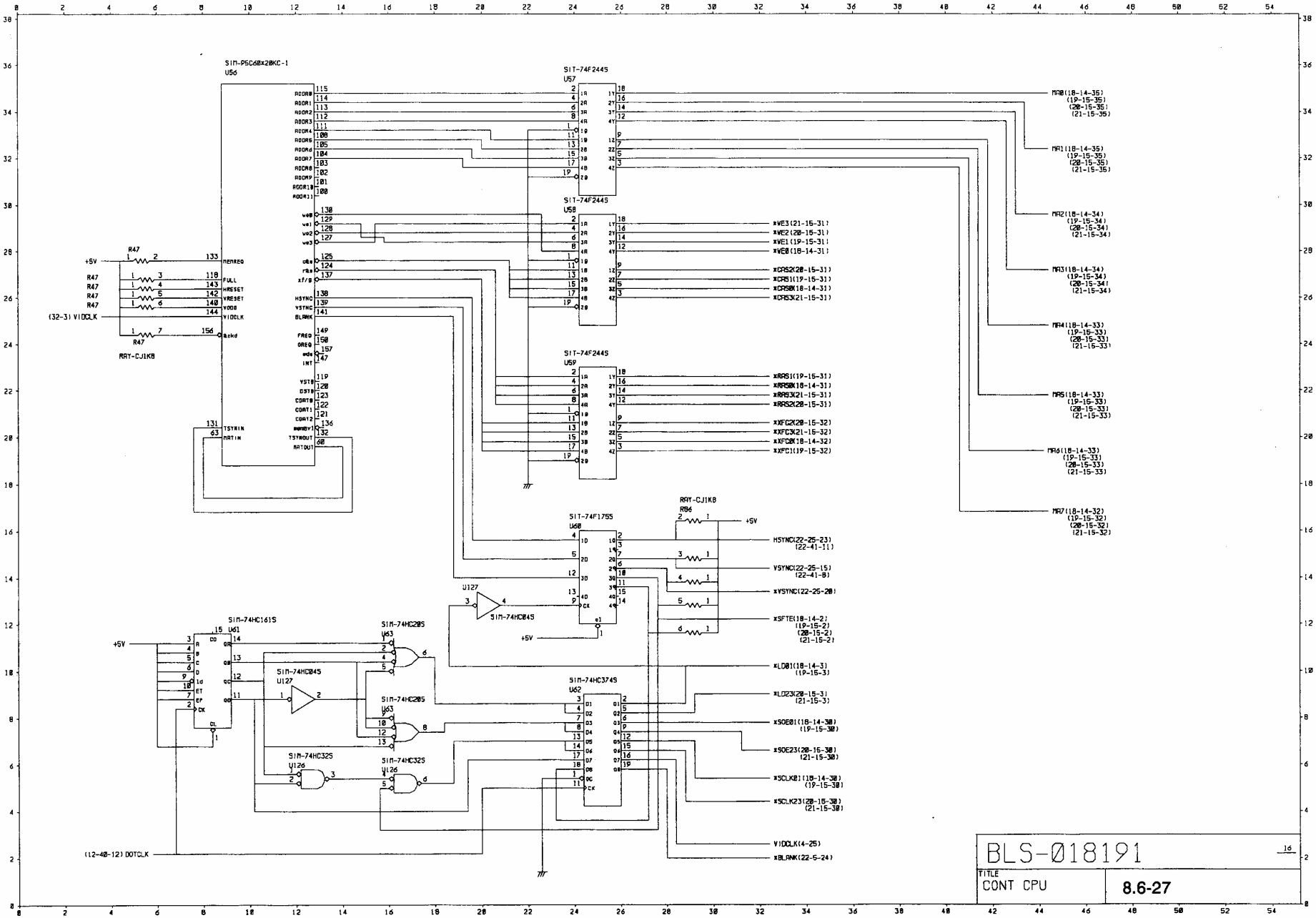
U53
SIT-75RLS1685
U55
SIM-74HC04S
U127
U54
SIT-75RLS1625
SIM-74HC32S
U93
RCP-AJ1K
R43
R44
+5V
(23-40-14) SM
(4-32-36) xRESET
xINTCP(23-10-6)
(6-32-31) D0
(6-28-31) D1
(6-24-30) D2
(6-44-33) D3
(6-40-32) D4
(6-36-32) D5
(7-51-21) D6
(7-45-21) D7
(17-36-33) RB3
(17-40-33) RB2
(17-44-34) RB1
(3-47-10) R/W
(23-47-10) xLWR1
(23-32-32) xGPIB
Q1(26-14)
Q2(26-14)
Q3(26-13)
Q4(26-12)
Q5(34-14)
Q6(34-14)
Q7(34-13)
Q8(34-12)
RE(34-11)
EI(26-11)
DV(26-10)
NO(26-9)
NR(26-10)
IF(26-8)
SR(26-7)
AT(26-6)
(43-30) Q1
(43-29) Q2
(43-29) Q3
(43-29) Q4
(43-25) EI
(43-25) DV
(43-24) NR
(43-24) NO
(43-23) IF
(43-23) SR
(43-23) AT
(43-28) Q5
(43-28) Q6
(43-27) Q7
(43-27) Q8
(43-25) RE
J4
JCR-AF026PX02
J4 CONNECTOR
GP-IB I/F
(JCR-AF026PX02)
BLS-018191
14
TITLE
CONT CPU
8.6-25


SIM-P5C60#20KC-1
U56
SIM-P5C60#20KC-1
U56
SIM-74HC08S
U89
GRAPHIC CONTROLER (1)
BLS-018191
15
TITLE
CONT CPU
8.6-26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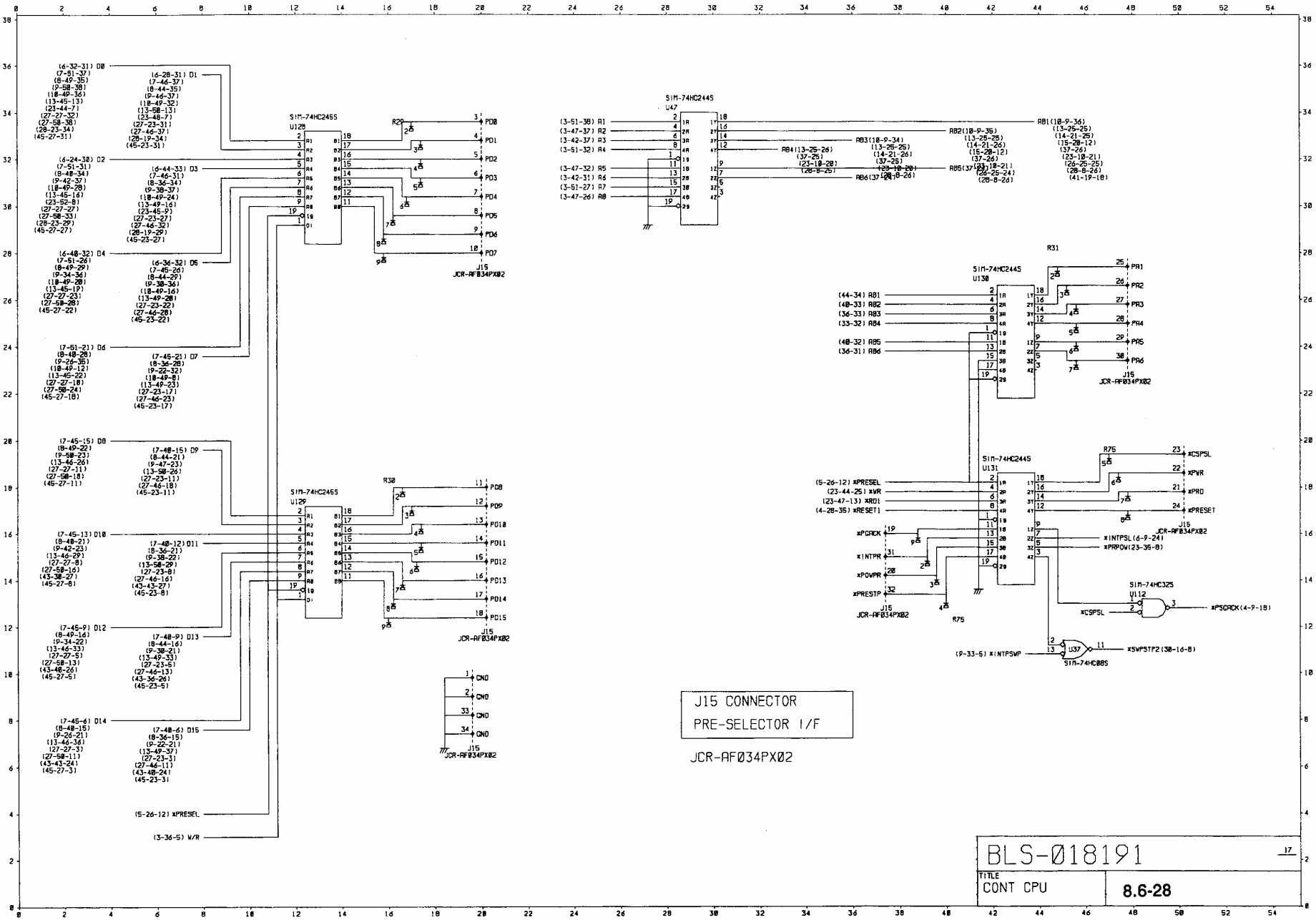
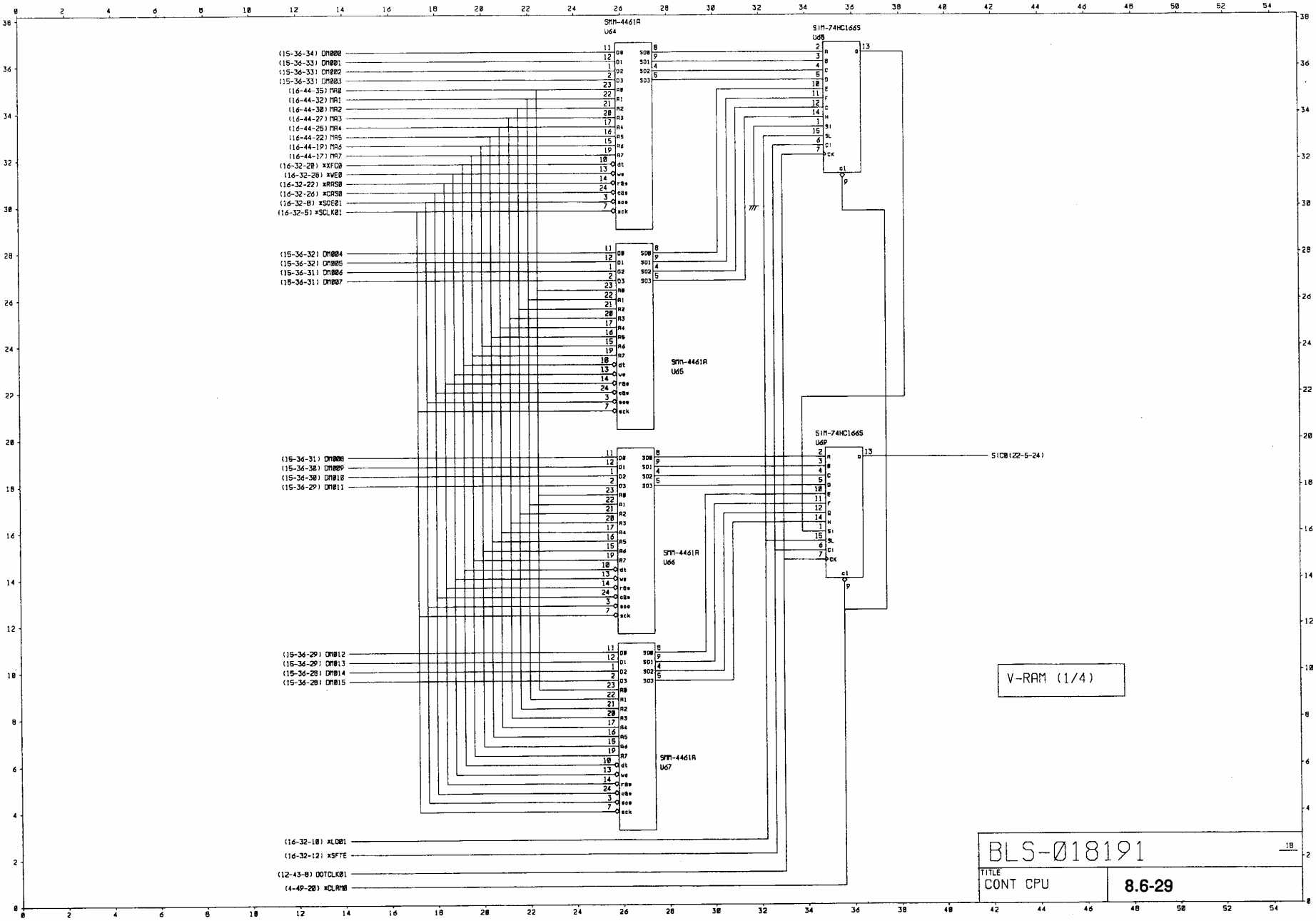
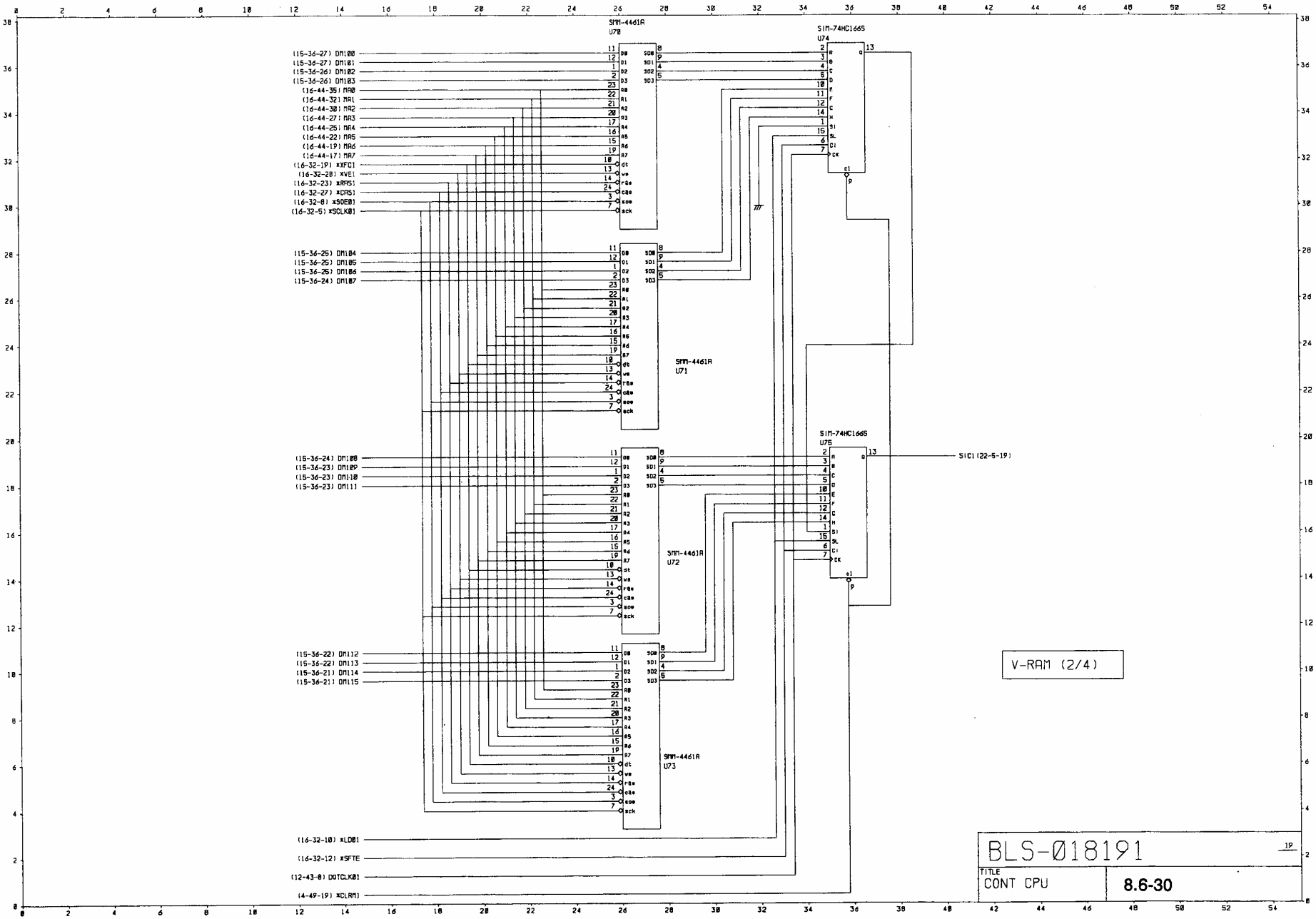
U56
SIT-74F2445
U57
U58
U59
SIT-74F1755
U60
SIM-74HC161S
U61
SIM-74HC20S
U63
SIM-74HC04S
U127
SIM-74HC32S
U126
SIM-74HC374S
U62
RAY-CJ1K8
R47
R86
+5V
(32-3) VIDCLK
(12-40-12) DOTCLK
MA0(18-14-35) (19-15-35) (20-15-35) (21-15-35)
MA1(18-14-35) (19-15-35) (20-15-35) (21-15-35)
MA2(18-14-34) (19-15-34) (20-15-34) (21-15-34)
MA3(18-14-34) (19-15-34) (20-15-34) (21-15-34)
MA4(18-14-33) (19-15-33) (20-15-33) (21-15-33)
MA5(18-14-33) (19-15-33) (20-15-33) (21-15-33)
MA6(18-14-33) (19-15-33) (20-15-33) (21-15-33)
MA7(18-14-32) (19-15-32) (20-15-32) (21-15-32)
*WE3(21-15-31)
*WE2(20-15-31)
*WE1(19-15-31)
*WE0(18-14-31)
*CAS2(20-15-31)
*CAS1(19-15-31)
*CAS0(18-14-31)
*CAS3(21-15-31)
*RAS1(19-15-31)
*RAS0(18-14-31)
*RAS3(21-15-31)
*RAS2(20-15-31)
*XFC2(20-15-32)
*XFC3(21-15-32)
*XFC0(18-14-32)
*XFC1(19-15-32)
HSYNC(22-25-23) (22-41-11)
VSYNC(22-25-15) (22-41-8)
*XVSYNC(22-25-20)
*SFTE(18-14-2) (19-15-2) (20-15-2) (21-15-2)
*LD01(18-14-3) (19-15-3)
*LD23(20-15-3) (21-15-3)
*SOE01(18-14-38) (19-15-38)
*SOE23(20-15-38) (21-15-38)
*SCLK01(18-14-38) (19-15-38)
*SCLK23(20-15-38) (21-15-38)
VIDCLK(4-25)
*BLANK(22-5-24)
BLS-018191
16
TITLE
CONT CPU
8.6-27


