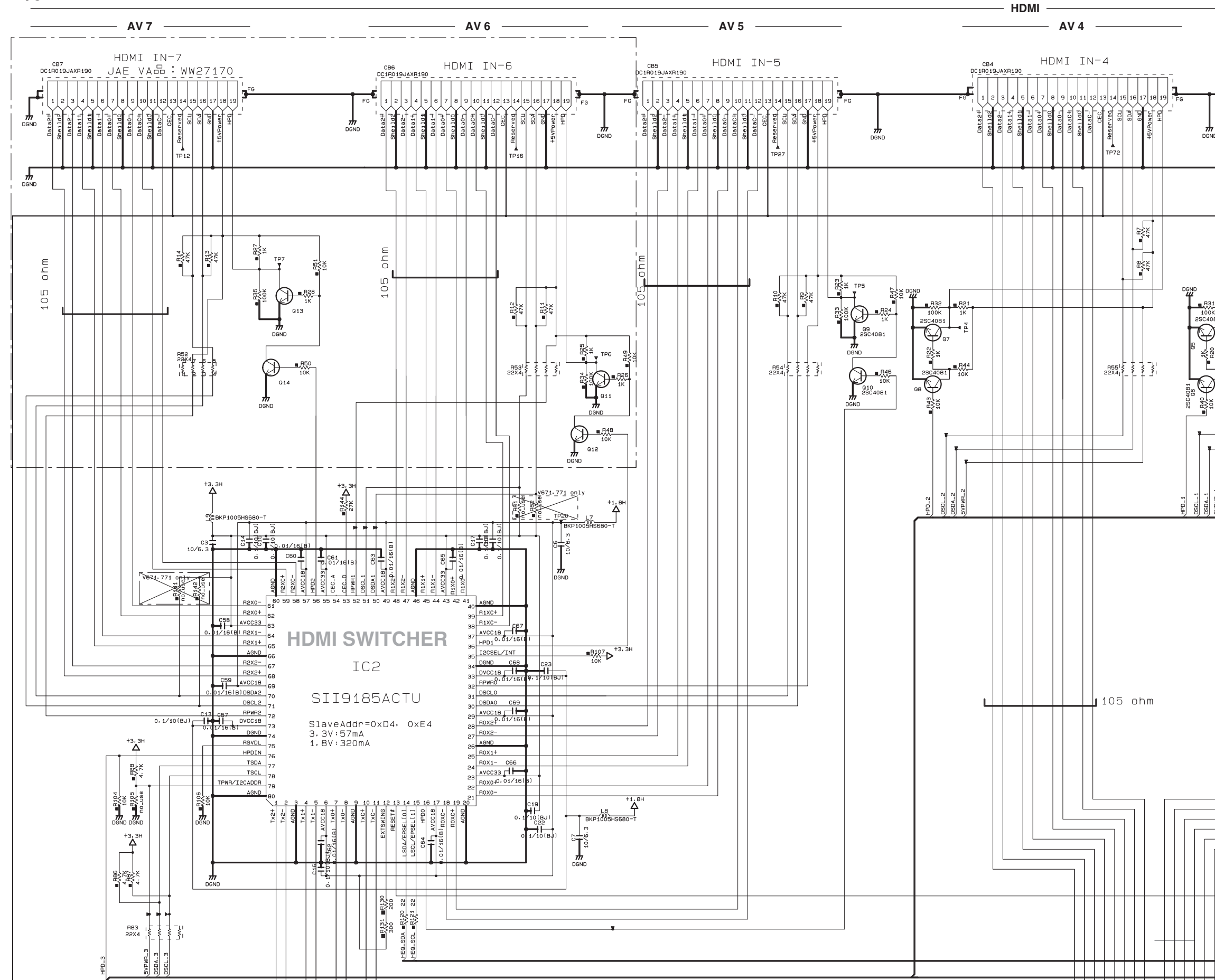
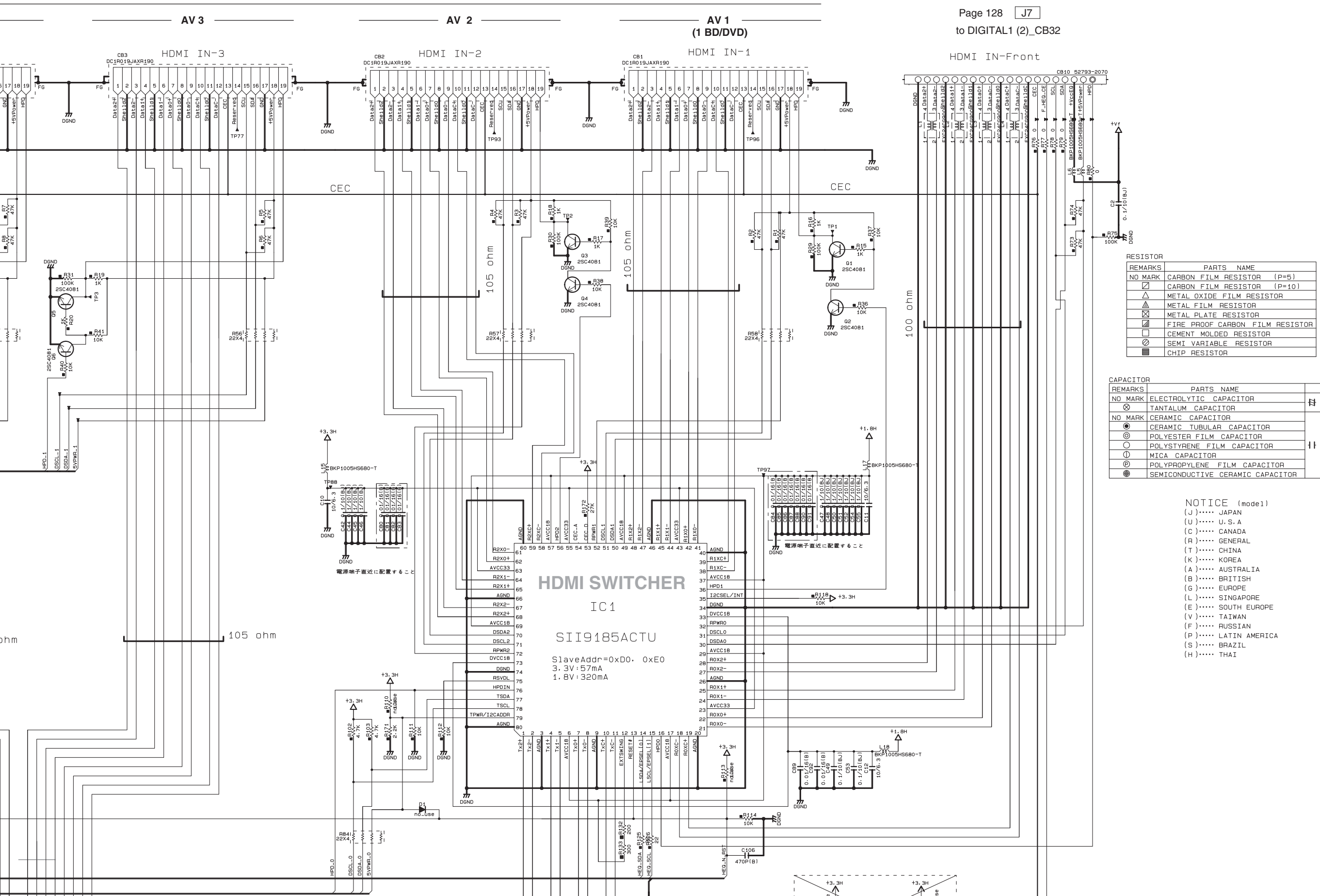




A	B
C	D



6

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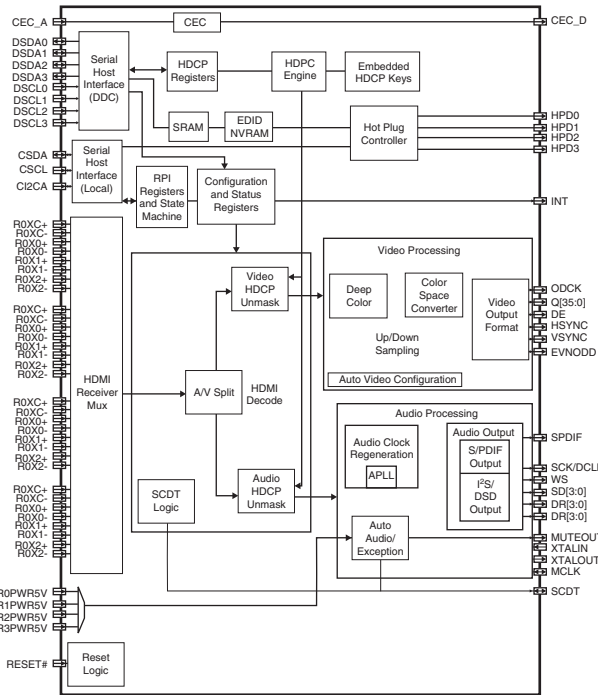
10

RX-A3010/RX-V3071

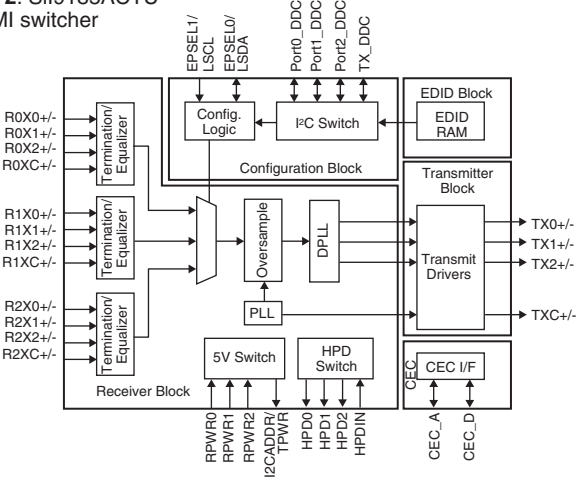
A	B
C	D

DIGITAL1 1/9

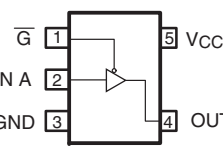
IC3: SiI9233ACTU
HDMI receiver



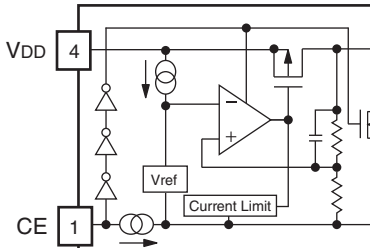
IC1, 2: SiI9185ACTU
HDMI switcher



IC4: TC7SH125FU
Bus buffer



IC5: RP130Q121D-TR-F
Voltage regulator



Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	Vout	Output Pin
4	Vdd	Input Pin

HDMI RECEIVER

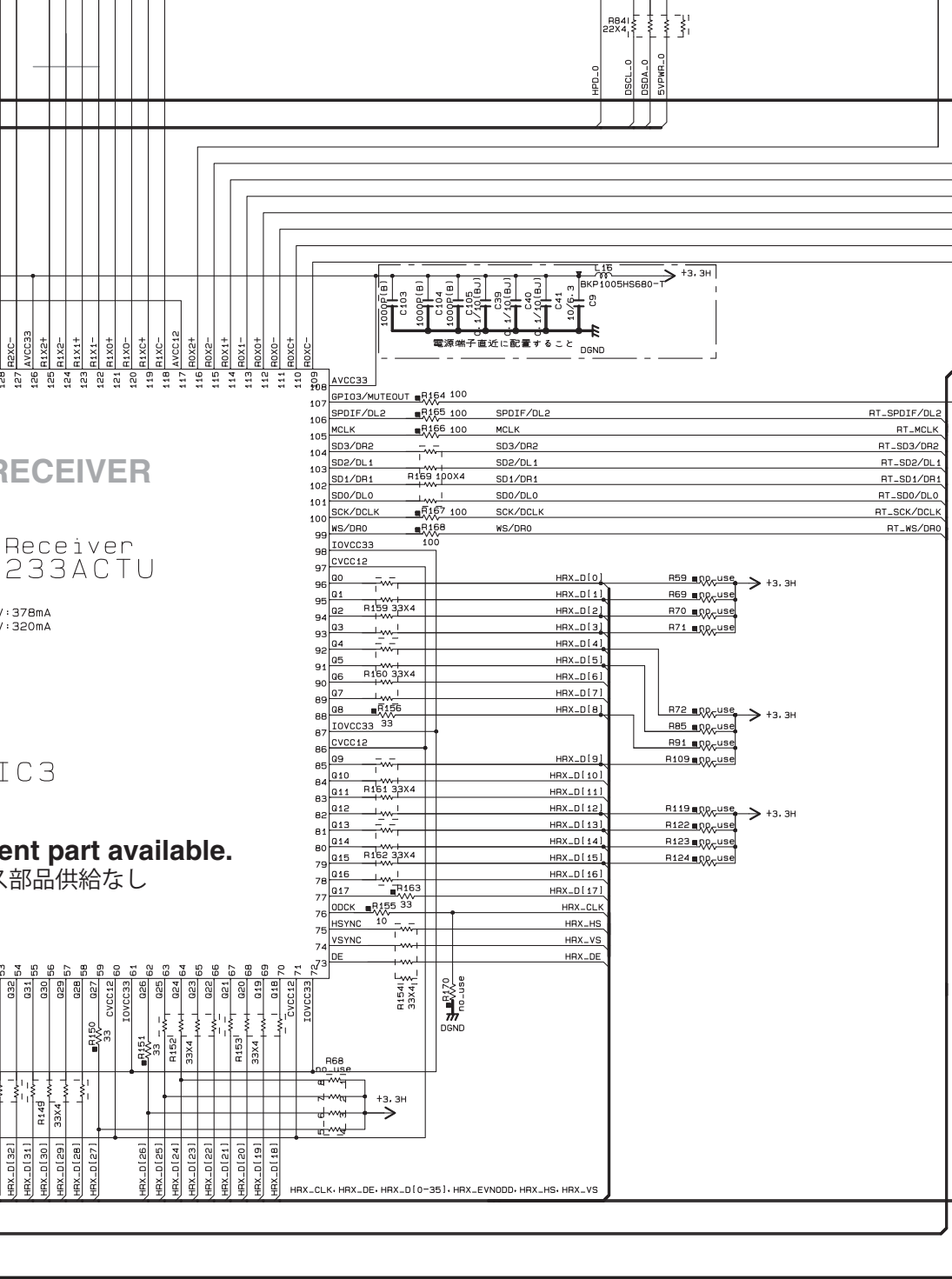
HDMI Receiver
SiI9233ACTU

GPIO使用候補
GP0/XCL: 3.3V: 378mA
GP1/SCD: 1.2V: 320mA
GP2/EVN: 3.3V: 378mA
GP3/MT0: 1.2V: 320mA
GP4: RX-CEC-RY1
GP5: RX-CEC-RY2
GP6/DL3: SHT1_PON
GP7/DR3: SHT2_PON