SIM-74HC245S
U128
U129
U47
U130
U131
U112
U37
R20
R30
R31
R75
J15
JCR-AF034PX02
SIM-74HC244S
SIM-74HC32S
SIM-74HC08S
(6-32-31) D0
(6-28-31) D1
(6-24-32) D2
(6-44-33) D3
(6-48-32) D4
(6-36-32) D5
(7-51-21) D6
(7-45-21) D7
(7-45-15) D8
(7-48-15) D9
(7-45-13) D10
(7-48-12) D11
(7-45-9) D12
(7-48-9) D13
(7-45-6) D14
(7-48-6) D15
(5-26-12) xPRESEL
(3-36-5) W/R
(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4
(3-47-32) A5
(3-42-31) A6
(3-51-27) A7
(3-47-26) A8
AB1(10-9-36)
AB2(10-9-35)
AB3(10-9-34)
AB4(13-26-26)
AB5(37-24)
AB6(37-24)
(44-34) AB1
(40-33) AB2
(36-33) AB3
(33-32) AB4
(40-32) AB5
(36-31) AB6
PA1
PA2
PA3
PA4
PA5
PA6
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7
PD8
PD9
PD10
PD11
PD12
PD13
PD14
PD15
GND
xPRESEL
xWR
xRD1
xRESET1
xPGACK
x!NTPR
xPOWPR
xPRESTP
xCSPSL
xPWR
xPRD
xPRESET
x!NTPSL(6-9-24)
xPRPOW(23-35-8)
(9-33-5) x!NTPSWP
xPSGACK(4-9-18)
xSWPSTP2(38-16-8)
J15 CONNECTOR
PRE-SELECTOR I/F
JCR-AF034PX02
BLS-018191
17
TITLE
CONT CPU
8.6-28


SMM-4461A
U64
SIM-74HC166S
U65
SMM-4461A
U65
SIM-74HC166S
U66
SMM-4461A
U66
SMM-4461A
U67
(15-36-34) DM000
(15-36-33) DM001
(15-36-33) DM002
(15-36-33) DM003
(16-44-35) MA0
(16-44-32) MA1
(16-44-30) MA2
(16-44-27) MA3
(16-44-25) MA4
(16-44-22) MA5
(16-44-19) MA6
(16-44-17) MA7
(16-32-28) xXFC0
(16-32-28) xWE0
(16-32-22) xRAS0
(16-32-26) xSRS0
(16-32-8) xSOE01
(16-32-5) xSCLK01
(15-36-32) DM004
(15-36-32) DM005
(15-36-31) DM006
(15-36-31) DM007
(15-36-31) DM008
(15-36-30) DM009
(15-36-30) DM010
(15-36-29) DM011
(15-36-29) DM012
(15-36-29) DM013
(15-36-28) DM014
(15-36-28) DM015
(16-32-18) xLD01
(16-32-12) xSFTE
(12-43-8) DOTCLK01
(4-49-20) xCLR10
SICB(22-5-24)
V-RAM (1/4)
BLS-018191
TITLE
CONT CPU
8.6-29