IC3

Local I2C add
Low: 0x50/68
High: 0x62/6A

No replacement part av
サービス部品供給な



RECEIVER

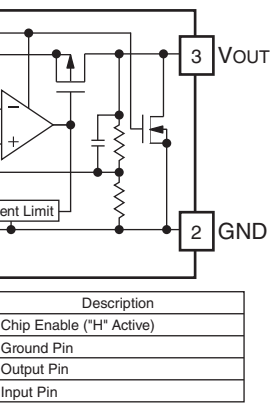
Receiver
233ACTU

V: 378mA
V: 320mA

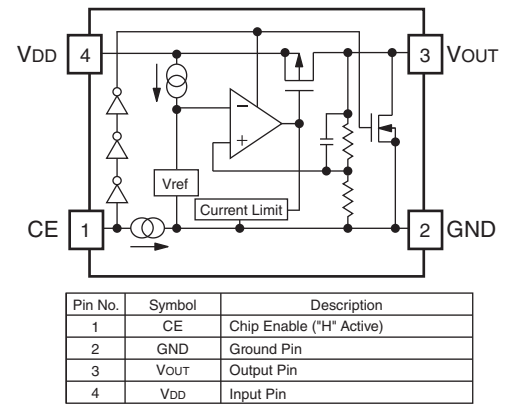
IC3

ent part available.
部品供給なし

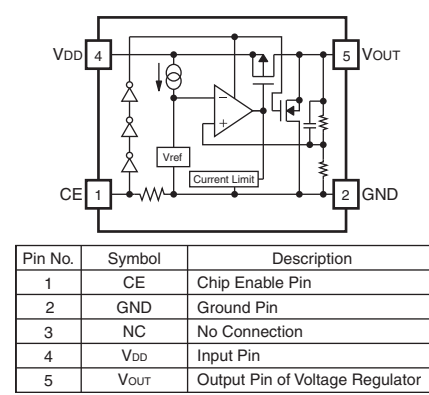
D-TR-F



IC6: RP130Q501D-TR-F
Voltage regulator



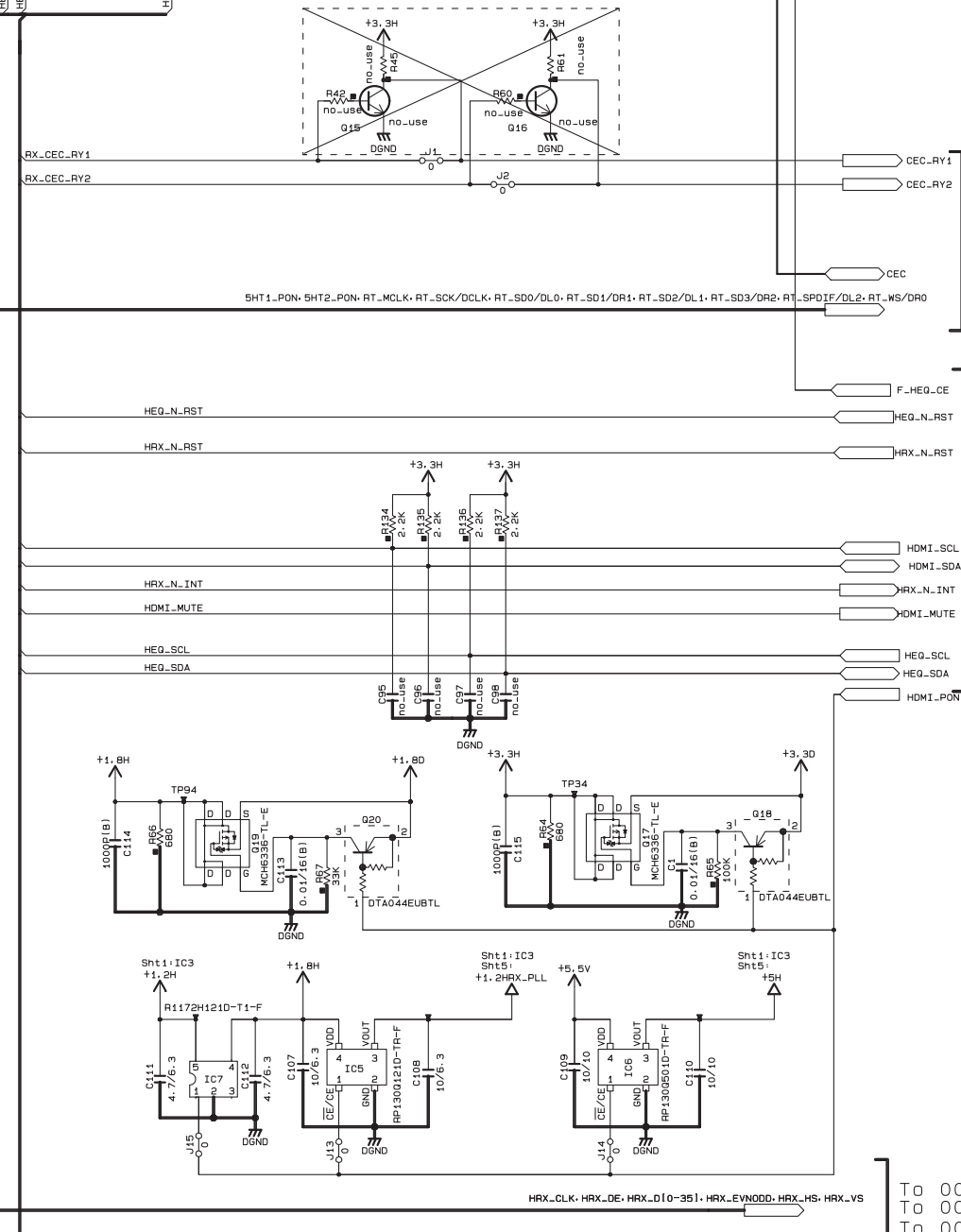
IC7: R1172H121D-T1-F
CMOS-based positive-voltage regulator IC



Sheet 1: HDMI Rx
IC/CB/XL: 1~300
OTHER: 1~300

- ★ Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
- ★ Schematic diagram is subject to change without notice.

- Δ印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
- 本回路図は標準回路図です。改良のため予告なく変更することがあります。



to DIGITAL1 5/9

To 005.sht
(HDMI-Tx)

To 006.sht
(μ-com)

to DIGITAL1 6/9

To 002.sht (VDEC/ENC)
To 003.sht (SCALER)
To 004.sht (FPGA)

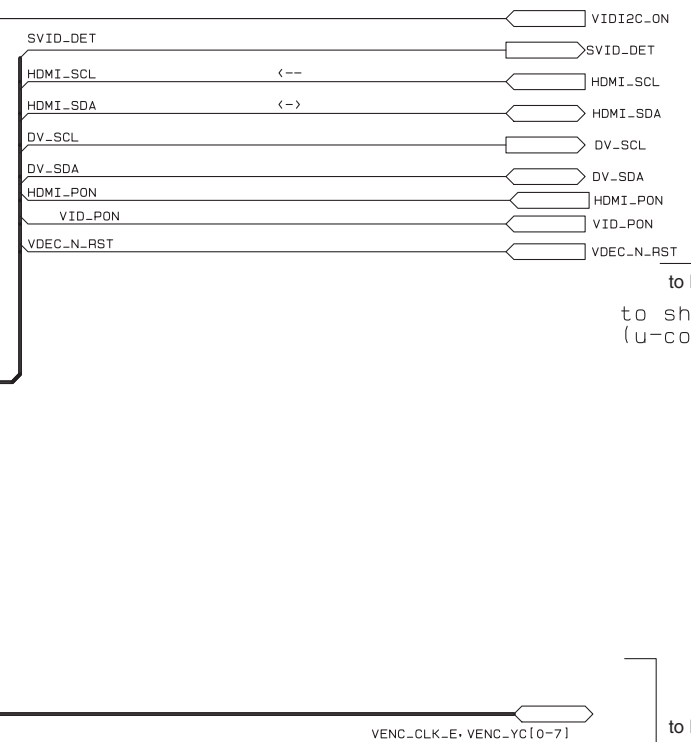
to DIGITAL1 2/9, 3/9, 4/9

A	B
C	D

– Page 144 M6
to VIDEO (1)_CB303

Page 144 M5
to VIDEO (1)_CB302

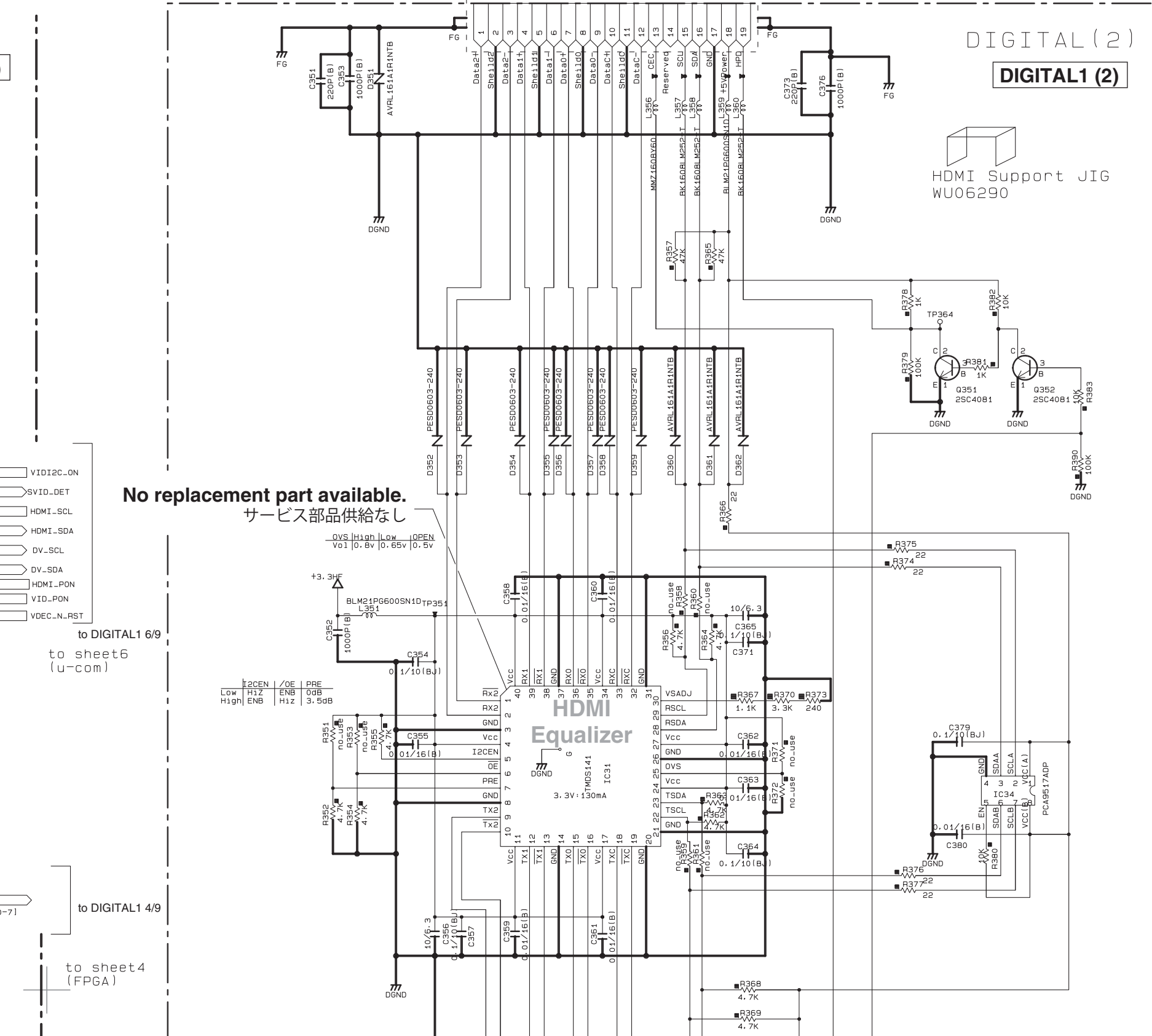
DIGITAL1 (1)



to
co sh
u-co

to
(FP

A	B
C	D



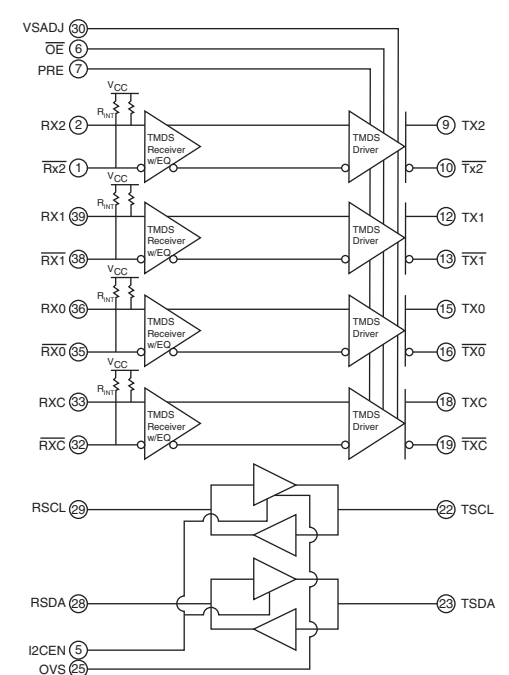
No replacement part available.
サービス部品供給なし

- VIDI2C_ON
- SVID_DET
- HDMI_SCL
- HDMI_SDA
- DV_SCL
- DV_SDA
- HDMI_PON
- VID_PON
- VDEC_N_RST

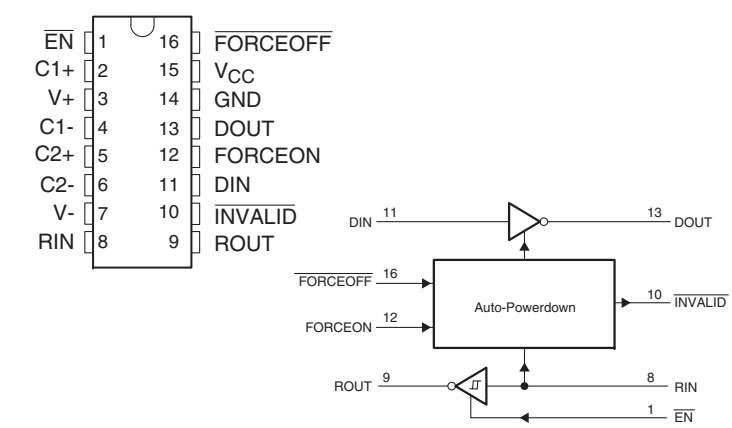
to DIGITAL1 6/9
to sheet6
(u-com)

to DIGITAL1 4/9
to sheet4
(FPGA)

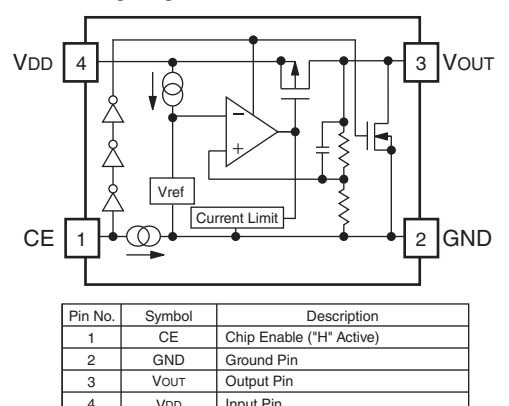
IC31: TMDS141RHAR
HDMI switch



IC32: TRS3221ECPWR
3 V to 5.5 V single channel RS-232 line driver/receiver
with ±15 kV IEC ESD protection