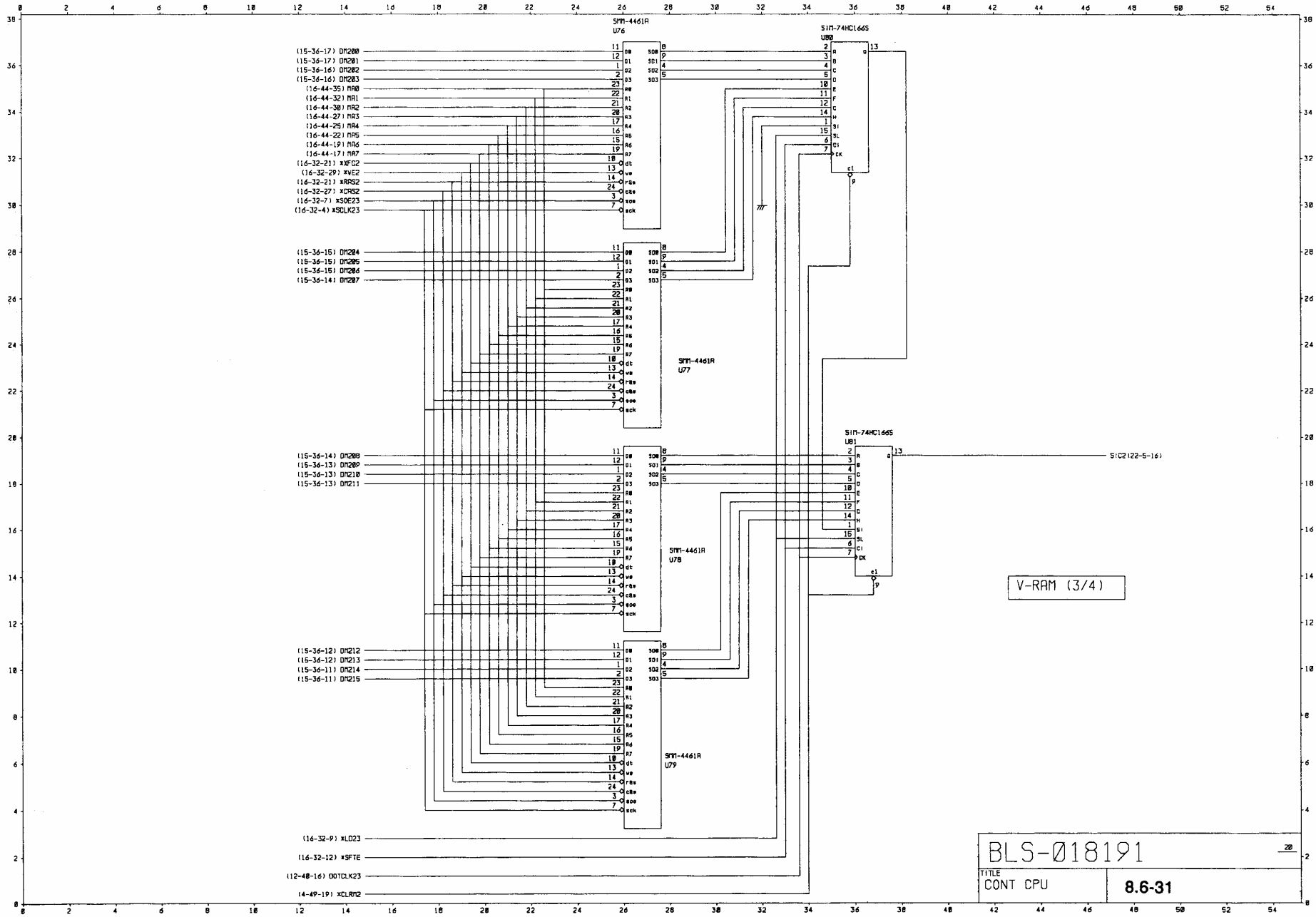


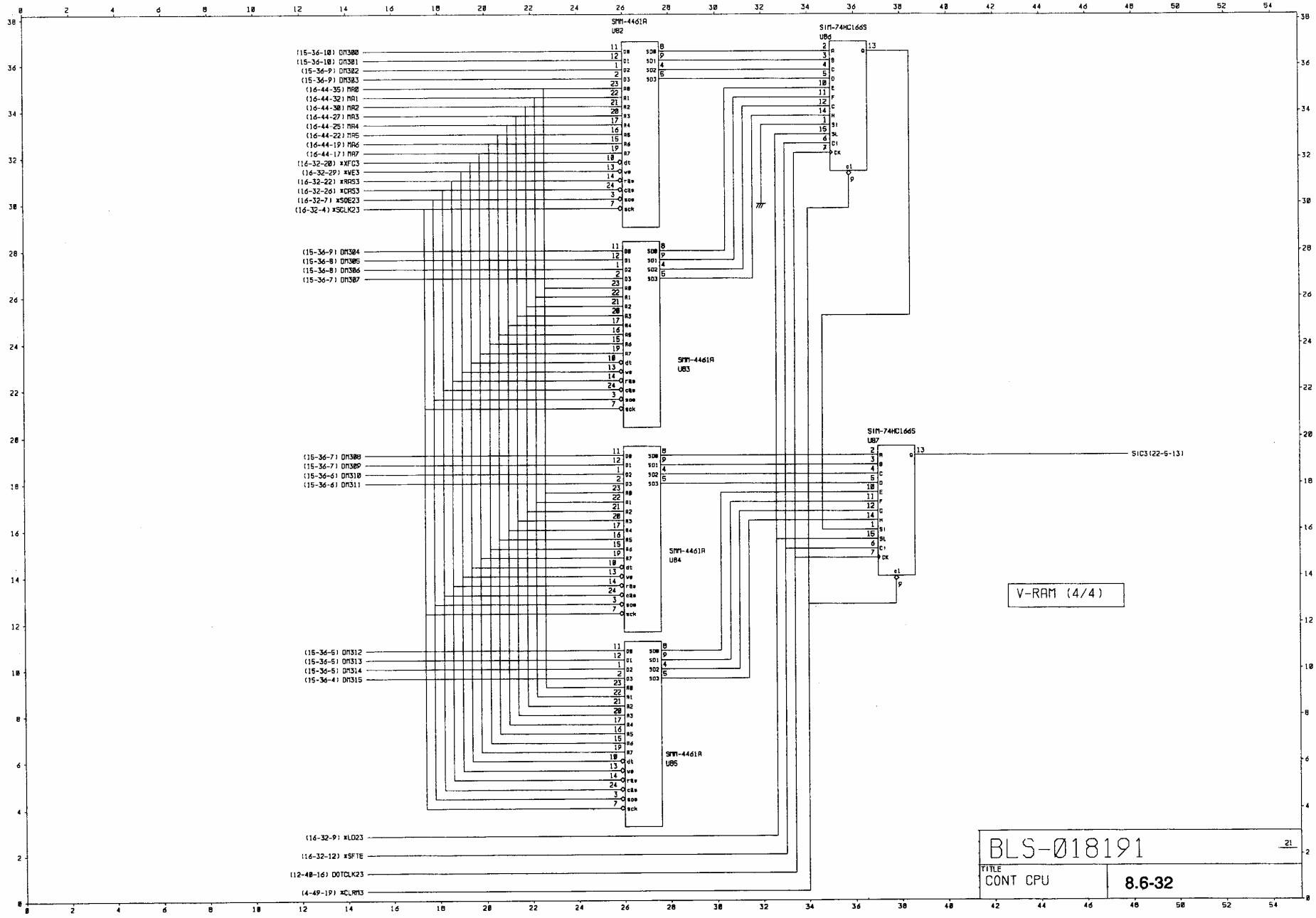

BLS-018191

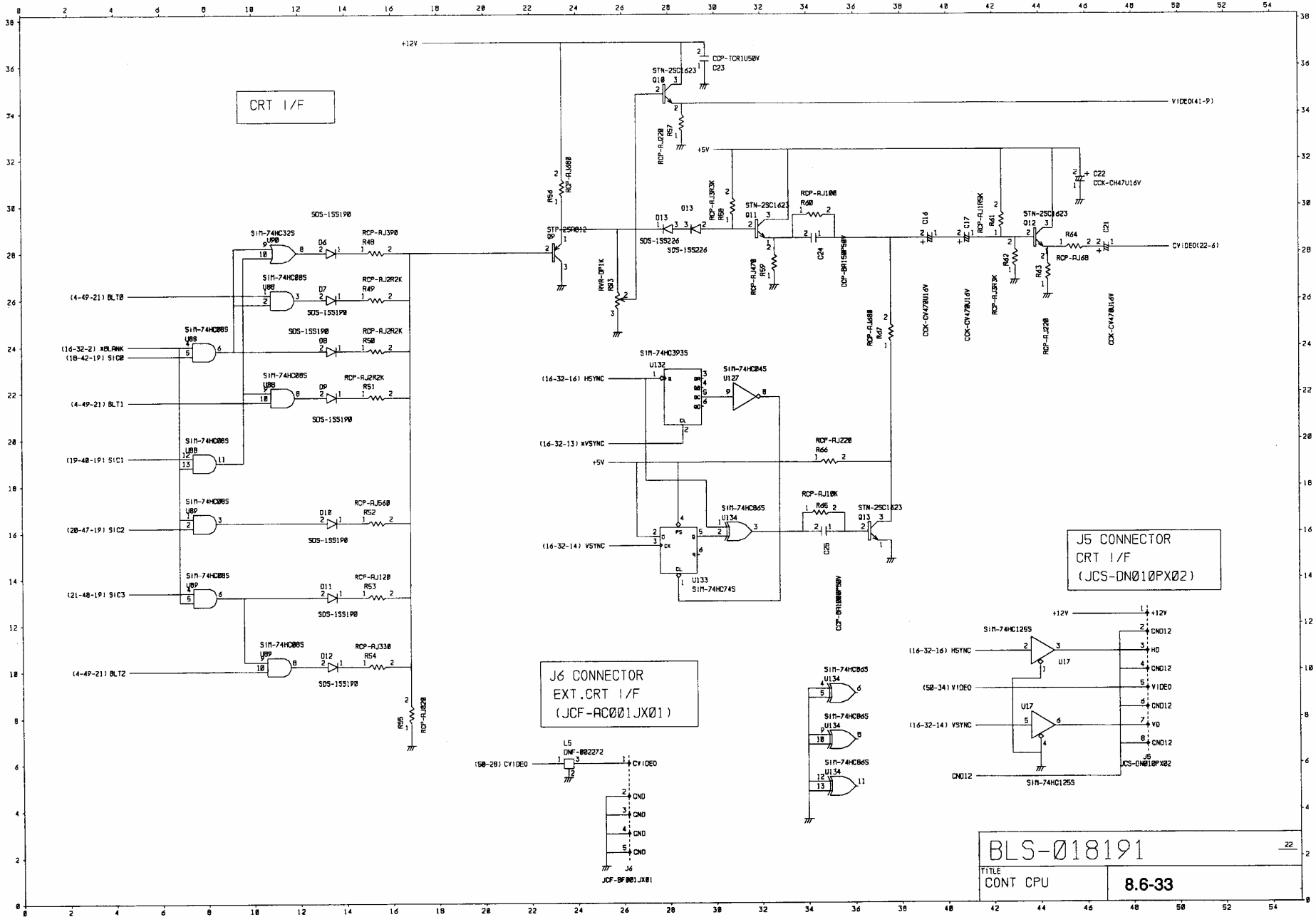
19

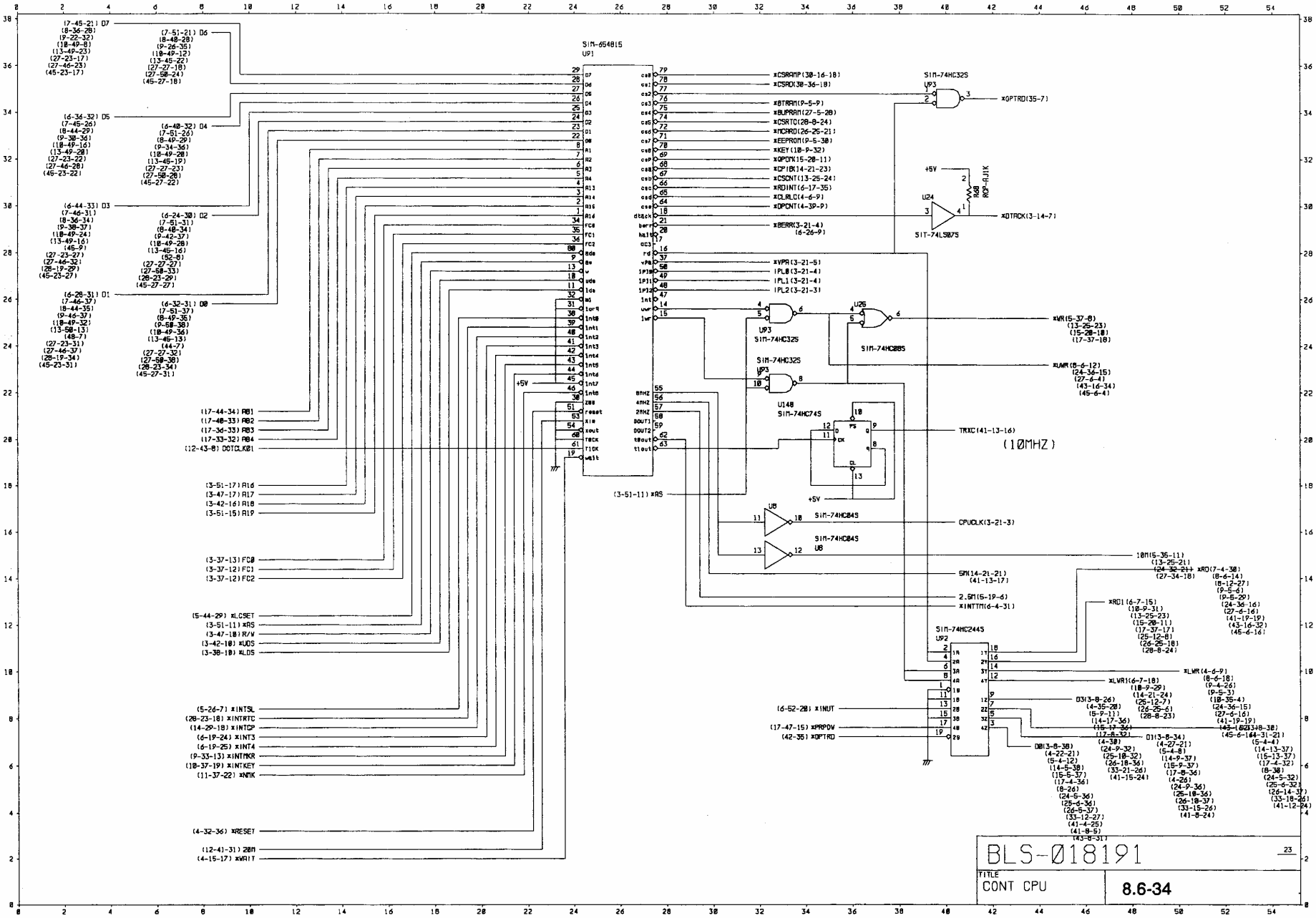
TITLE
CONT CPU

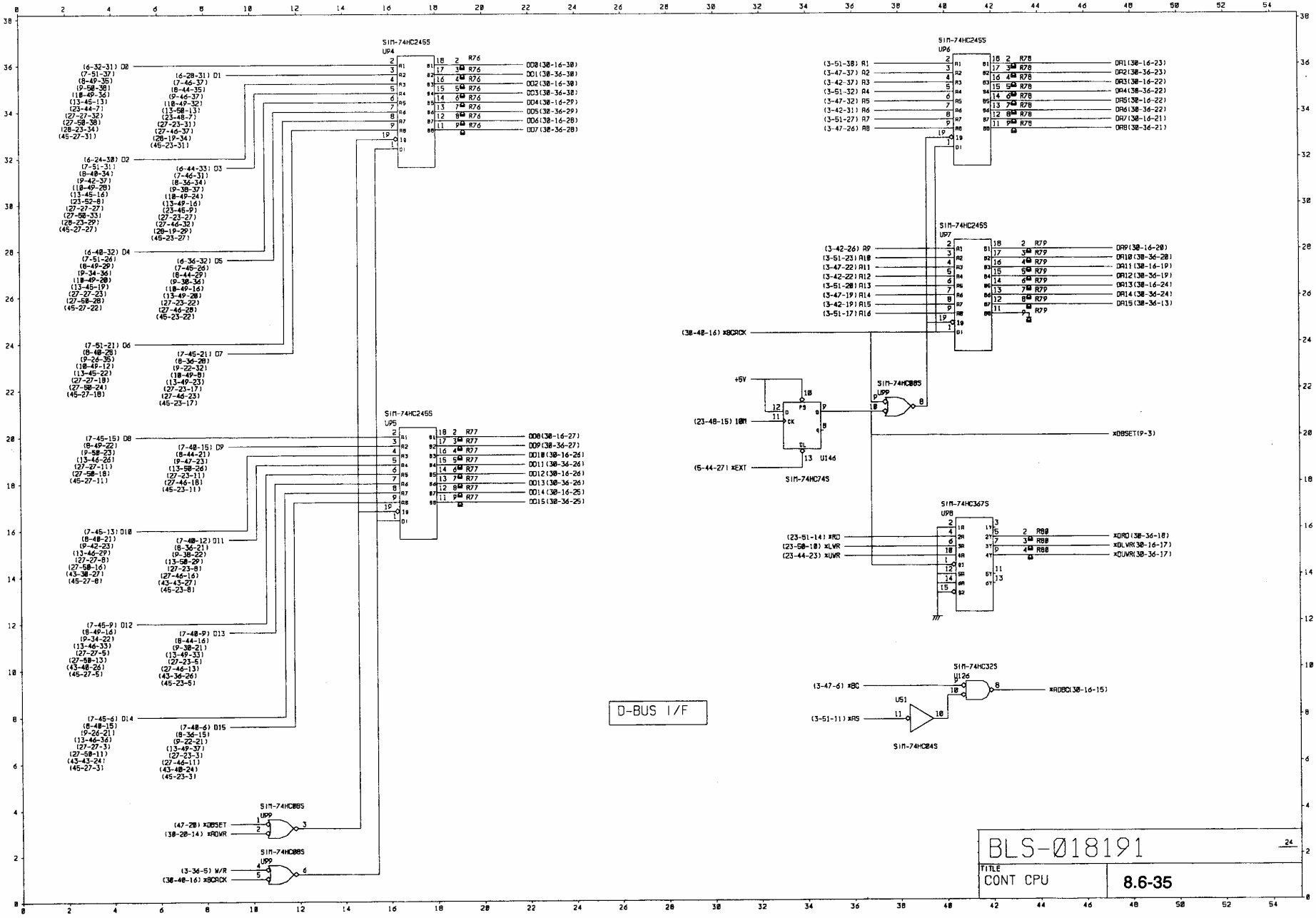
8.6-30

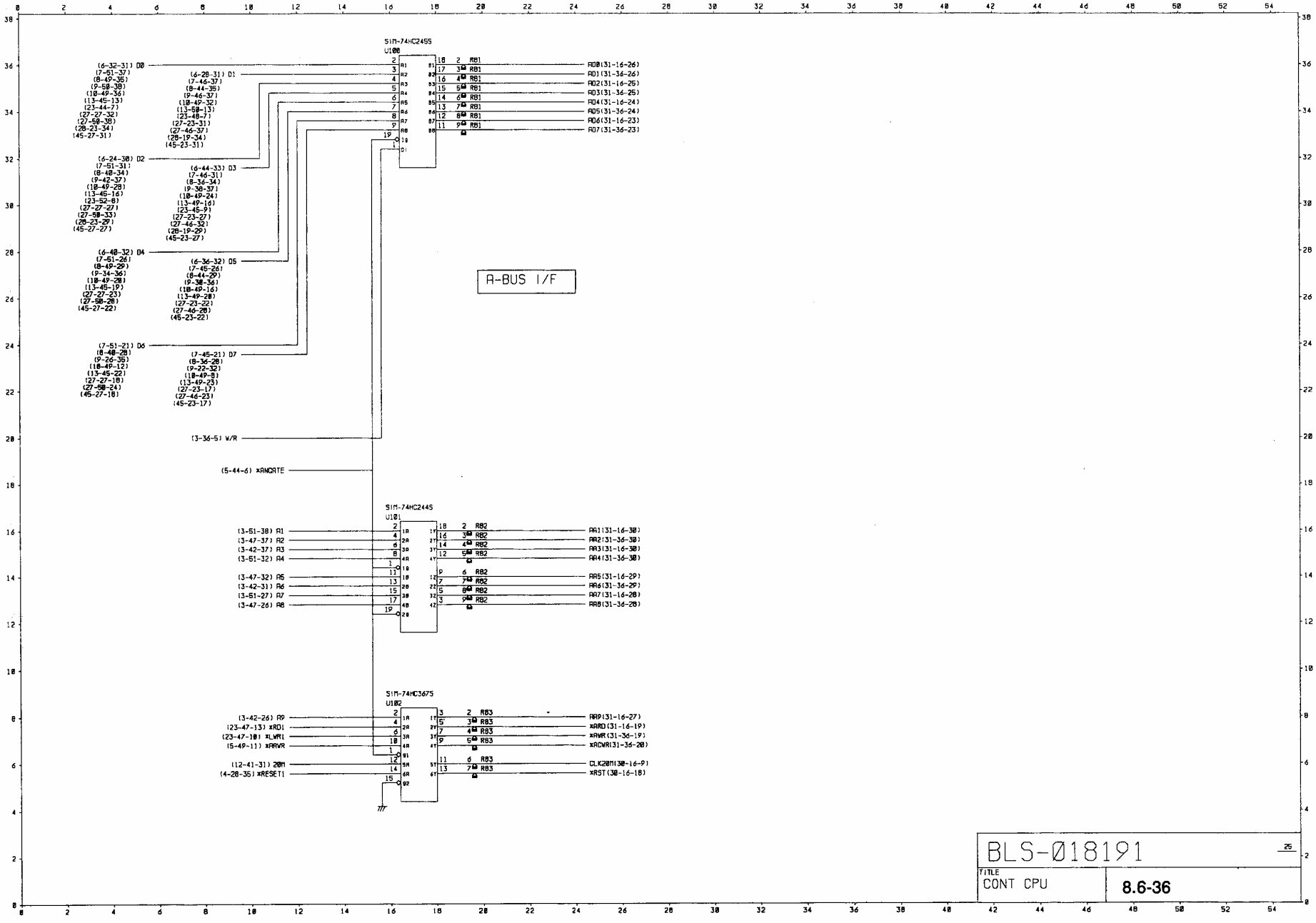

SMM-4461A
U76
SMM-4461A
U77
SMM-4461A
U78
SMM-4461A
U79
SIM-74HC166S
U80
SIM-74HC166S
U81
(15-36-17) DM200
(15-36-17) DM201
(15-36-16) DM202
(15-36-16) DM203
(16-44-35) MA0
(16-44-32) MA1
(16-44-30) MA2
(16-44-27) MA3
(16-44-25) MA4
(16-44-22) MA5
(16-44-19) MA6
(16-44-17) MA7
(16-32-21) xXFG2
(16-32-29) xVE2
(16-32-21) xRAS2
(16-32-27) xCAS2
(16-32-7) xSOE23
(16-32-4) xSCLK23
(15-36-15) DM204
(15-36-15) DM205
(15-36-15) DM206
(15-36-14) DM207
(15-36-14) DM208
(15-36-13) DM209
(15-36-13) DM210
(15-36-13) DM211
(15-36-12) DM212
(15-36-12) DM213
(15-36-11) DM214
(15-36-11) DM215
(16-32-9) xLD23
(16-32-12) xSFTE
(12-48-16) DOTCLK23
(4-49-19) xCLRM2
SIC2122-5-16)
V-RAM (3/4)
BLS-Ø18191
TITLE
CONT CPU
8.6-31

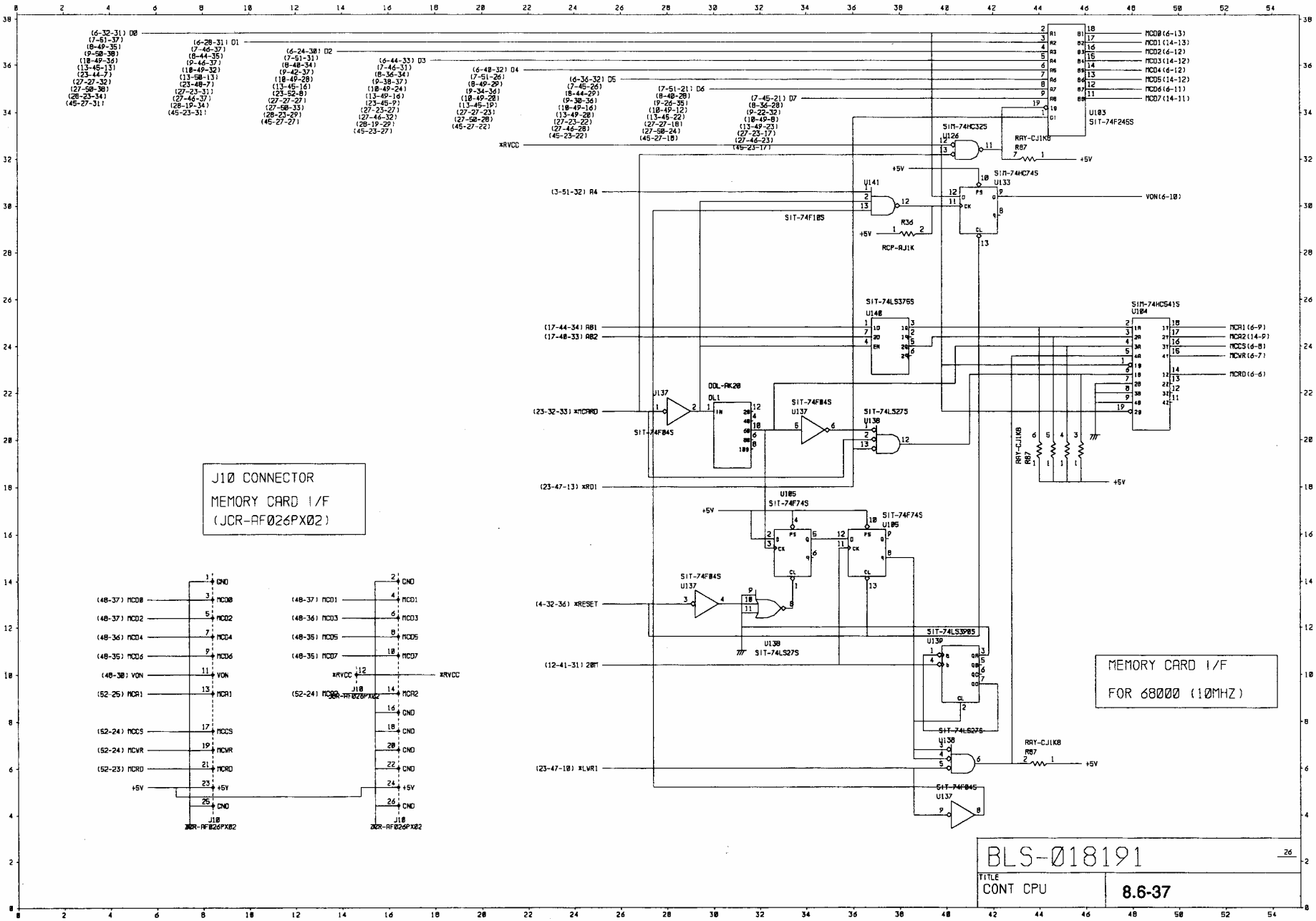

SMM-4461A
U82
SIM-74HC166S
U86
(15-36-10) DM300
(15-36-10) DM301
(15-36-9) DM302
(15-36-9) DM303
(16-44-35) MA0
(16-44-32) MA1
(16-44-30) MA2
(16-44-27) MA3
(16-44-25) MA4
(16-44-22) MA5
(16-44-19) MA6
(16-44-17) MA7
(16-32-20) *XFC3
(16-32-29) *WE3
(16-32-22) *RAS3
(16-32-26) *CAS3
(16-32-7) *SDE23
(16-32-4) *SCLK23
SMM-4461A
U83
(15-36-9) DM304
(15-36-8) DM305
(15-36-8) DM306
(15-36-7) DM307
SMM-4461A
U84
(15-36-7) DM308
(15-36-7) DM309
(15-36-6) DM310
(15-36-6) DM311
SMM-4461A
U85
(15-36-6) DM312
(15-36-5) DM313
(15-36-5) DM314
(15-36-4) DM315
SIM-74HC166S
U87
SIC3122-5-131
(16-32-9) *LD23
(16-32-12) *SFTE
(12-48-16) DOTCLK23
(4-49-19) *CLRM3
V-RAM (4/4)
BLS-018191
21
TITLE
CONT CPU
8.6-32

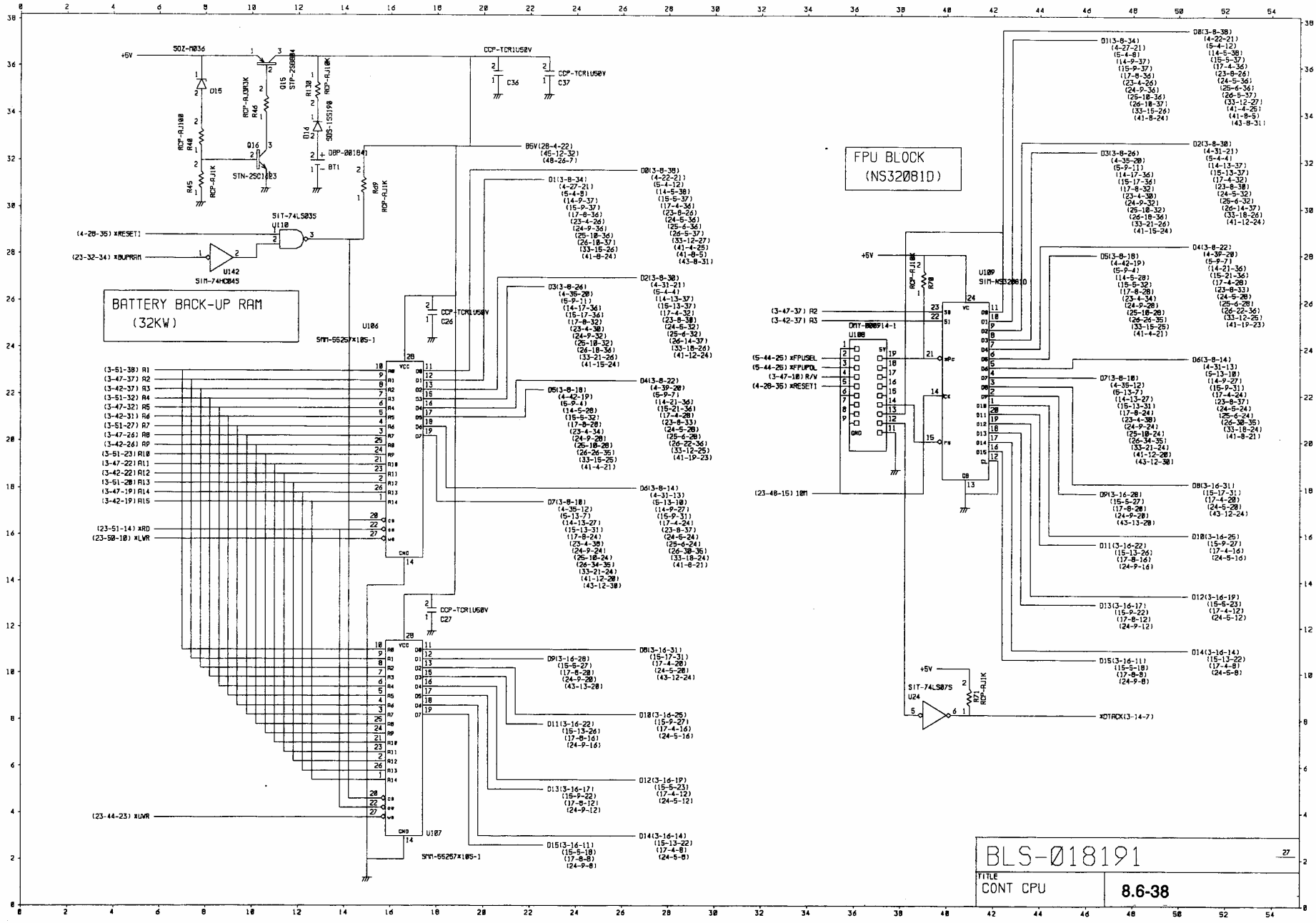

CRT I/F
+12V
VIDEO(41-P)
+5V
(4-49-21) BLT0
(16-32-2) *BLANK
(18-42-19) SIC0
(4-49-21) BLT1
(19-40-19) SIC1
(20-47-19) SIC2
(21-48-19) SIC3
(4-49-21) BLT2
(16-32-16) HSYNC
(16-32-13) *VSYNC
(16-32-14) VSYNC
CVIDEO(22-6)
J5 CONNECTOR
CRT I/F
(JCS-DN010PX02)
J6 CONNECTOR
EXT.CRT I/F
(JCF-AC001JX01)
(50-20) CVIDEO
(50-34) VIDEO
BLS-018191
TITLE
CONT CPU
8.6-33