IC33: RP130Q331D-TR-F
Voltage regulator



Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

6

7

8

9

10

Sheet2: VDEC/VENC

IC/CB/XL: 20-29
OHTER: 200-350
TP: 200-350

★ Components having special characteristics are marked Δ and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

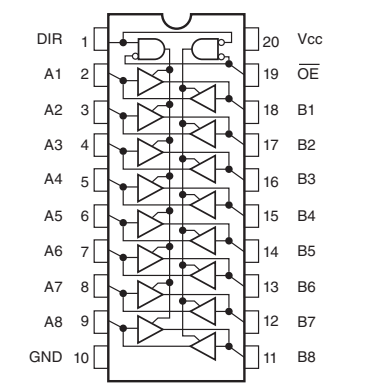
● Δ印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
● 本回路図は標準回路図です。改良のため予告なく変更することがあります。

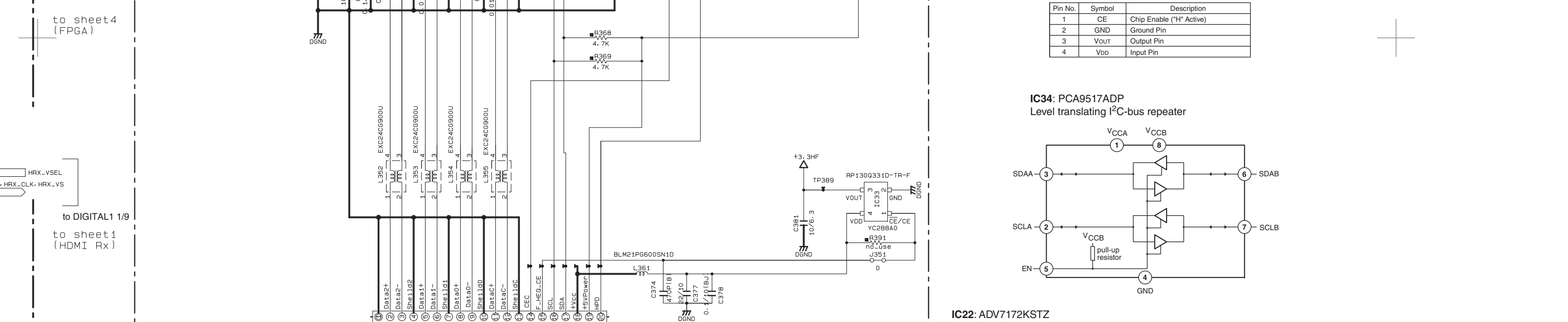
CAPACITOR		
REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	⌘
⊗	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	
⊙	CERAMIC TUBULAR CAPACITOR	
◎	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
①	MICA CAPACITOR	
Ⓟ	POLYPROPYLENE FILM CAPACITOR	
●	SEMICONDUCTIVE CERAMIC CAPACITOR	

RESISTOR		
REMARKS	PARTS NAME	
NO MARK	CARBON FILM RESISTOR (P=5)	
⊠	CARBON FILM RESISTOR (P=10)	
△	METAL OXIDE FILM RESISTOR	
▲	METAL FILM RESISTOR	
▢	METAL PLATE RESISTOR	
▣	FIRE PROOF CARBON FILM RESISTOR	
□	CEMENT MOLDED RESISTOR	
⊗	SEMI VARIABLE RESISTOR	
■	CHIP RESISTOR	

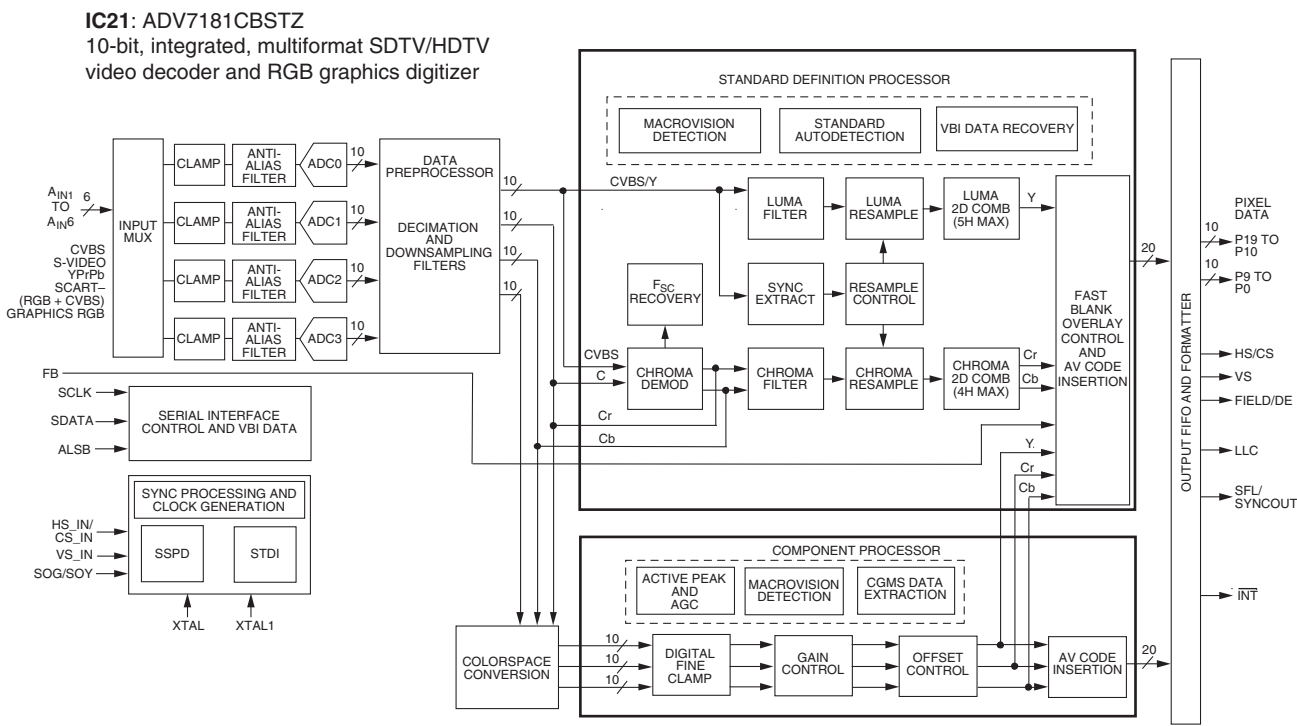
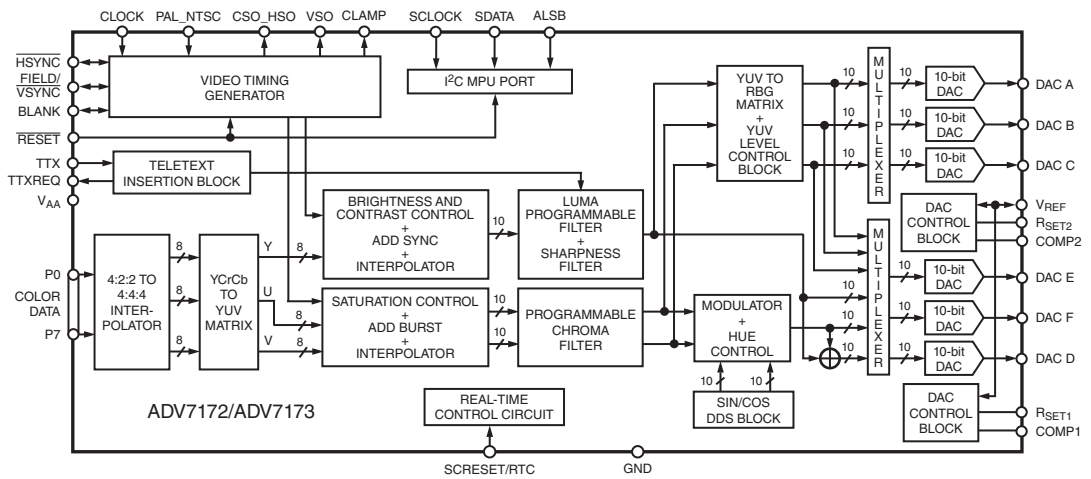
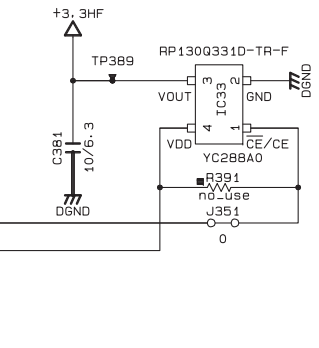
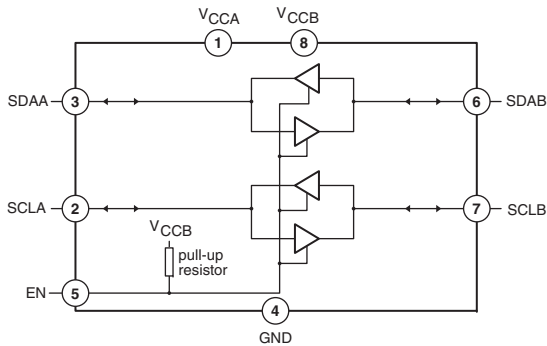
NOTICE (model1)
(J)..... JAPAN
(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE
(V)..... TAIWAN
(F)..... RUSSIAN
(P)..... LATIN AMERICA
(S)..... BRAZIL
(H)..... THAI