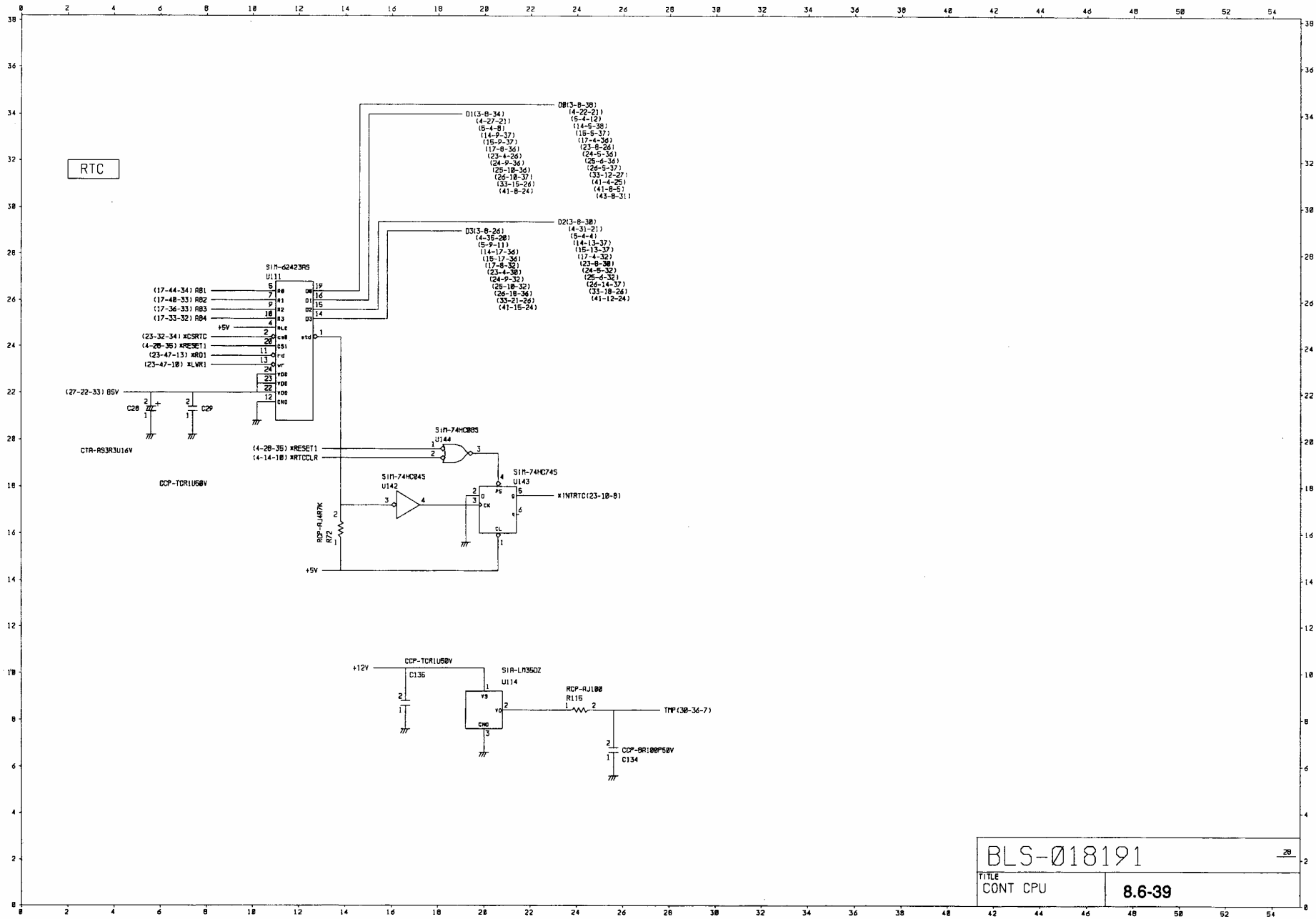

SIM-654815
U91
SIM-74HC32S
U93
SIM-74HC08S
U26
SIM-74HC74S
U148
SIM-74HC244S
U92
SIM-74LS07S
U24
+5V
(10MHZ)
BLS-018191
23
TITLE
CONT CPU
8.6-34


SIM-74HC245S
U$4
SIM-74HC245S
U$5
SIM-74HC245S
U$6
SIM-74HC245S
U$7
SIM-74HC08S
U$9
SIM-74HC08S
U$9
SIM-74HC74S
U146
SIM-74HC367S
U$8
SIM-74HC32S
U126
SIM-74HC04S
U$1
D-BUS I/F
BLS-018191
24
TITLE
CONT CPU
8.6-35


A-BUS I/F
U100
U101
U102
BLS-018191
CONT CPU
8.6-36


J10 CONNECTOR
MEMORY CARD I/F
(JCR-AF026PX02)
MEMORY CARD I/F
FOR 68000 (10MHZ)
BLS-018191
26
TITLE
CONT CPU
8.6-37


BATTERY BACK-UP RAM
(32KW)
FPU BLOCK
(NS32081D)
BLS-018191
27
TITLE
CONT CPU
8.6-38

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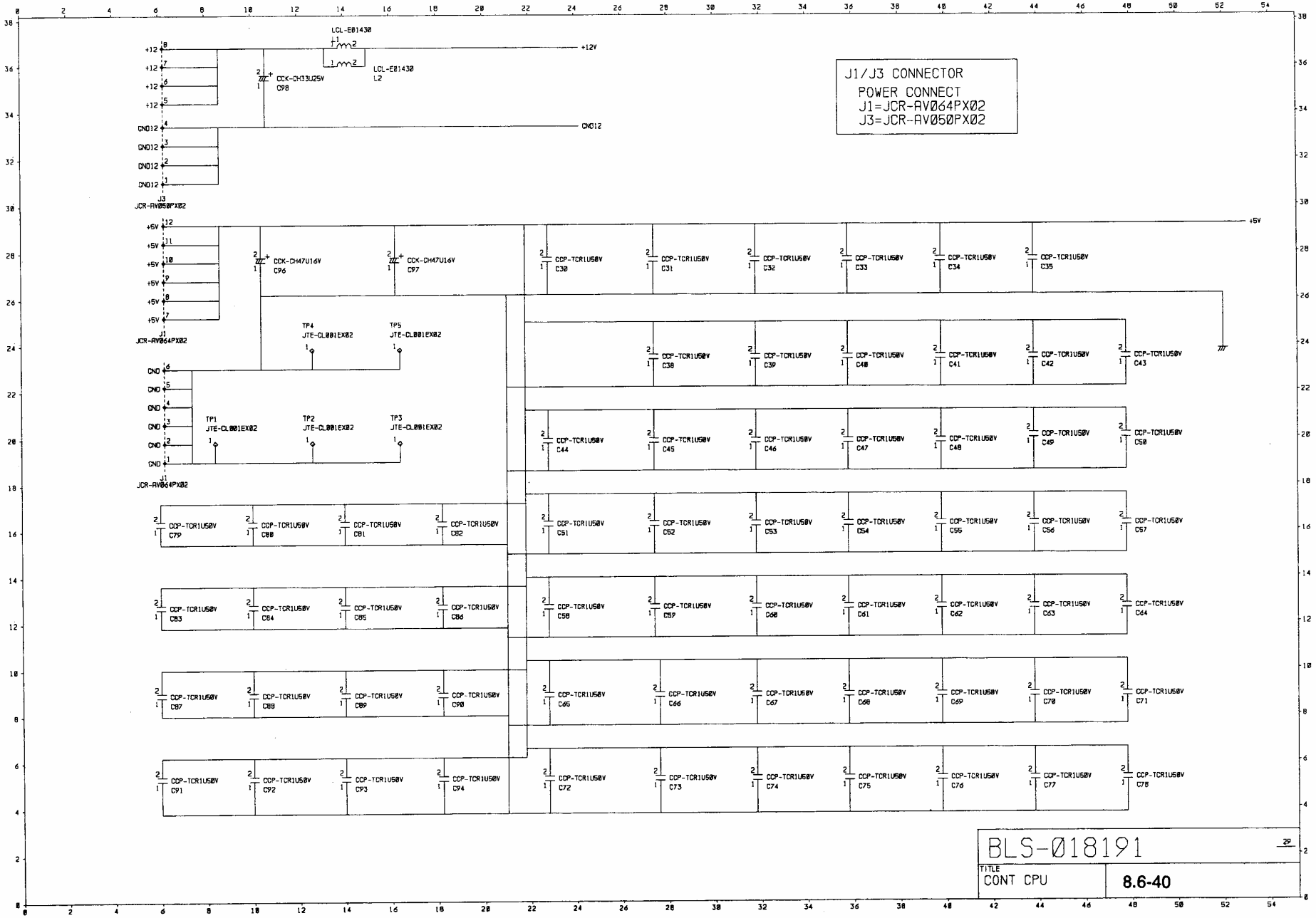
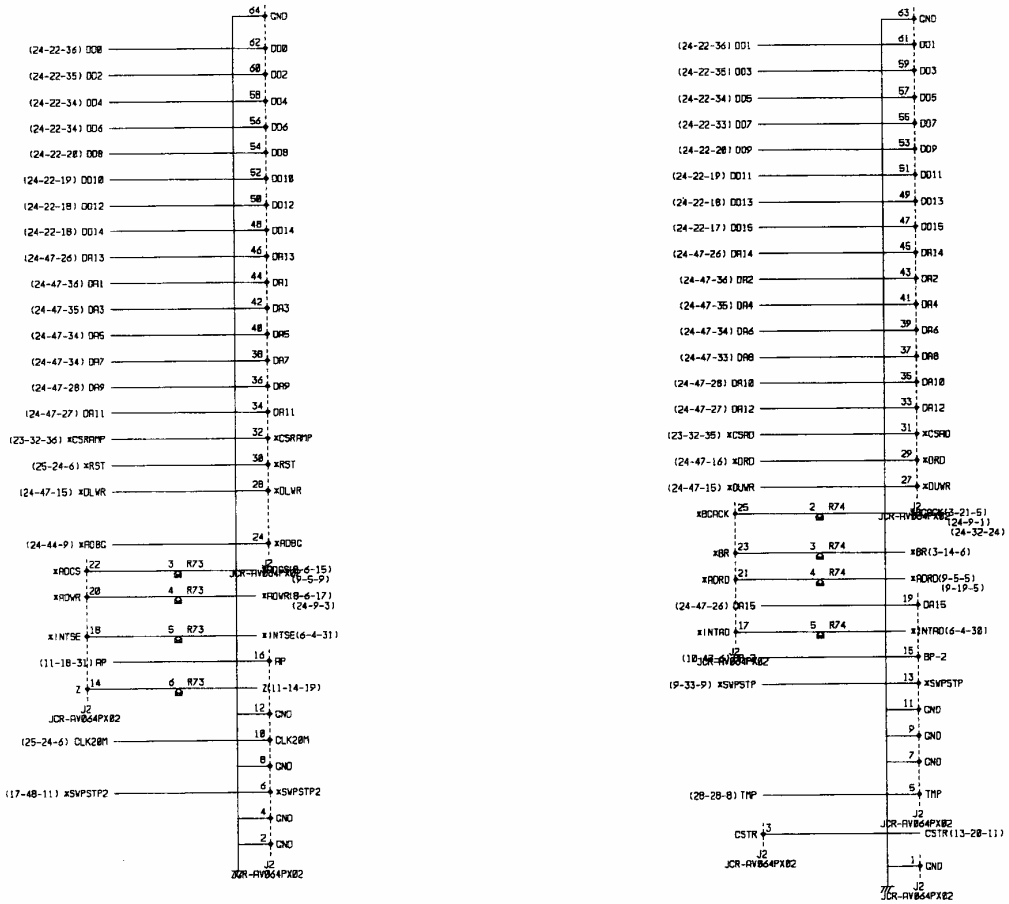
|---|---|
| BLS-018191 | 20 |
| TITLE: CONT CPU | 8.6-39 |

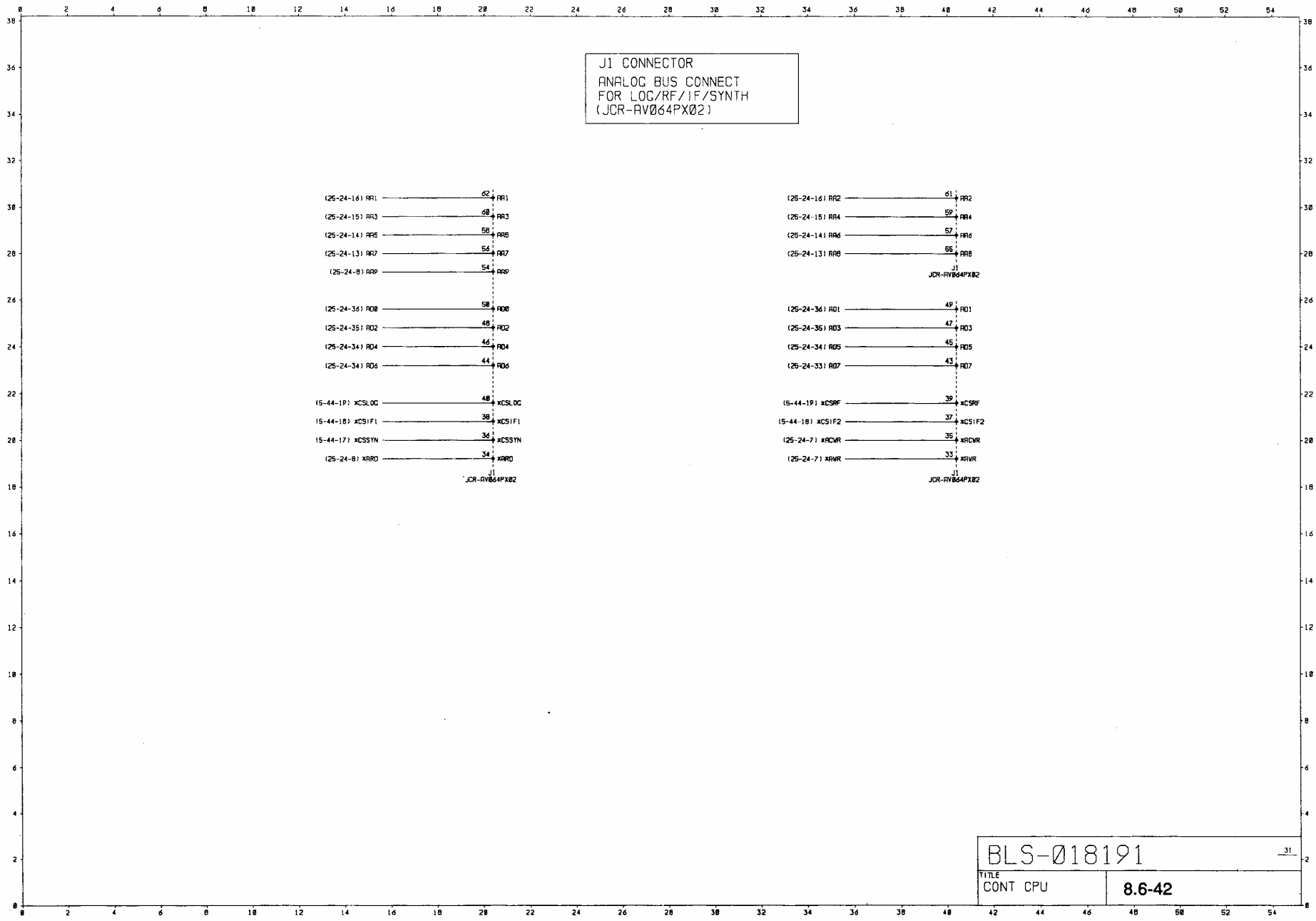

J1/J3 CONNECTOR
POWER CONNECT
J1=JCR-AV064PX02
J3=JCR-AV050PX02
LCL-E01430
CCK-CH33U25V
C98
+12V
GND12
J3
JCR-AV050PX02
+5V
CCK-CH47U16V
C96
C97
J1
JCR-AV064PX02
GND
TP1
TP2
TP3
TP4
TP5
JTE-CL001EX02
CCP-TCR1U50V
BLS-018191
TITLE
CONT CPU
8.6-40

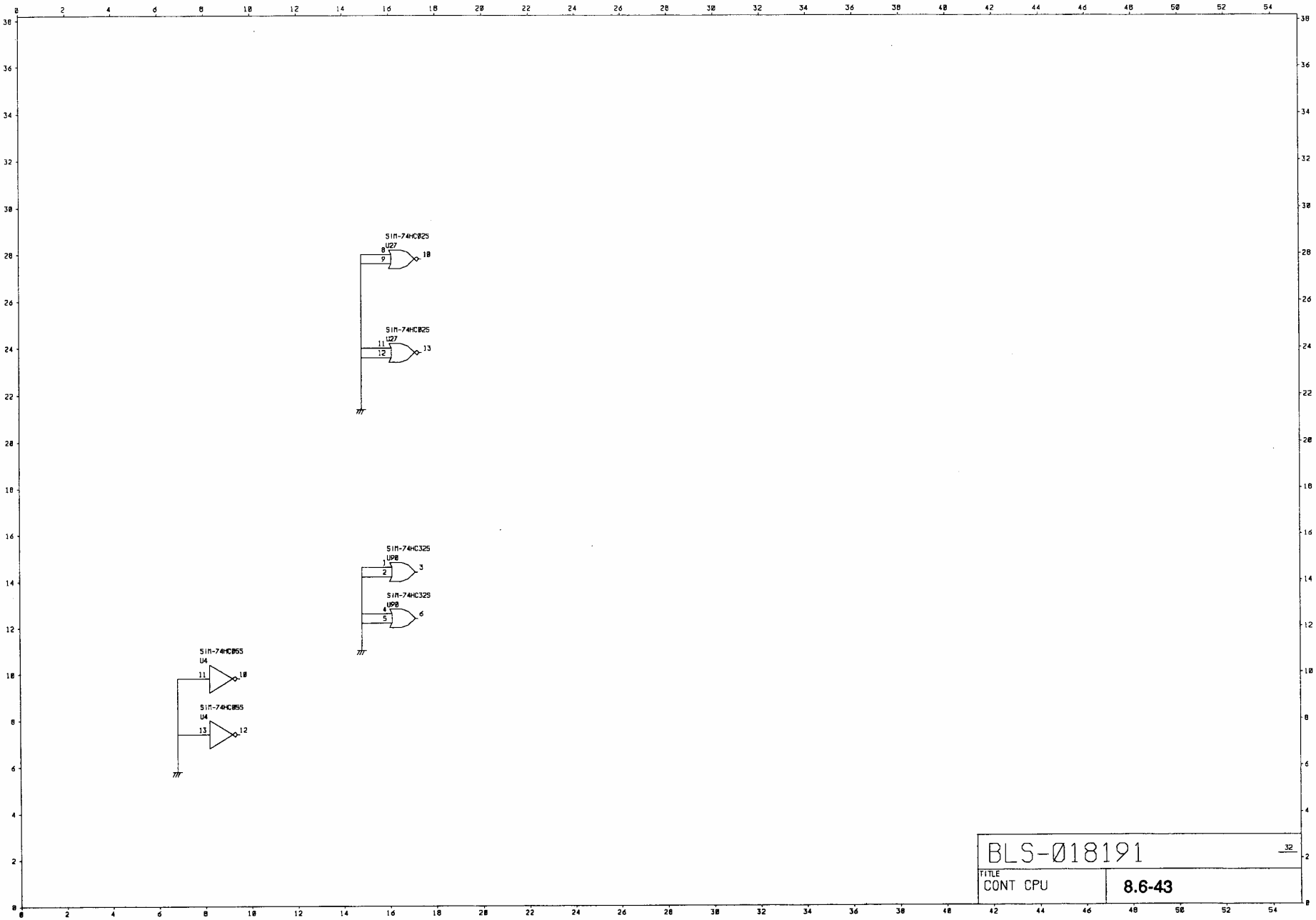
J2 CONNECTOR
DIGITAL BUS CONNECTOR
FOR AD/RAMP
(JCR-AV064PX02)




BLS-018191

TITLE
CONT CPU

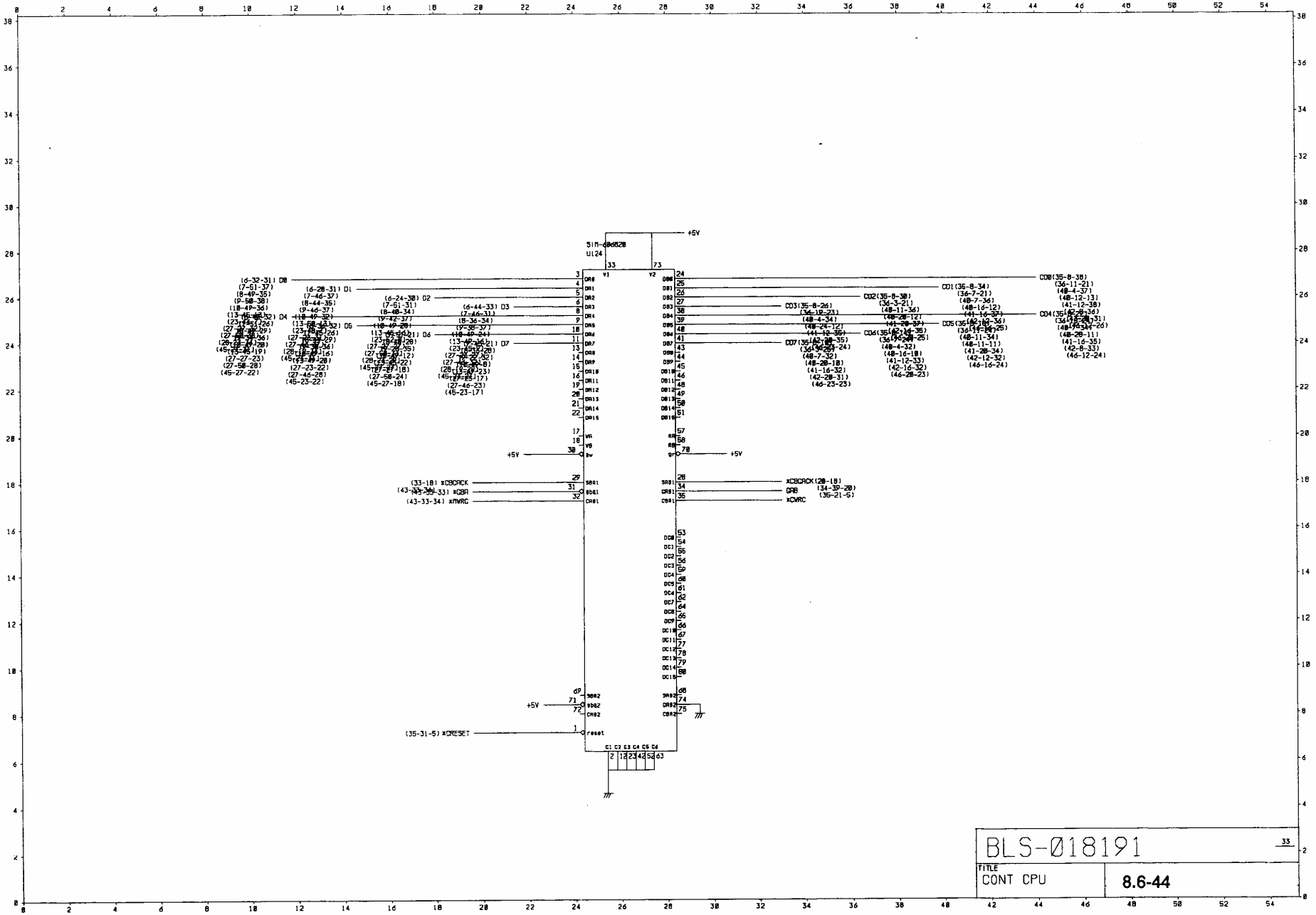

J1 CONNECTOR
ANALOG BUS CONNECT
FOR LOG/RF/IF/SYNTH
(JCR-AV064PX02)
(25-24-16) AA1
62
AA1
(25-24-15) AA3
60
AA3
(25-24-14) AA5
58
AA5
(25-24-13) AA7
56
AA7
(25-24-8) AAP
54
AAP
(25-24-36) AD0
50
AD0
(25-24-35) AD2
48
AD2
(25-24-34) AD4
46
AD4
(25-24-34) AD6
44
AD6
(5-44-19) xCSLOG
40
xCSLOG
(5-44-18) xCSIF1
38
xCSIF1
(5-44-17) xCSSYN
36
xCSSYN
(25-24-8) xAAD
34
xAAD
J1
JCR-AV064PX02
(25-24-16) AA2
61
AA2
(25-24-15) AA4
59
AA4
(25-24-14) AA6
57
AA6
(25-24-13) AA8
55
AA8
J1
JCR-AV064PX02
(25-24-36) AD1
49
AD1
(25-24-35) AD3
47
AD3
(25-24-34) AD5
45
AD5
(25-24-33) AD7
43
AD7
(5-44-19) xCSRF
39
xCSRF
(5-44-18) xCSIF2
37
xCSIF2
(25-24-7) xRCWR
35
xRCWR
(25-24-7) xRWR
33
xRWR
J1
JCR-AV064PX02
BLS-018191
31
TITLE
CONT CPU
8.6-42




BLS-Ø18191 32

TITLE
CONT CPU

8.6-43

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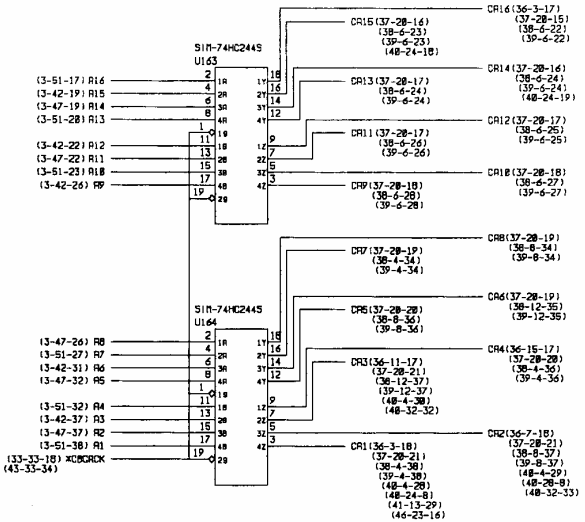
|---|---|
| BLS-018191 | 33 |
| TITLE<br>CONT CPU | 8.6-44 |

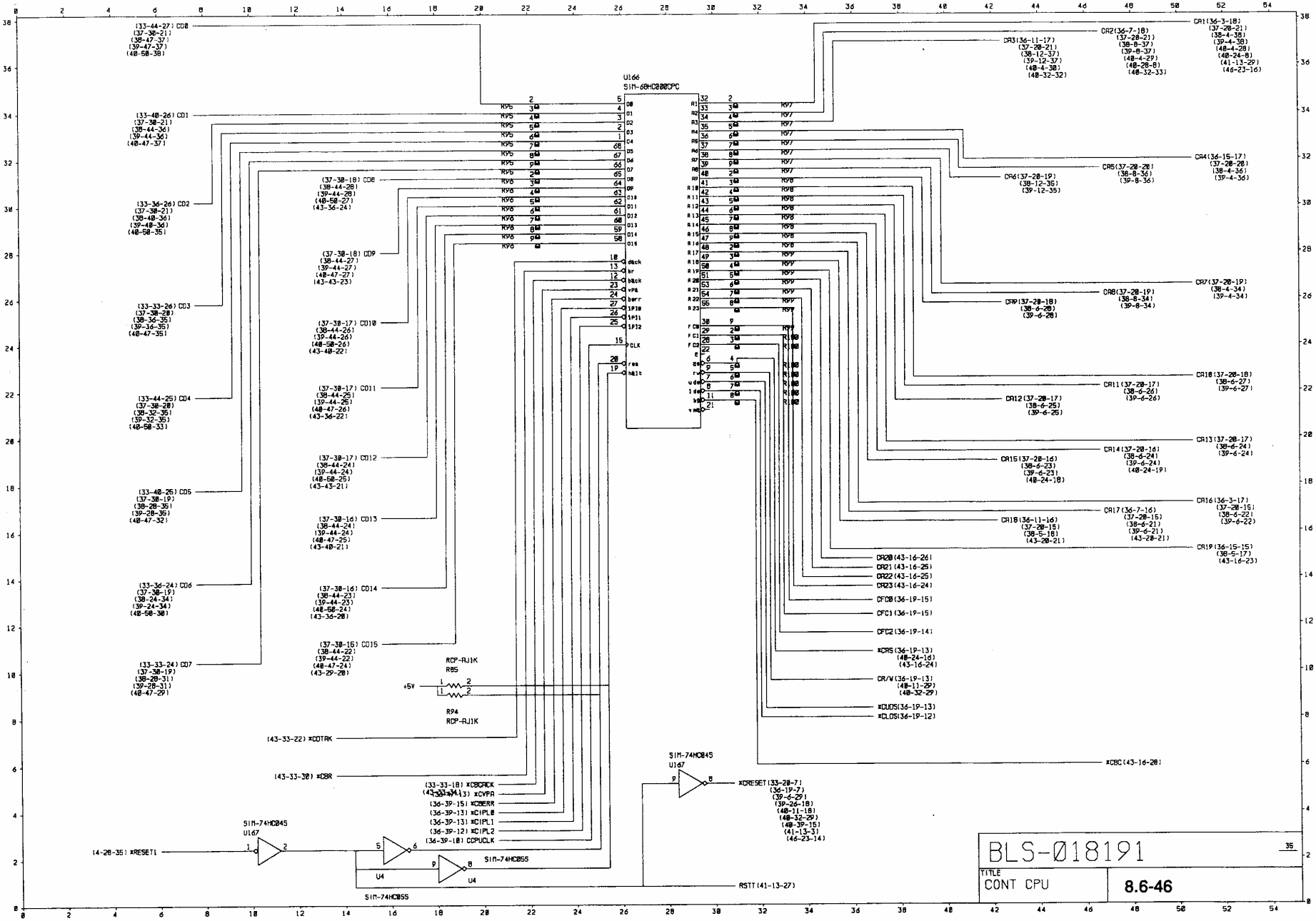


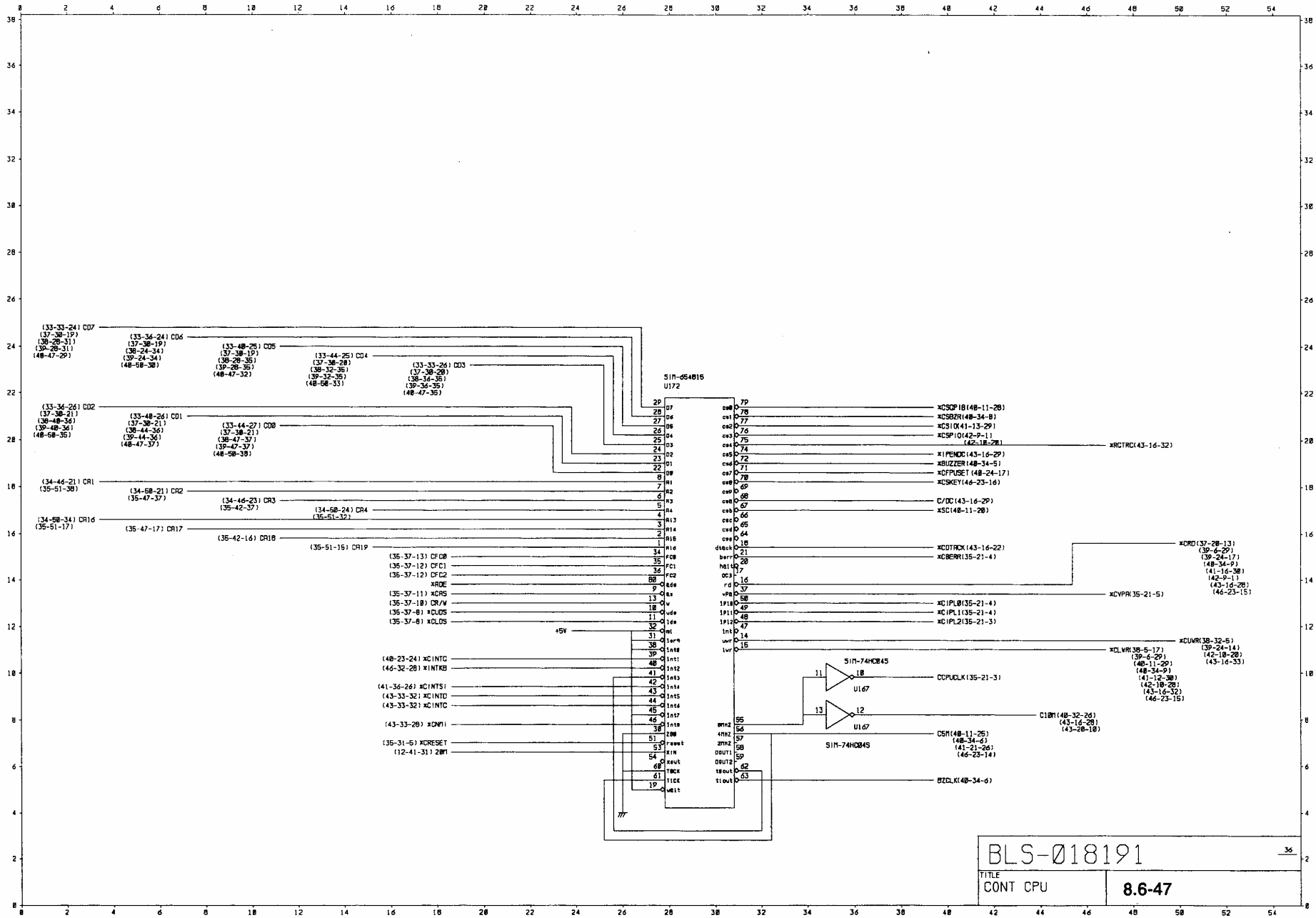

BLS-018191

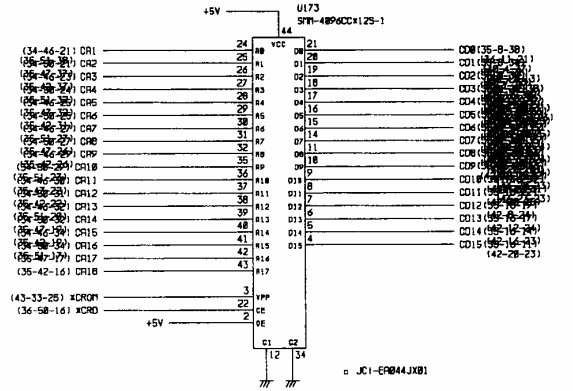
34

TITLE
CONT CPU

8.6-45


U166
SIM-68HC000CPC
RCP-RJ1K
R85
RP4
RCP-RJ1K
+5V
SIM-74HC04S
U167
SIM-74HC04S
U167
SIM-74HC08S
U4
SIM-74HC08S
U4
SIM-74HC04S
U167
(4-28-35) xRESET1
(43-33-22) xCDTRK
(43-33-30) xC8R
(33-33-18) xCBCACK
(43-33-13) xCVPA
(36-39-15) xCBERR
(36-39-13) xCIPL0
(36-39-13) xCIPL1
(36-39-12) xCIPL2
(36-39-18) CCPUCLK
xCBC(43-16-28)
xCRESET(33-28-7)
(36-19-7)
(39-6-29)
(39-26-18)
(40-11-18)
(40-32-29)
(40-39-15)
(41-13-31)
(46-23-14)
RSTT(41-13-27)
BLS-018191
35
TITLE
CONT CPU
8.6-46