IC23-25: TC74LCX245FT
Low voltage octal bus transceiver
with 5-V tolerant inputs and outputs



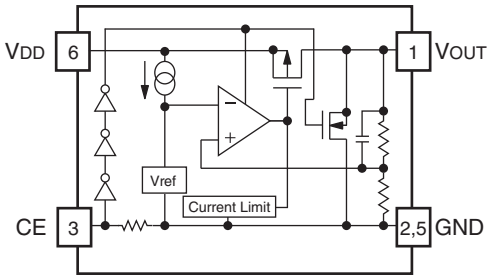


Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin



IC26: R1172S331D-E2-F

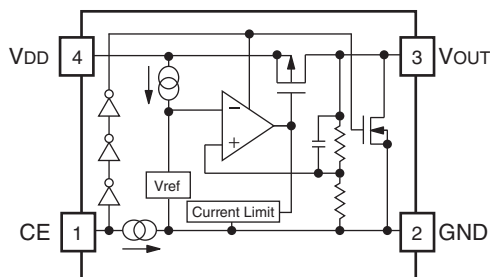
CMOS-based positive-voltage regulator IC



Pin No.	Symbol	Description
1	VOUT	Output Pin
2, 5	GND	Ground Pin
3	CE	Chip Enable Pin ("H" Active)
4	NC	No Connection
6	VDD	Input Pin

IC27: RP130Q181D-TR-F

Voltage regulator



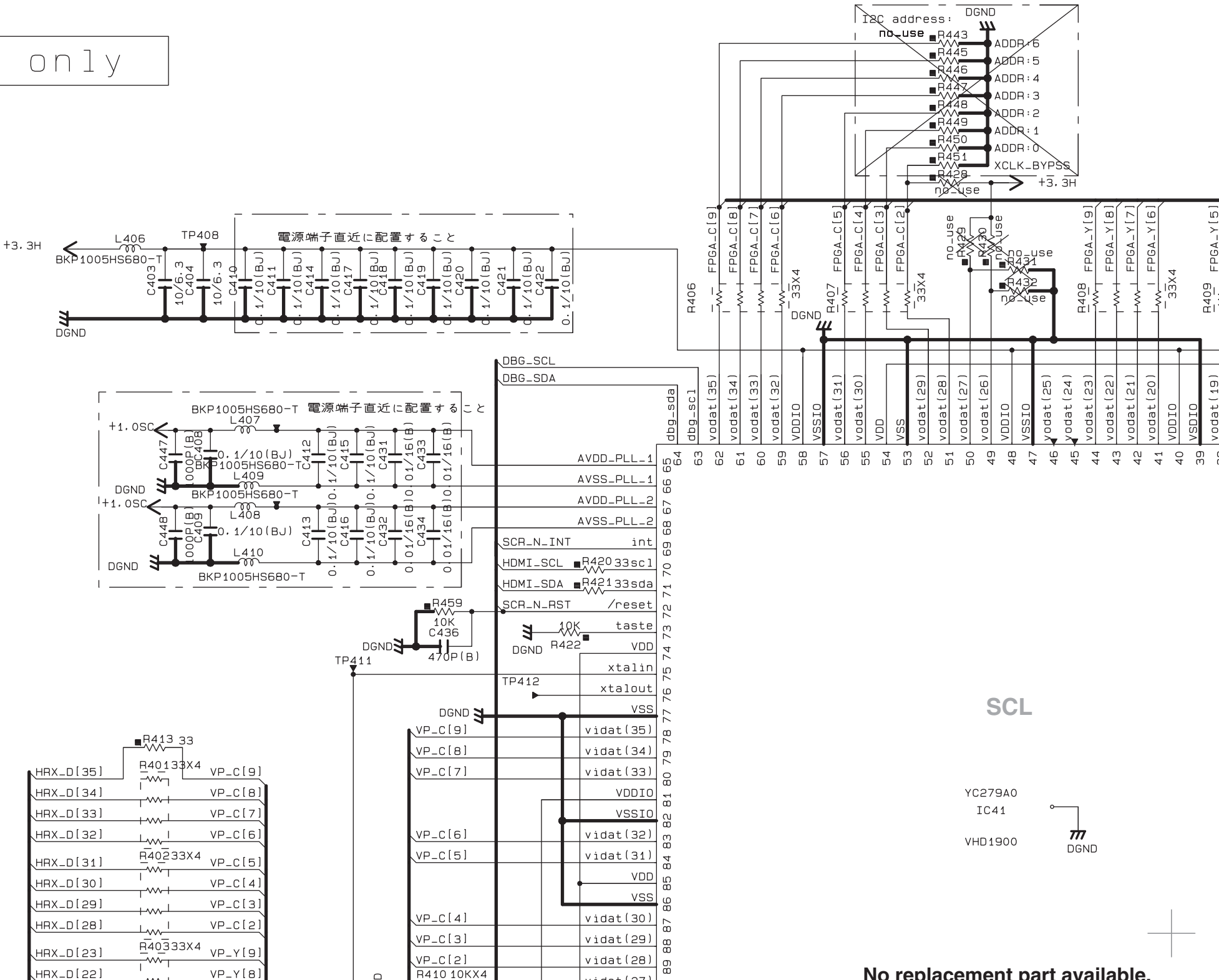
Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

A	B
C	D

DIGITAL1 3/9

DIGITAL1 (1)