SIM-654815
U172
SIM-74HC845
U167
SIM-74HC845
U167
xCSQP18(40-11-28)
xCSBZR(40-34-8)
xCSIO(41-13-29)
xCSPIO(42-9-1)
xRCTRC(43-16-32)
xIPENDC(43-16-29)
xBUZZER(40-34-5)
xCFPUSET(40-24-17)
xCSKEY(46-23-16)
C/DC(43-16-29)
xSC(40-11-28)
xCDTRCK(43-16-22)
xCBERR(35-21-4)
xCRD(37-28-13)
xCYPR(35-21-5)
xCIPL0(35-21-4)
xCIPL1(35-21-4)
xCIPL2(35-21-3)
xCUWR(38-32-5)
xCLWR(38-5-17)
CCPUCLK(35-21-3)
C10M(40-32-26)
OSM(40-11-25)
BZCLK(40-34-6)
+5V
xRDE
xCRS
CR/W
xCUDS
xCLDS
xCINTC
xINTKB
xCINTS1
xCINTD
xCINTC
xCNMI
xCRESET
20M
BLS-018191
36
TITLE
CONT CPU
8.6-47

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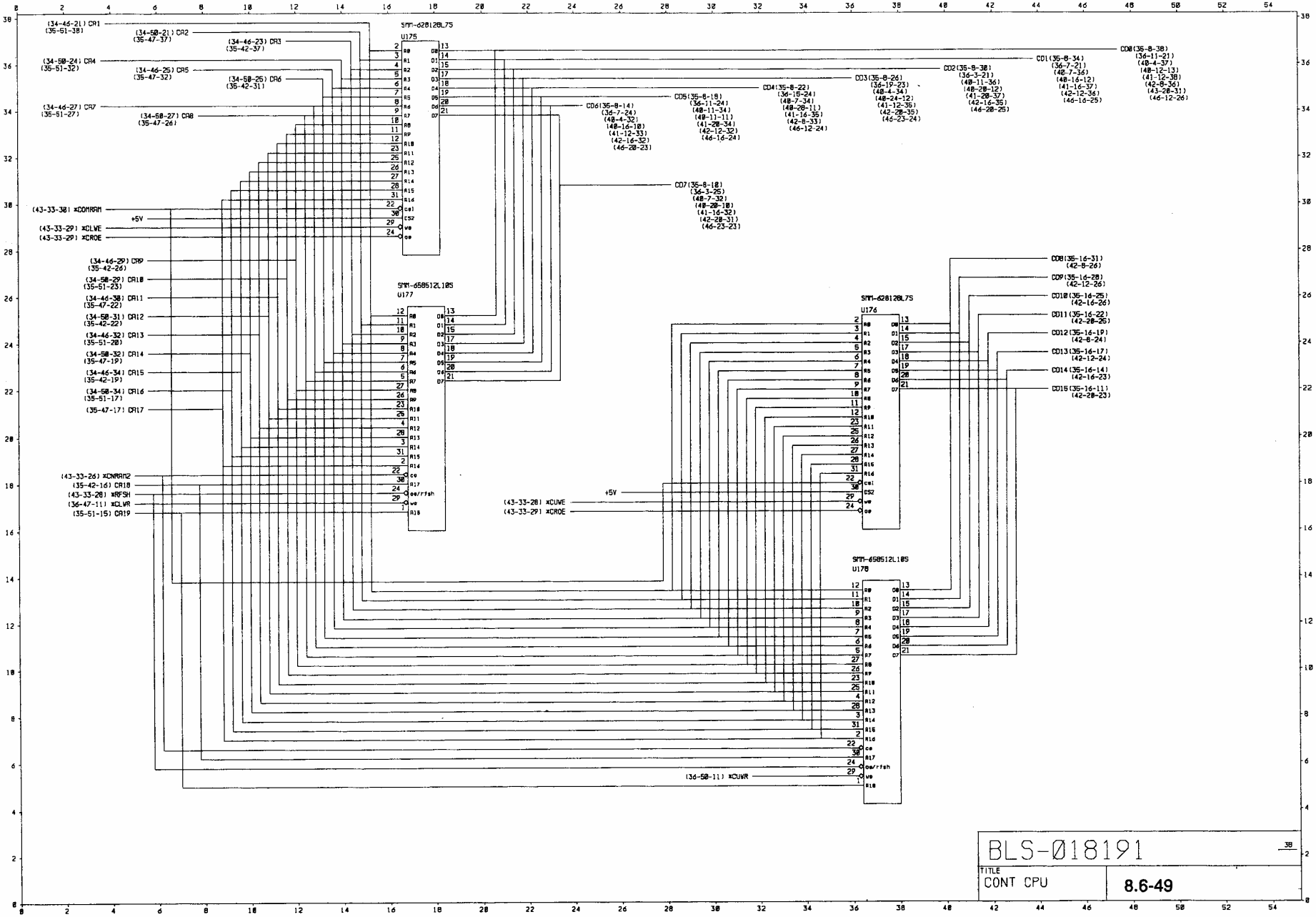
|---|---|
| BLS-Ø18191 | 37 |
| TITLE: CONT CPU | 8.6-48 |


SMM-628128L7S
U175
SMM-658512L10S
U177
SMM-628128L7S
U176
SMM-658512L10S
U178
(34-46-21) CR1
(35-51-38)
(34-50-21) CR2
(35-47-37)
(34-46-23) CR3
(35-42-37)
(34-50-24) CR4
(35-51-32)
(34-46-25) CR5
(35-47-32)
(34-50-26) CR6
(35-42-31)
(34-46-27) CR7
(35-51-27)
(34-50-27) CR8
(35-47-26)
(34-46-29) CR9
(35-42-26)
(34-50-29) CR10
(35-51-25)
(34-46-30) CR11
(35-47-22)
(34-50-31) CR12
(35-42-22)
(34-46-32) CR13
(35-51-20)
(34-50-32) CR14
(35-47-19)
(34-46-34) CR15
(35-42-19)
(34-50-34) CR16
(35-51-17)
(35-47-17) CR17
(35-42-16) CR18
(35-51-15) CR19
(43-33-38) XCOMRAM
(43-33-29) XCLWE
(43-33-29) XCROE
(43-33-26) XCNRAM2
(43-33-28) XRFSH
(36-47-11) XCLWR
+5V
(43-33-28) XCUWE
(43-33-29) XCROE
(36-50-11) XCUWR
CD0(35-8-38)
(36-11-21)
(40-4-37)
(40-12-13)
(41-12-38)
(42-8-36)
(43-20-31)
(46-12-26)
CD1(35-8-34)
(36-7-21)
(40-7-36)
(40-16-12)
(41-16-37)
(42-12-36)
(46-16-25)
CD2(35-8-38)
(36-3-21)
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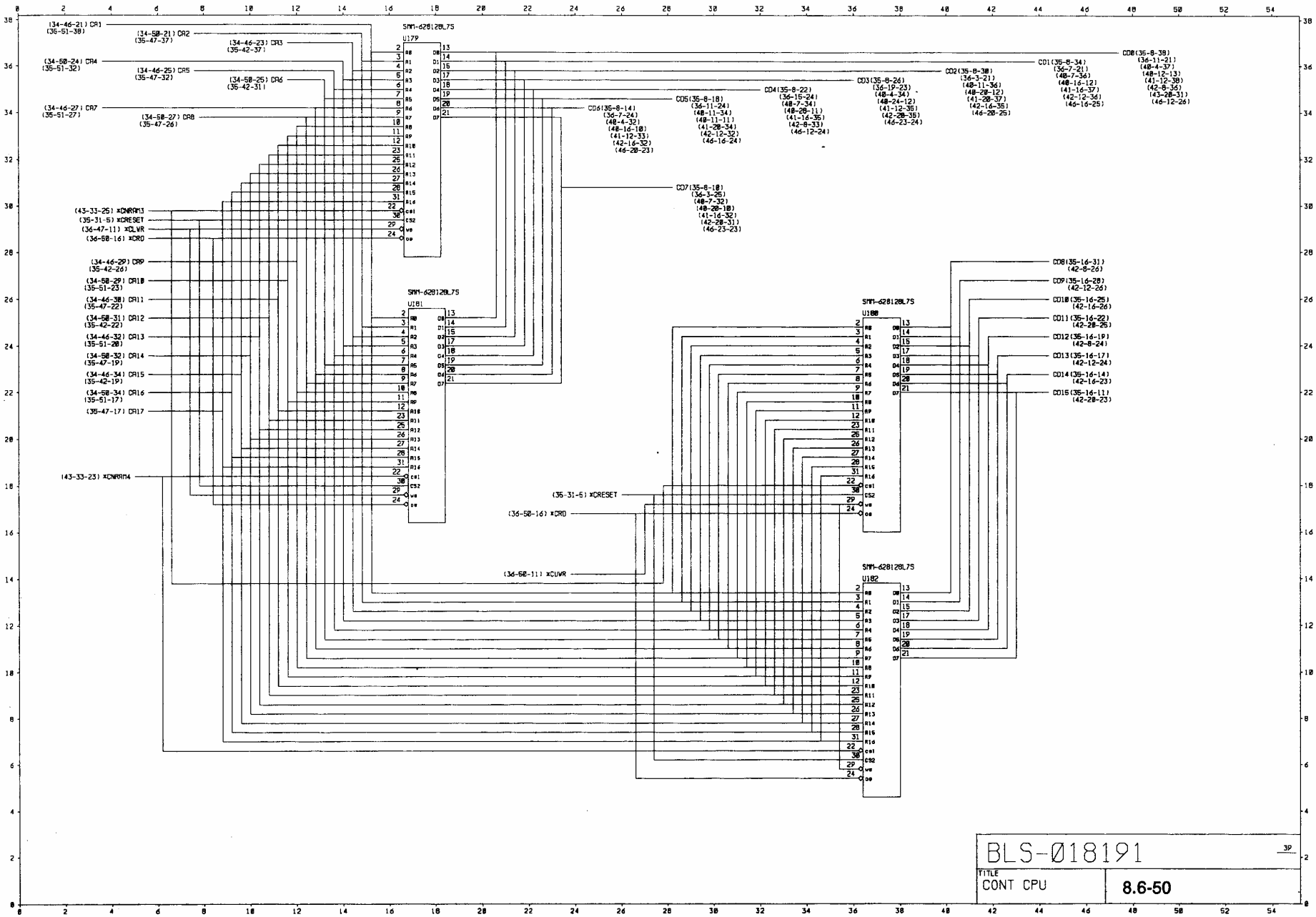
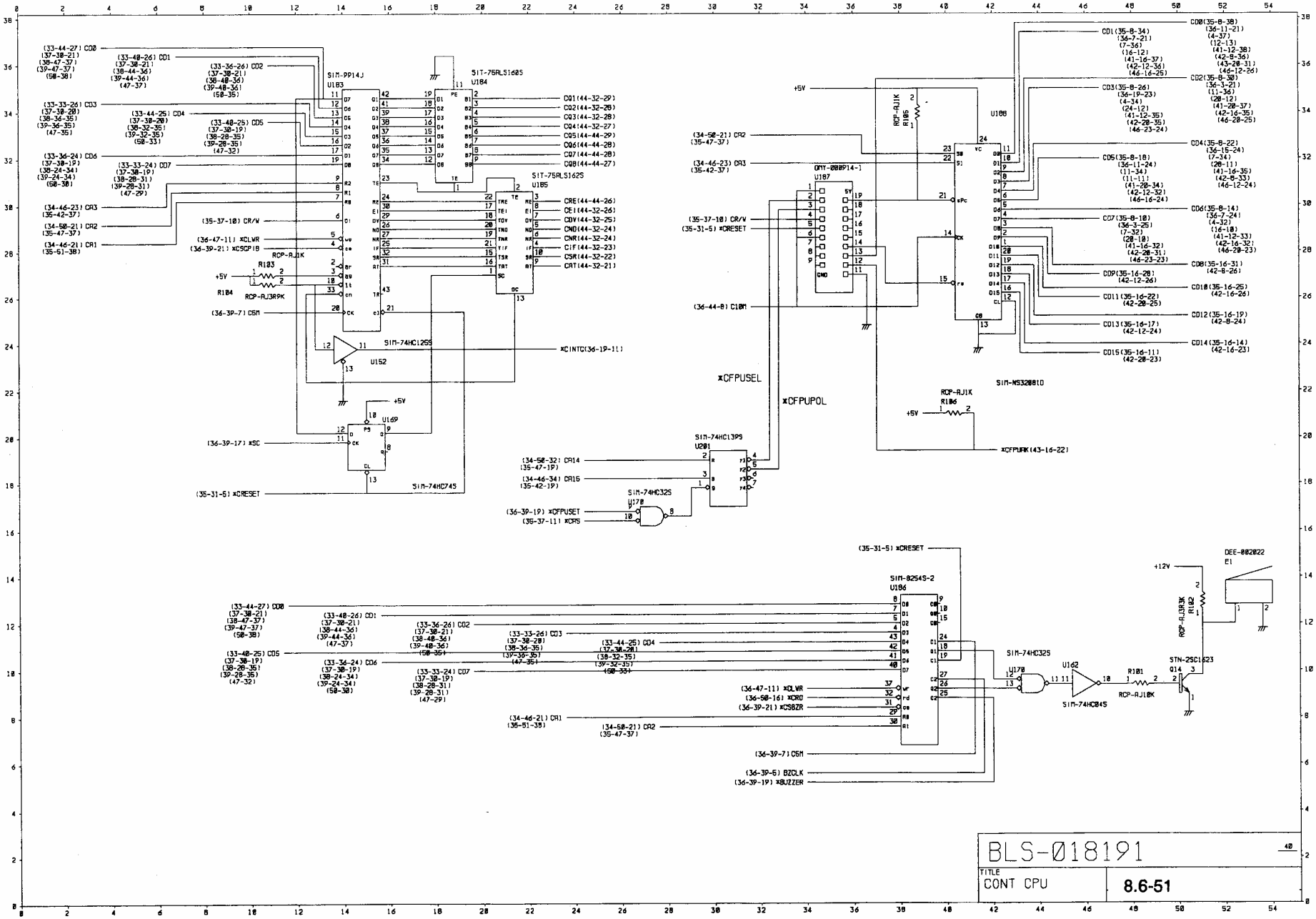
(40-20-12)
(41-20-37)
(42-16-35)
(46-20-25)
CD3(35-8-26)
(36-19-23)
(40-4-34)
(40-24-12)
(41-12-35)
(42-20-35)
(46-23-24)
CD4(35-8-22)
(36-15-24)
(40-7-34)
(40-20-11)
(41-16-35)
(42-8-33)
(46-12-24)
CD5(35-8-18)
(36-11-24)
(40-11-34)
(40-11-11)
(41-20-34)
(42-12-32)
(46-16-24)
CD6(35-8-14)
(36-7-24)
(40-4-32)
(40-16-10)
(41-12-33)
(42-16-32)
(46-20-23)
CD7(35-8-10)
(36-3-25)
(40-7-32)
(40-20-10)
(41-16-32)
(42-20-31)
(46-23-23)
CD8(35-16-31)
(42-8-26)
CD9(35-16-28)
(42-12-26)
CD10(35-16-25)
(42-16-26)
CD11(35-16-22)
(42-20-25)
CD12(35-16-19)
(42-8-24)
CD13(35-16-17)
(42-12-24)
CD14(35-16-14)
(42-16-23)
CD15(35-16-11)
(42-20-23)
BLS-018191
38
TITLE
CONT CPU
8.6-49


SMM-628128L7S
U179
U181
U180
U182
(34-46-21) CR1 (35-51-38)
(34-50-21) CR2 (35-47-37)
(34-46-23) CR3 (35-42-37)
(34-50-24) CR4 (35-51-32)
(34-46-25) CR5 (35-47-32)
(34-50-25) CR6 (35-42-31)
(34-46-27) CR7 (35-51-27)
(34-50-27) CR8 (35-47-26)
(34-46-29) CR9 (35-42-26)
(34-50-29) CR10 (35-51-23)
(34-46-30) CR11 (35-47-22)
(34-50-31) CR12 (35-42-22)
(34-46-32) CR13 (35-51-20)
(34-50-32) CR14 (35-47-19)
(34-46-34) CR15 (35-42-19)
(34-50-34) CR16 (35-51-17)
(35-47-17) CR17
(43-33-25) xCNRAM3
(35-31-5) xCRESET
(36-47-11) xCLWR
(36-50-16) xCRD
(34-46-29) CR9 (35-42-26)
(34-50-29) CR10 (35-51-23)
(34-46-30) CR11 (35-47-22)
(34-50-31) CR12 (35-42-22)
(34-46-32) CR13 (35-51-20)
(34-50-32) CR14 (35-47-19)
(34-46-34) CR15 (35-42-19)
(34-50-34) CR16 (35-51-17)
(35-47-17) CR17
(43-33-23) xCNRAM4
(35-31-5) xCRESET
(36-50-16) xCRD
(36-50-11) xCLWR
CD0(35-8-38) (36-11-21) (40-4-37) (40-12-13) (41-12-38) (42-8-35) (43-28-31) (46-12-26)
CD1(35-8-34) (36-7-21) (40-7-36) (40-16-12) (41-16-37) (42-12-36) (46-16-25)
CD2(35-8-38) (36-3-21) (40-11-36) (40-28-12) (41-28-37) (42-16-35) (46-28-25)
CD3(35-8-26) (36-19-23) (40-4-34) (40-24-12) (41-12-38) (42-28-35) (46-23-24)
CD4(35-8-22) (36-15-24) (40-7-34) (40-28-11) (41-16-35) (42-8-33) (46-12-24)
CD5(35-8-18) (36-11-24) (40-11-34) (40-11-11) (41-28-34) (42-12-32) (46-16-24)
CD6(35-8-14) (36-7-24) (40-4-32) (40-16-10) (41-12-33) (42-16-32) (46-20-23)
CD7(35-8-10) (36-3-25) (40-7-32) (40-20-10) (41-16-32) (42-28-31) (46-23-23)
CD8(35-16-31) (42-8-26)
CD9(35-16-28) (42-12-26)
CD10(35-16-25) (42-16-26)
CD11(35-16-22) (42-28-25)
CD12(35-16-19) (42-8-24)
CD13(35-16-17) (42-12-24)
CD14(35-16-14) (42-16-23)
CD15(35-16-11) (42-28-23)
BLS-018191
39
TITLE
CONT CPU
8.6-50