2071, 3071 only

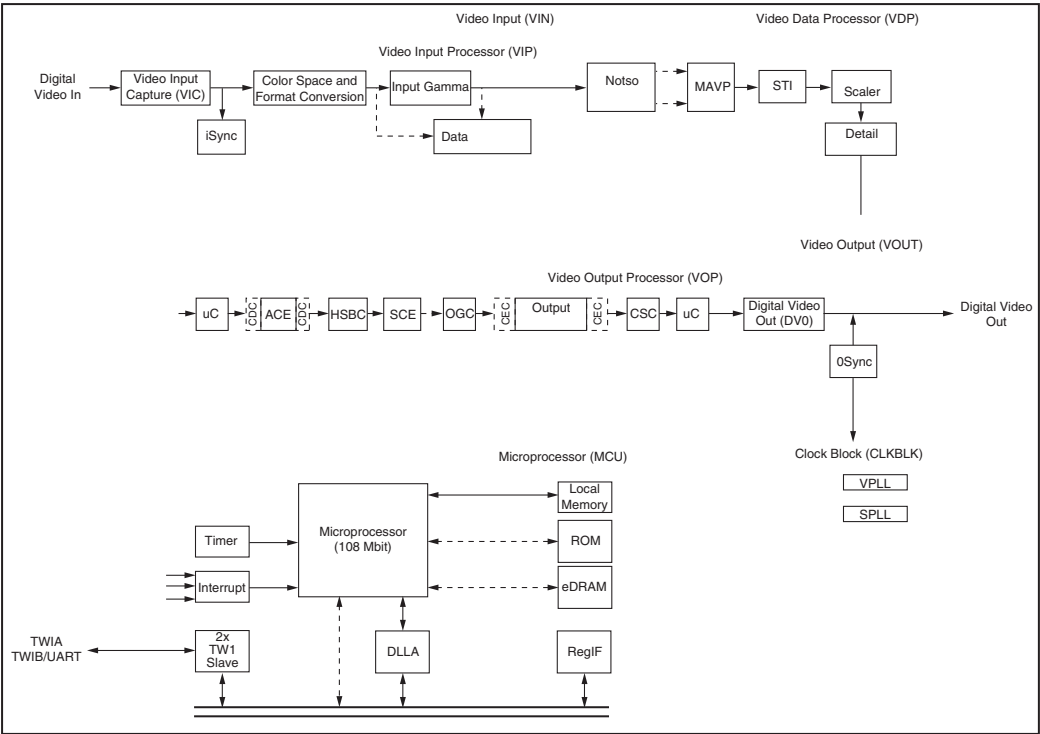


No replacement part available.

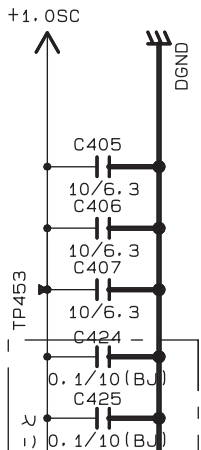
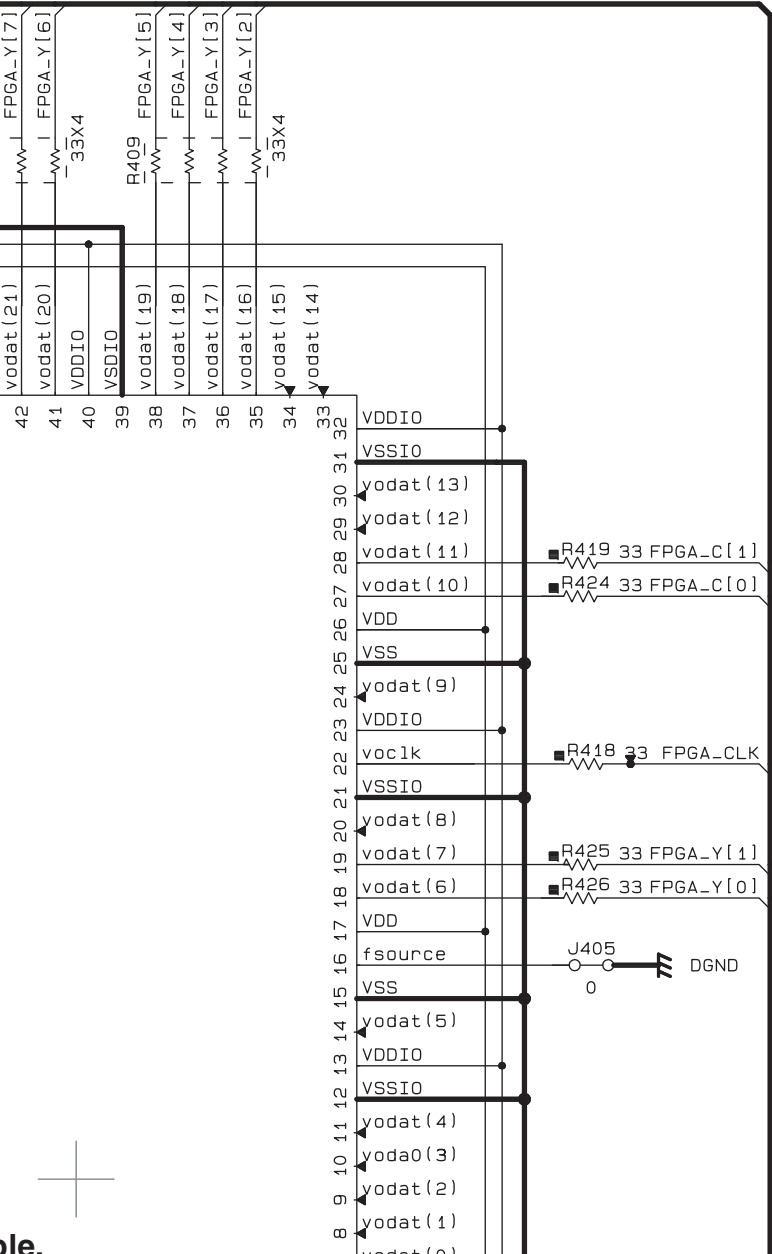
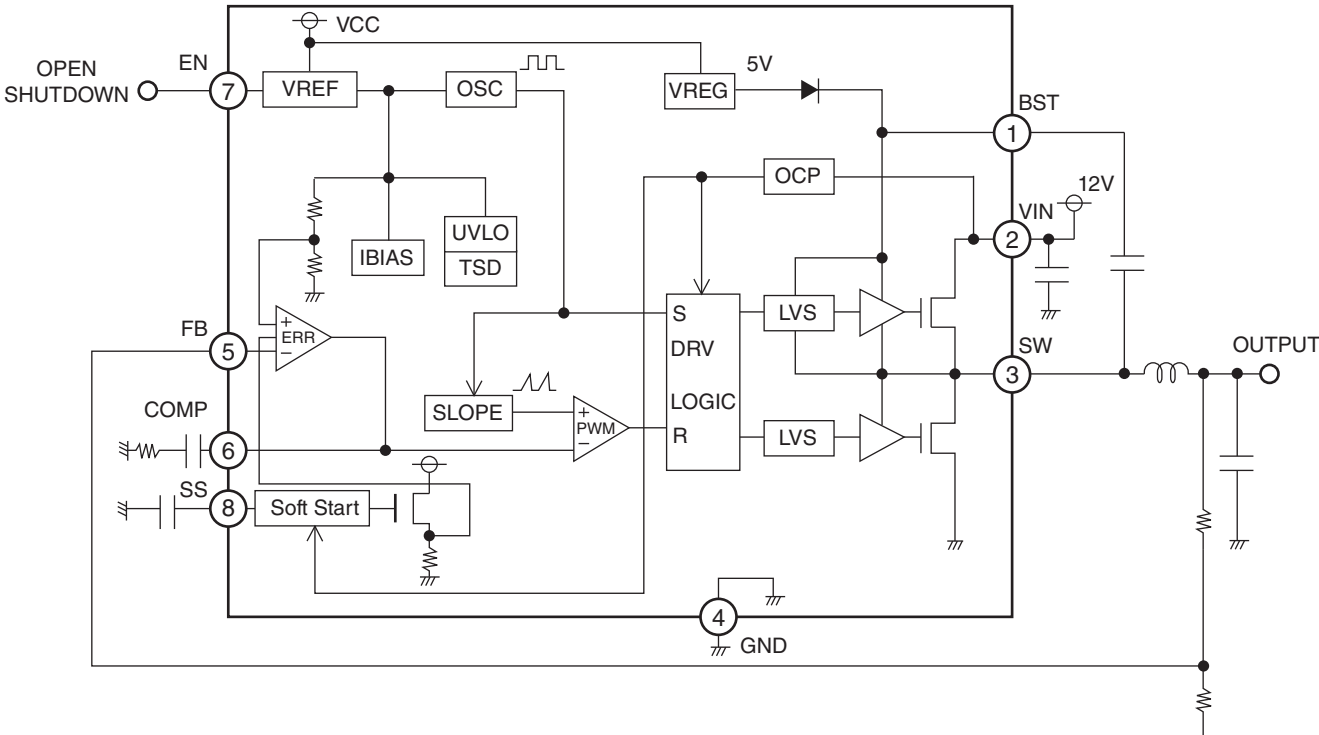
A	B
C	D