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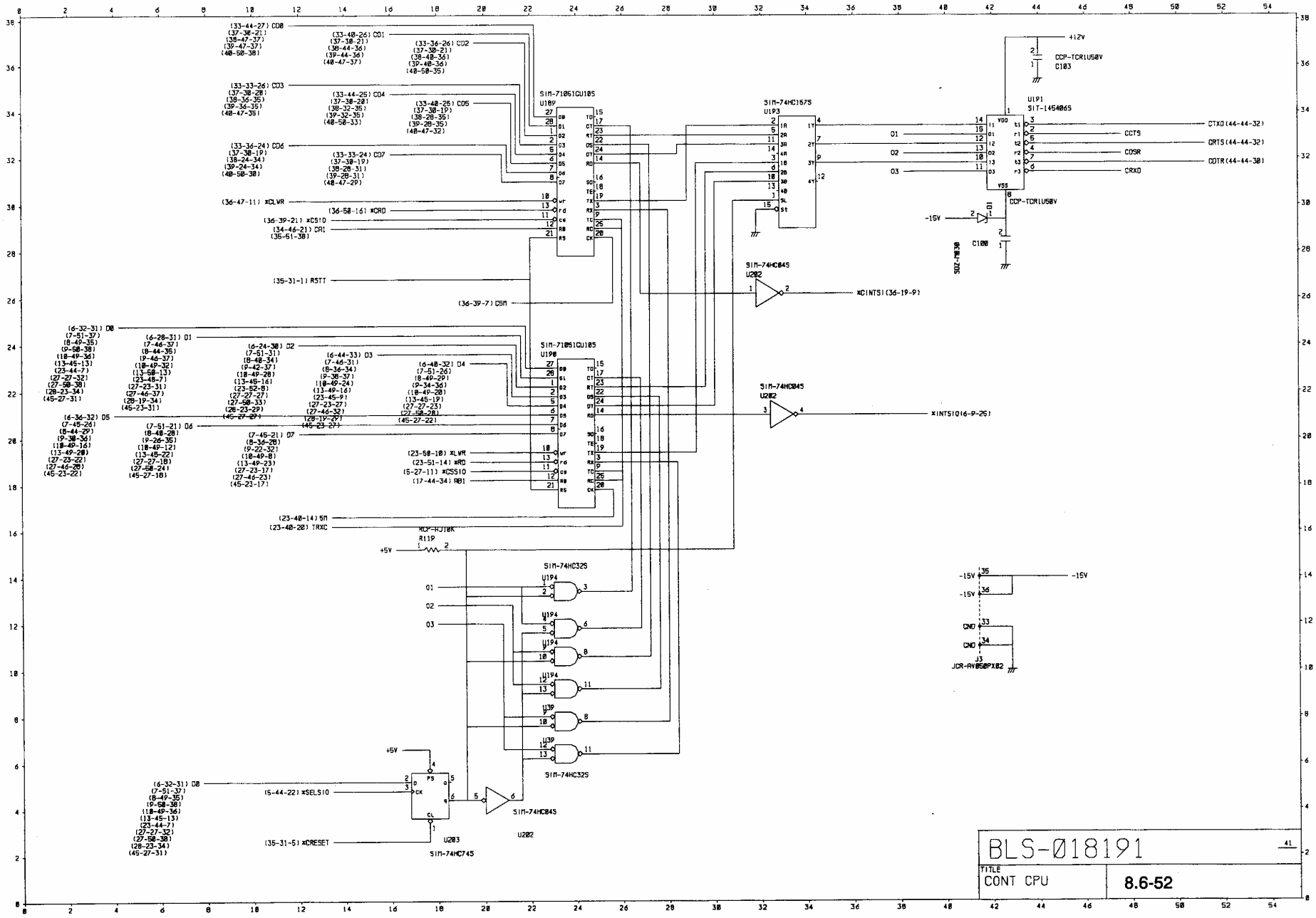
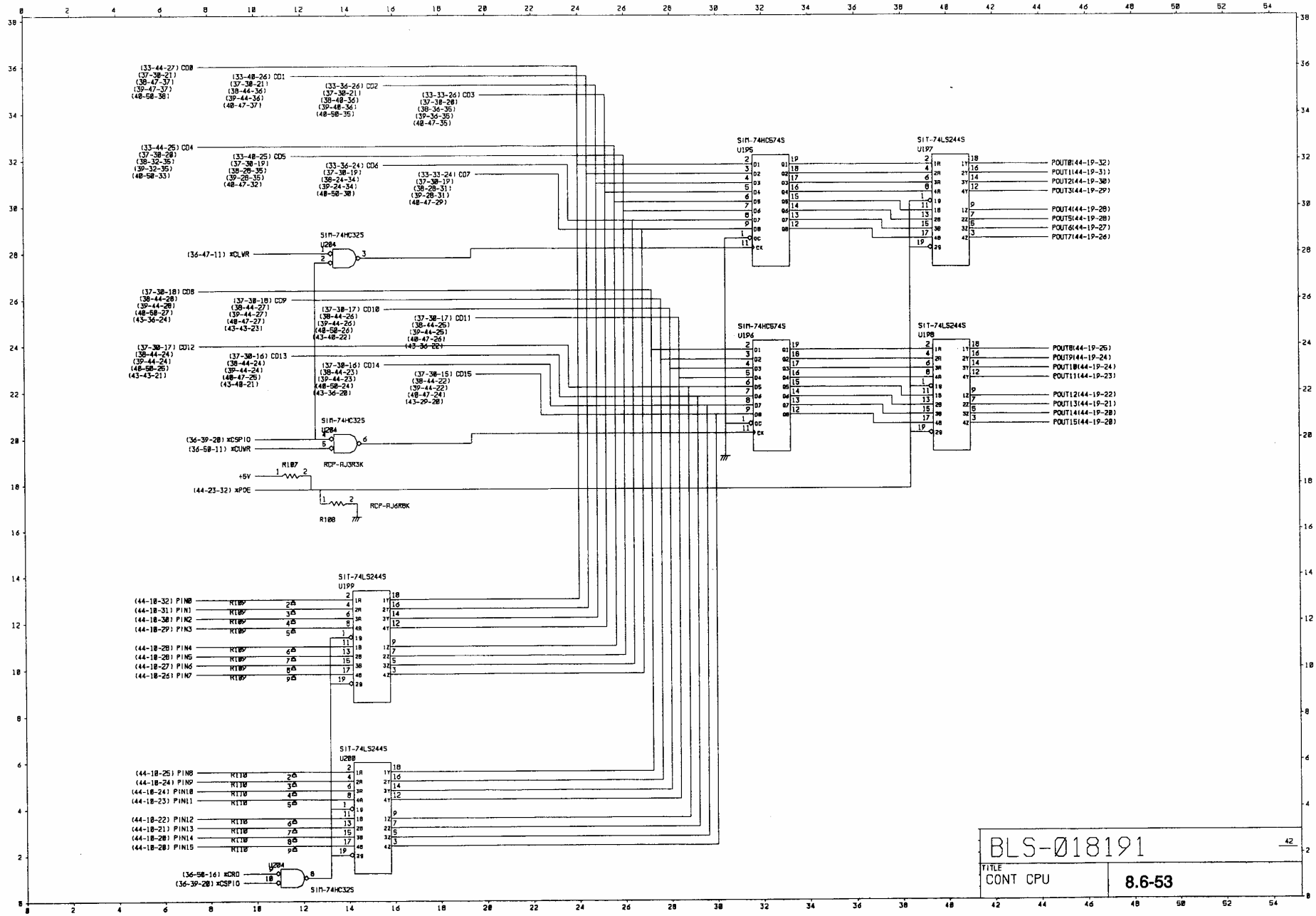
40

TITLE
CONT CPU

8.6-51

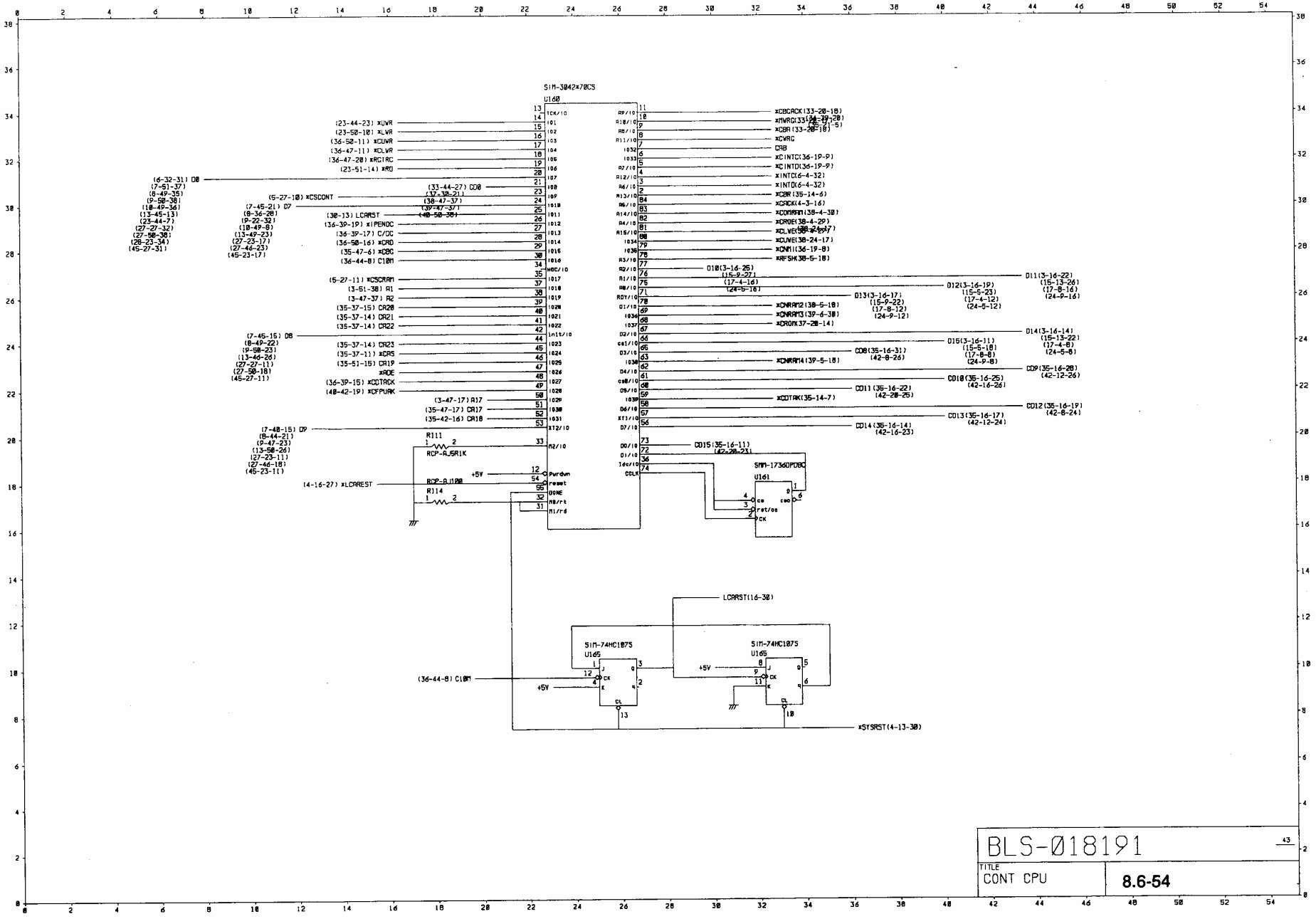

SIM-71051GU10S
U189
SIM-71051GU10S
U190
SIM-74HC157S
U193
SIT-1454065
U191
SIM-74HC845
U202
SIM-74HC845
U202
SIM-74HC845
U202
SIM-74HC32S
U194
SIM-74HC32S
U39
SIM-74HC74S
U203
CCP-TCR1U50V
C103
CCP-TCR1U50V
C100
RCP-RJ10K
R119
JCR-AV050PX02
J3
BLS-018191
41
TITLE
CONT CPU
8.6-52

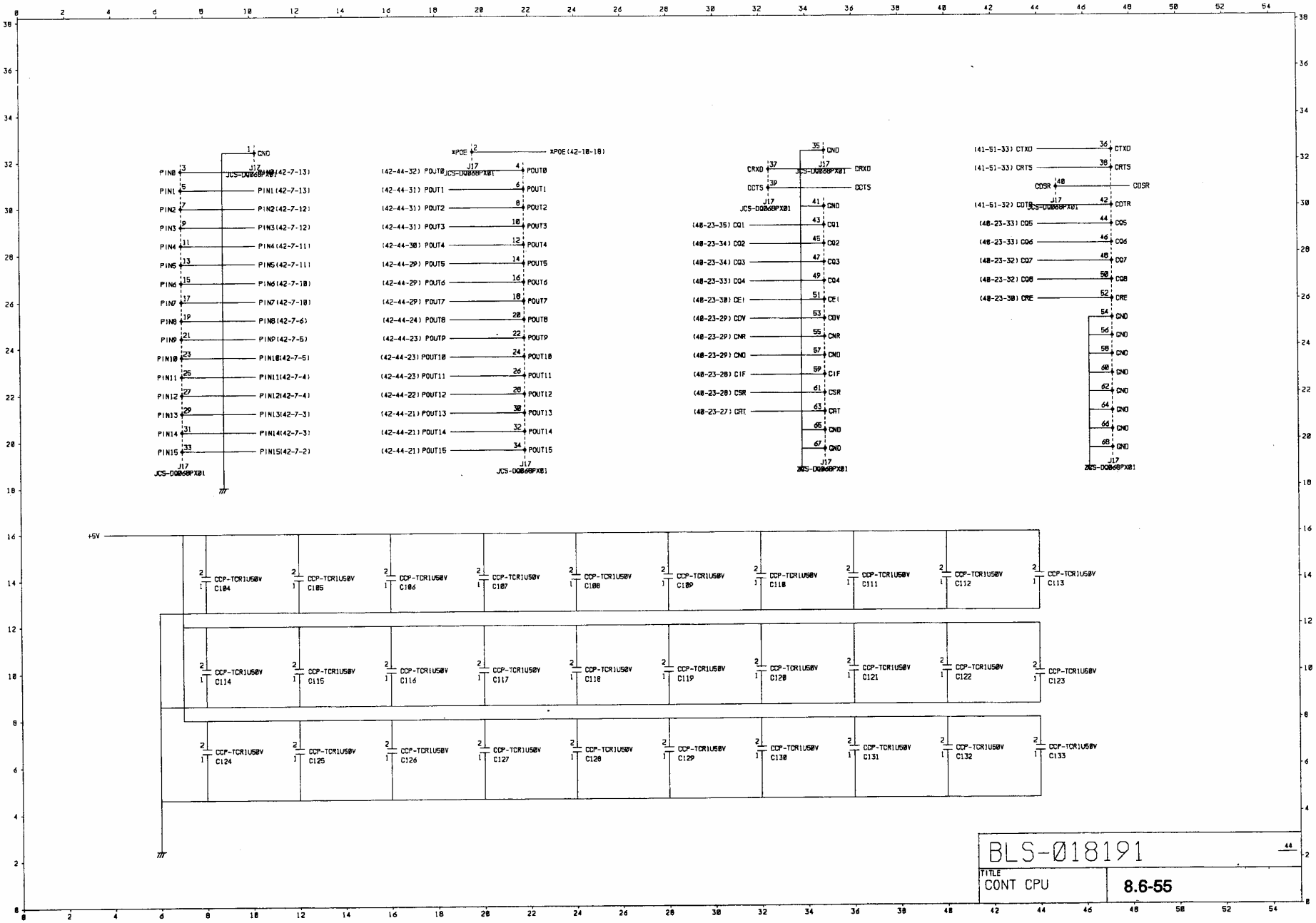



BLS-Ø18191 42

TITLE CONT CPU

8.6-53

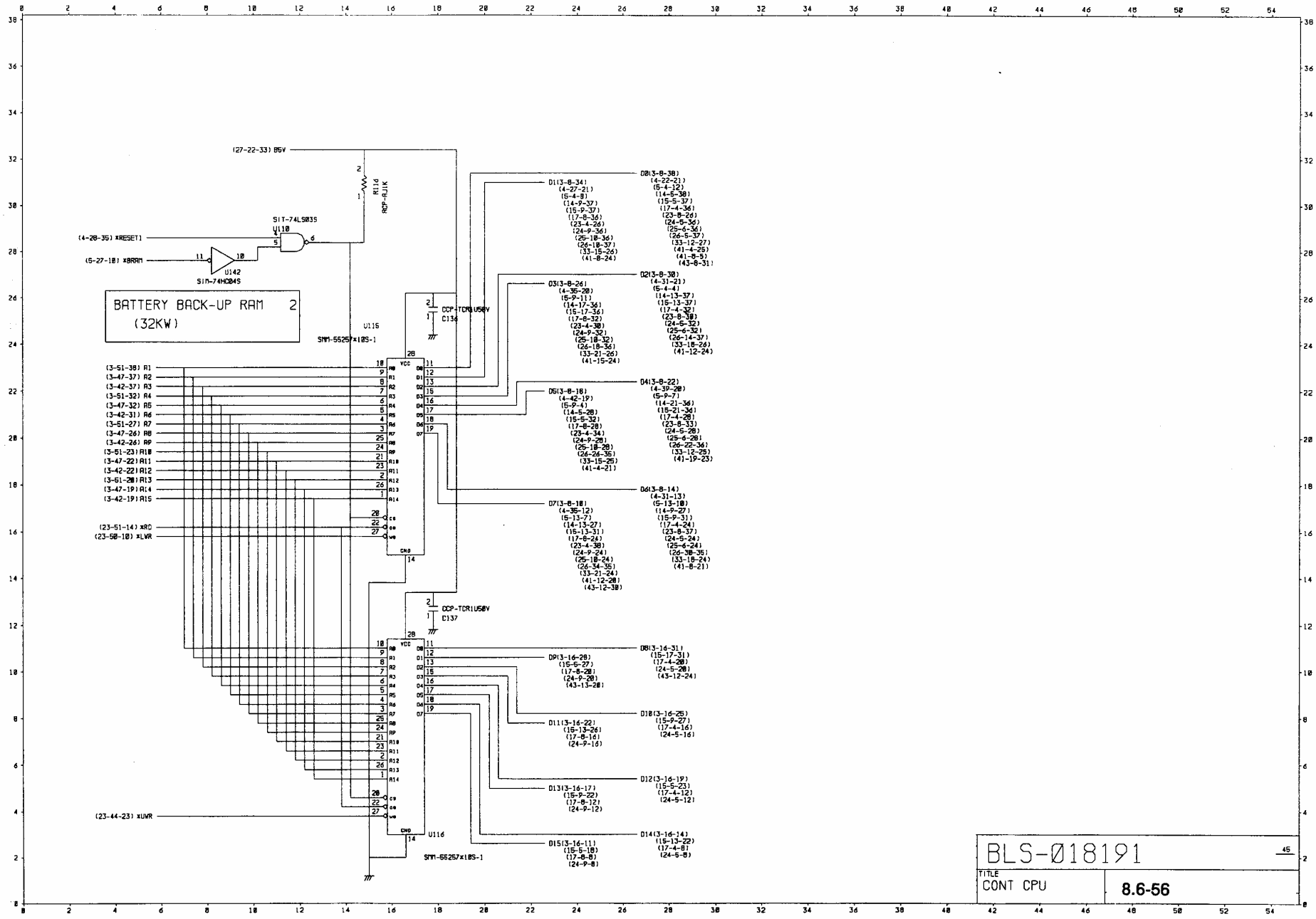

SIM-3842x70CS
U160
SIM-74HC107S
U165
SIM-74HC107S
U165
SIM-17360PDBC
U161
R111
RCP-A_5R1K
R114
RCP-A_10R
+5V
LCARST(16-30)
(36-44-8) C10M
xSYSRST(4-13-30)
BLS-018191
43
TITLE
CONT CPU
8.6-54