RX-A3010/RX-V3071

IC41: VHD1900EVG
Video processor



IC42: BD9329AEFJ-E2
1ch step-down DC/DC converter



A	B
C	D

6

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(HDMI_Rx)
To 001.sht

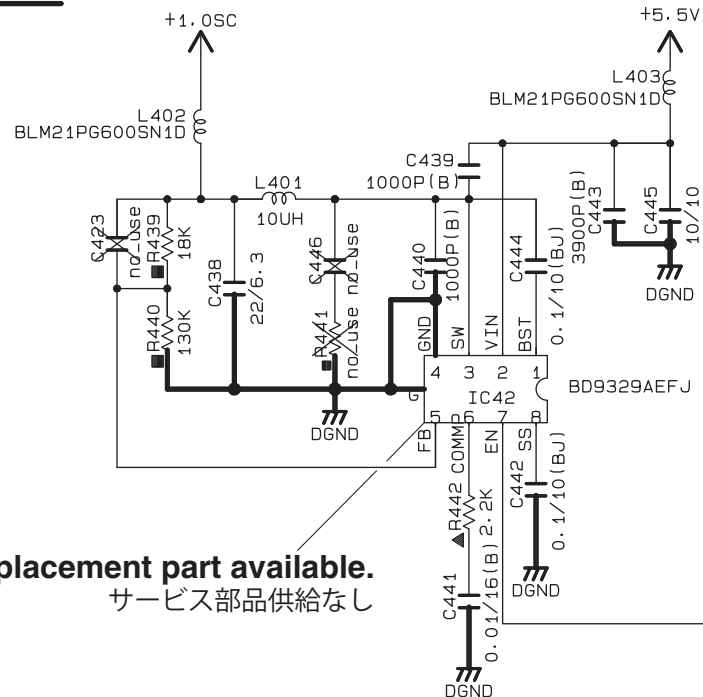
to DIGITAL1 1/9

No replacement part available.
サービス部品供給なし

SCR_PON

HDMI_PON

HRX_DE, HRX_D[0-35], HRX_HS, HRX_CLK, HRX_VS, HRX_EVNODD



DGND

DGND

DGND

DGND

DGND

DGND

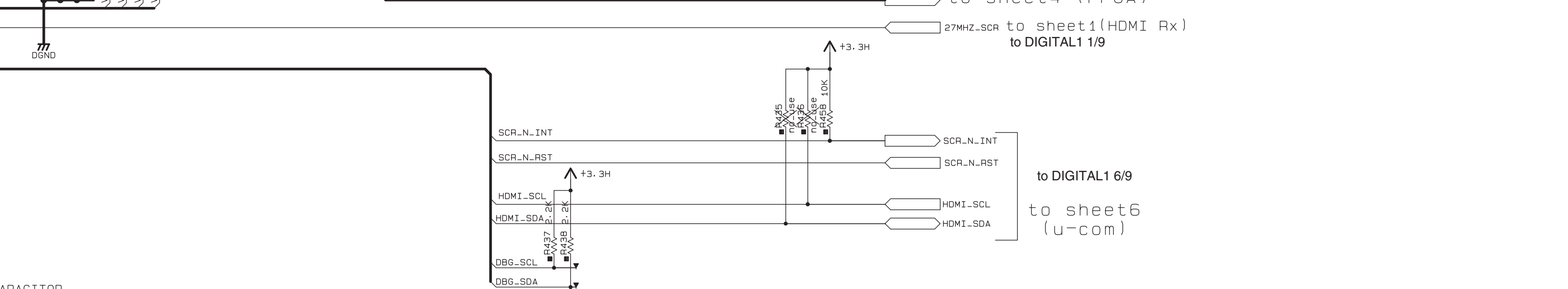
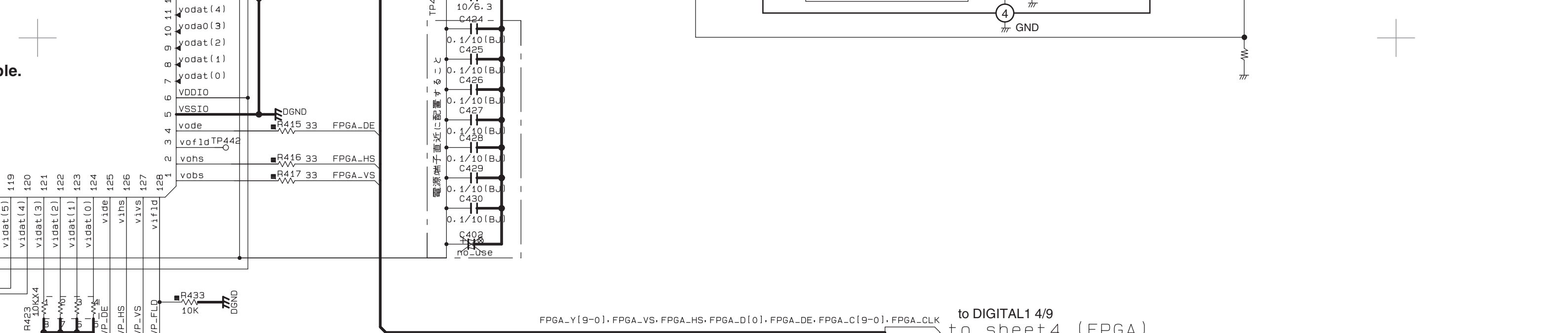
No replacement part available.
サービス部品供給なし

RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
□	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊗	METAL PLATE RESISTOR
▨	FIRE PROOF CARBON FILM RESISTOR
□	CEMENT MOLDED RESISTOR
⊗	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

CAPACITOR

REMARKS	PARTS NAME
NO MARK	EL
⊗	TA
NO MARK	CE
●	CE
⊙	PC
○	PC
①	MI
Ⓟ	PC
⊕	SE



CAPACITOR		
REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	⌘
⊗	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	⌘
●	CERAMIC TUBULAR CAPACITOR	
◎	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
①	MICA CAPACITOR	
Ⓟ	POLYPROPYLENE FILM CAPACITOR	
Ⓢ	SEMICONDUCTIVE CERAMIC CAPACITOR	

Sheet3:Scaler

IC/CB/XL: 40-
OHTER : 400-499
TP : 400-499

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