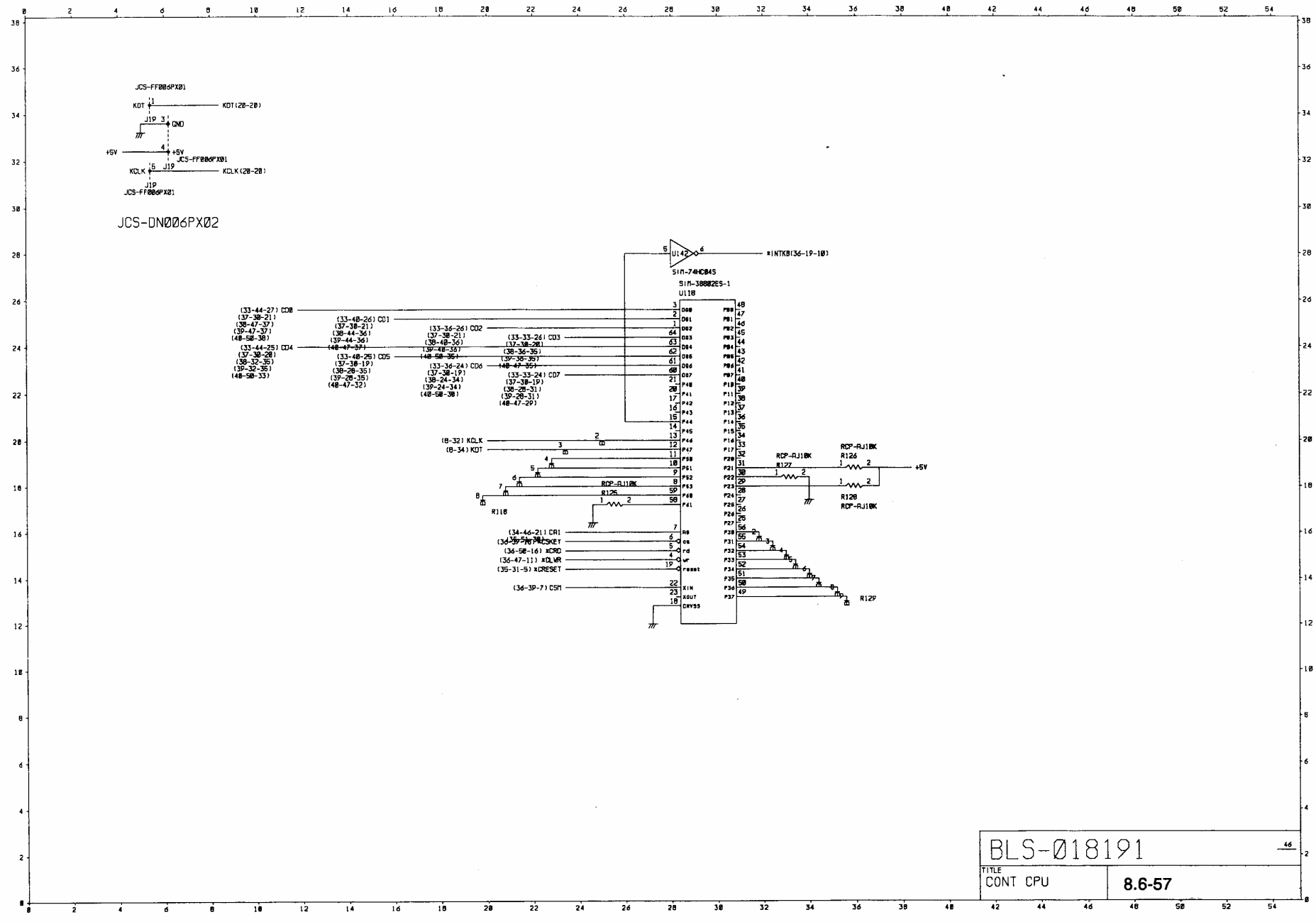


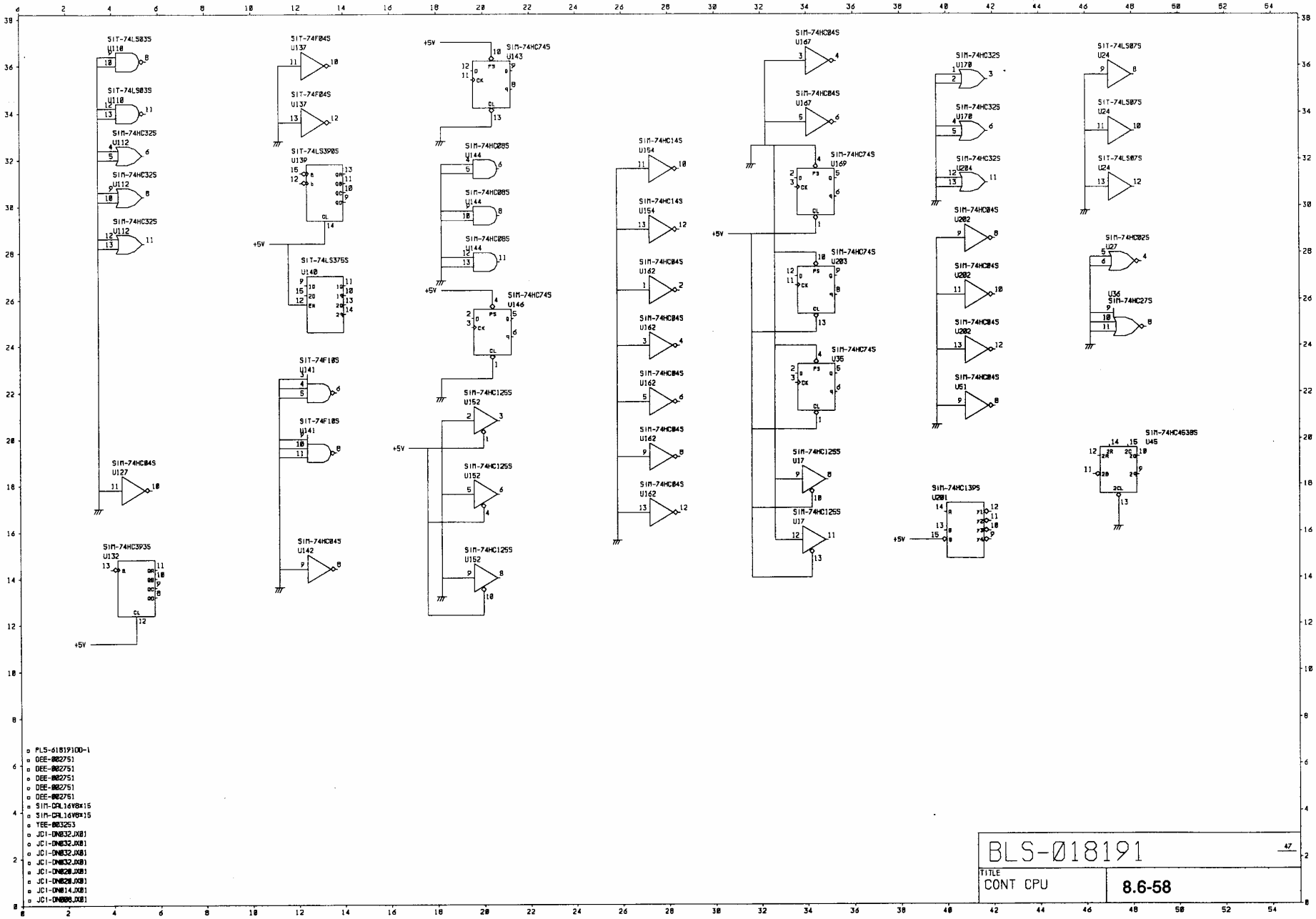

BLS-018191

TITLE
CONT CPU

8.6-55

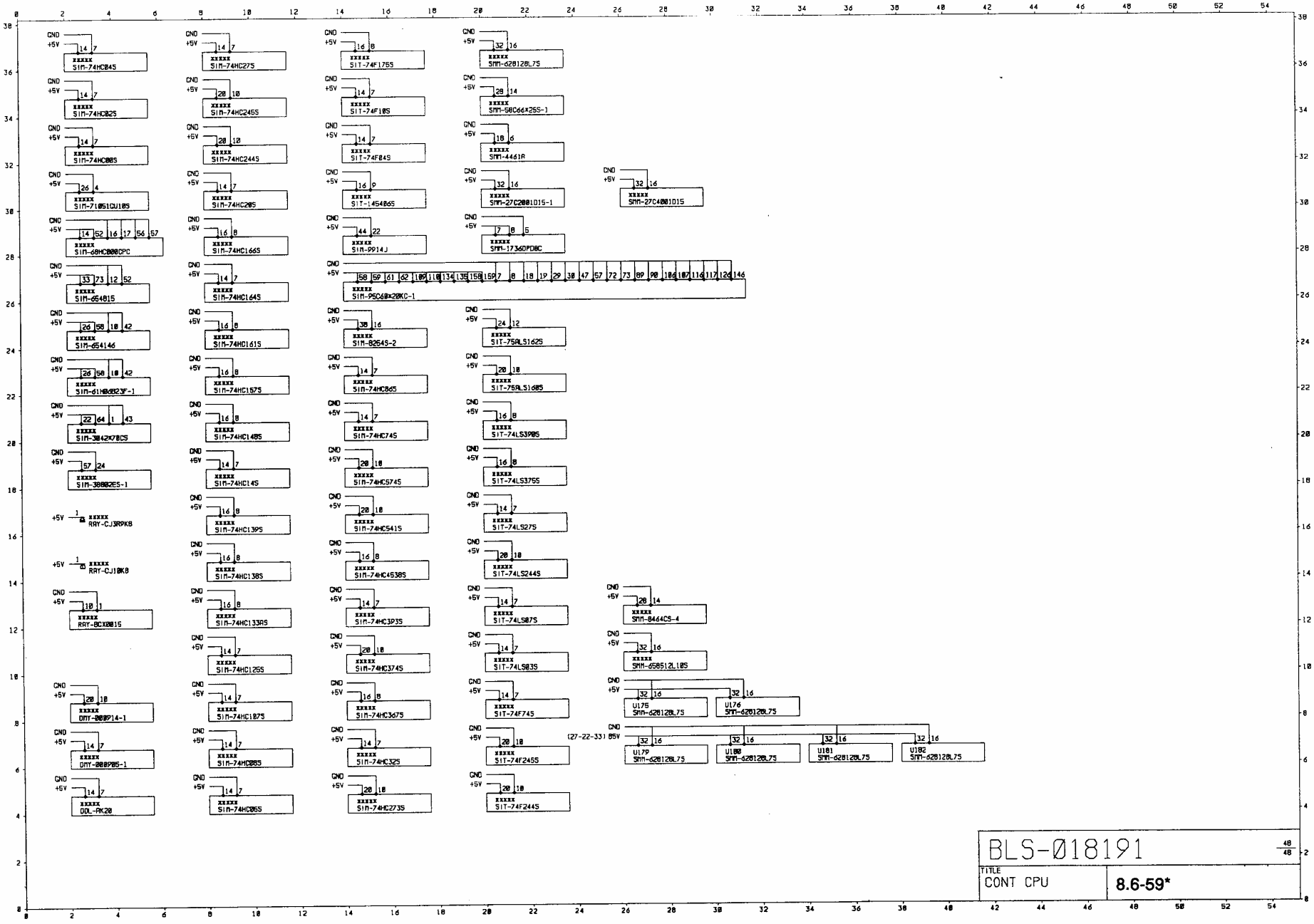

BATTERY BACK-UP RAM 2
(32KW)
(27-22-33) B5V
R114
RCP-4L1K
SIT-74LS03S
U110
(4-28-35) xRESET1
(5-27-18) xBRAM
U142
SIN-74HC04S
U116
SNM-55257x10S-1
CCP-TCR1U50V
C136
C137
(3-51-38) A1
(3-47-37) A2
(3-42-37) A3
(3-51-32) A4
(3-47-32) A5
(3-42-31) A6
(3-51-27) A7
(3-47-26) A8
(3-42-26) A9
(3-51-23) A10
(3-47-22) A11
(3-42-22) A12
(3-51-20) A13
(3-47-19) A14
(3-42-19) A15
(23-51-14) xRD
(23-50-10) xLWR
(23-44-23) xUWR
D0(3-8-38) (4-22-21) (5-4-12) (14-5-38) (15-5-37) (17-4-36) (23-8-26) (24-5-36) (25-6-36) (26-5-37) (33-12-27) (41-4-25) (41-8-5) (43-8-31)
D1(3-8-34) (4-27-21) (5-4-8) (14-9-37) (15-9-37) (17-8-36) (23-4-26) (24-9-36) (25-10-36) (26-18-37) (33-15-26) (41-8-24)
D2(3-8-30) (4-31-21) (5-4-4) (14-13-37) (15-13-37) (17-4-32) (23-8-30) (24-5-32) (25-6-32) (26-14-37) (33-18-24) (41-12-24)
D3(3-8-26) (4-35-20) (5-9-11) (14-17-36) (15-17-36) (17-8-32) (23-4-38) (24-9-32) (25-10-32) (26-18-36) (33-21-26) (41-15-24)
D4(3-8-22) (4-39-28) (5-9-7) (14-21-36) (15-21-36) (17-4-28) (23-8-33) (24-5-28) (25-6-28) (26-22-36) (33-12-25) (41-19-23)
D5(3-8-18) (4-42-19) (5-9-4) (14-5-28) (15-5-32) (17-8-28) (23-4-34) (24-9-28) (25-10-28) (26-26-36) (33-15-25) (41-4-21)
D6(3-8-14) (4-31-13) (5-13-18) (14-9-27) (15-9-31) (17-4-24) (23-8-37) (24-5-24) (25-6-24) (26-38-35) (33-18-24) (41-8-21)
D7(3-8-10) (4-35-12) (5-13-7) (14-13-27) (15-13-31) (17-8-24) (23-4-38) (24-9-24) (25-10-24) (26-34-35) (33-21-24) (41-12-28) (43-12-38)
D8(3-16-31) (15-17-31) (17-4-28) (24-5-28) (43-12-24)
D9(3-16-28) (15-5-27) (17-8-28) (24-9-20) (43-13-28)
D10(3-16-25) (15-9-27) (17-4-16) (24-5-16)
D11(3-16-22) (15-13-26) (17-8-16) (24-9-16)
D12(3-16-19) (15-5-23) (17-4-12) (24-5-12)
D13(3-16-17) (15-9-22) (17-8-12) (24-9-12)
D14(3-16-14) (15-13-22) (17-4-8) (24-6-8)
D15(3-16-11) (15-5-18) (17-8-8) (24-9-8)
BLS-018191
45
TITLE
CONT CPU
8.6-56


JCS-FF006PX01
KDT
J1
KDT(20-20)
J19 3
GND
+5V
4
+5V
JCS-FF006PX01
KCLK
5
J19
KCLK(20-20)
J19
JCS-FF006PX01
JCS-DN006PX02
U142
SIM-74HC04S
*INTKB(36-19-10)
SIM-38802ES-1
U118
(33-44-27) CD0
(33-40-26) CD1
(33-36-26) CD2
(33-33-26) CD3
(33-44-25) CD4
(33-40-26) CD5
(33-36-24) CD6
(33-33-24) CD7
(8-32) KCLK
(8-34) KDT
RDP-RJ10K
R125
R118
R126
R127
R128
+5V
(34-46-21) CR1
(36-50-16) xCRD
(36-47-11) xDLWR
(35-31-5) xCRESET
(36-39-7) CSM
XIN
XOUT
DRVSS
R129
BLS-018191
46
TITLE
CONT CPU
8.6-57




- PLS-61819100-1
- DEE-002751
- DEE-002751
- DEE-002751
- DEE-002751
- DEE-002751
- SIM-CPL16V8*15
- SIM-CPL16V8*15
- YEE-003253
- JC1-DN832.JX01
- JC1-DN832.JX01
- JC1-DN832.JX01
- JC1-DN832.JX01
- JC1-DN828.JX01
- JC1-DN828.JX01
- JC1-DN814.JX01
- JC1-DN806.JX01

| | |
|---|---|
| BLS-018191 | 47 |
| TITLE: CONT CPU | 8.6-58 |


BLS-Ø18191
48/48
TITLE
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8.6-59*