

SCHEMATIC DIAGRAM

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

NOTE:

1. **RESISTOR** Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
1/2R = Metal or Metal oxide of 1/2 watt
1RF = Fuse resistor of 1 watt
K = $\pm 10\%$ G = $\pm 2\%$ F = $\pm 1\%$
1/2S = Carbon composition of 1/2 watt
10W = Cement of 10 watt
2. **CAPACITOR** Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF , and the values more than 1 in pF.
All capacitors are ceramic 50V, unless otherwise noted as the following marks.

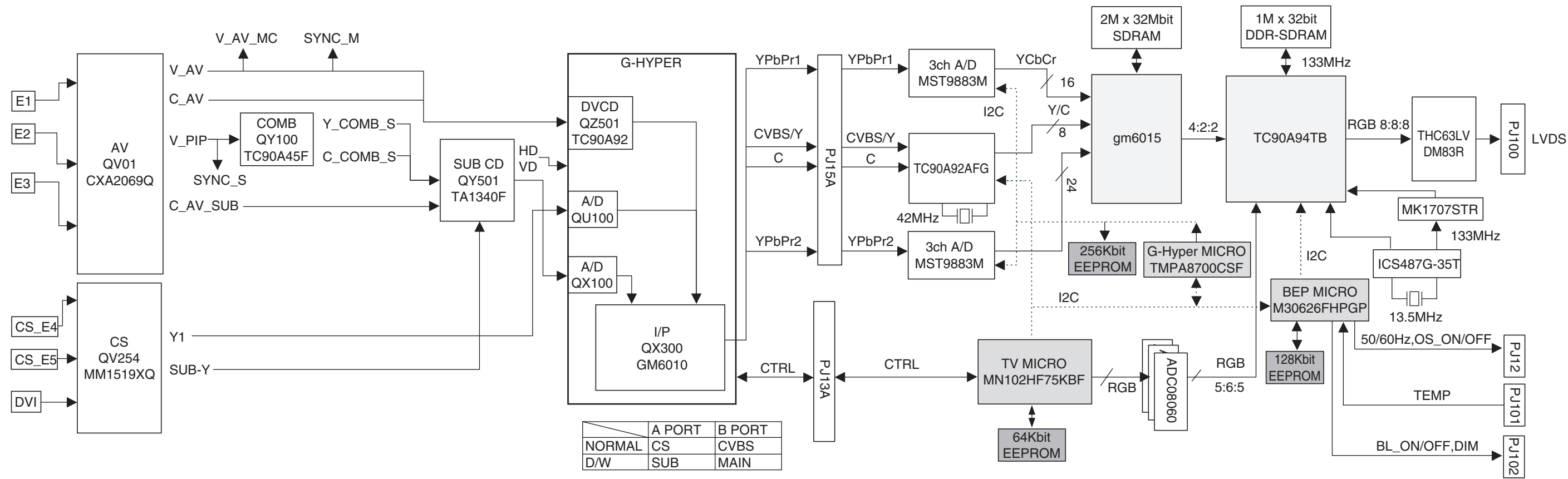
 Electrolytic capacitor

 Mylar capacitor
3. The parts indicated with " ∇ " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage at 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary $\pm 20\%$ except H.V.

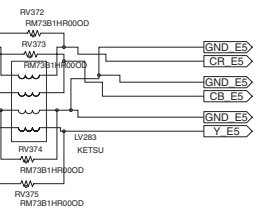
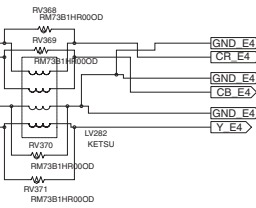
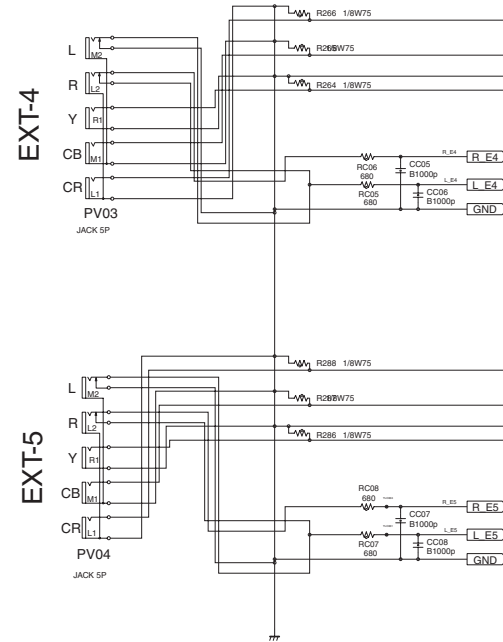
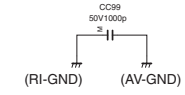
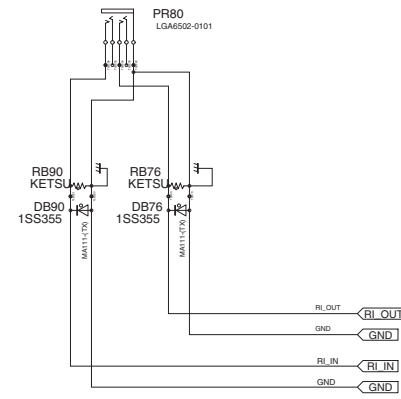
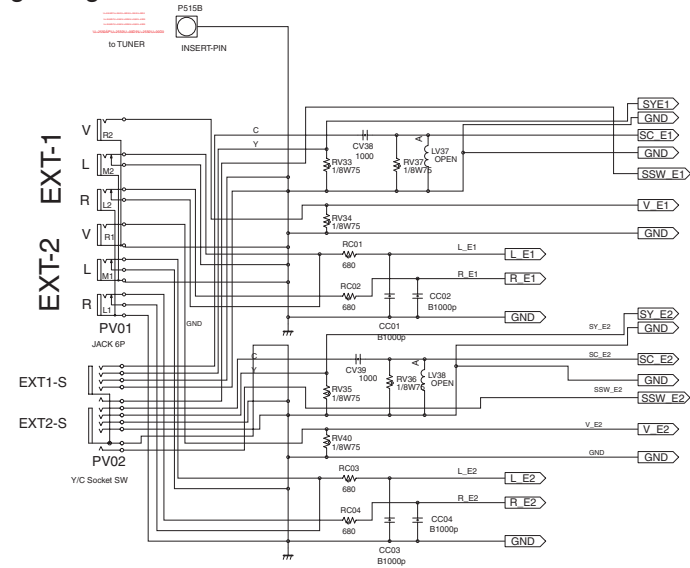
■ SCHEMATIC DIAGRAM STRUCTURE:

SIGNAL Circuit	CONNECTOR	[SHEET- 1/7]	1/57
	AV	[SHEET- 2/7]	2/57
	TERMINAL	[SHEET- 3/7]	3/57
	COLOR DIFFERENCE SWITCHING	[SHEET- 4/7]	4/57
	V/C	[SHEET- 5/7]	5/57
	HDMI_VARI	[SHEET- 6/7]	6/57
	Audio-MUTE	[SHEET- 7/7]	7/57
TN-AOUT Circuit	CONNECTOR	[SHEET- 1/8]	8/57
	TIF & MA	[SHEET- 2/8]	9/57
	IMA MOPULE	[SHEET- 3/8]	10/57
	A-OUT	[SHEET- 4/8]	11/57
	HP-AMP	[SHEET- 5/8]	12/57
	TEMP SENSOR	[SHEET- 6/8]	13/57
	LipSync DIGITAL PART	[SHEET- 7/8]	14/57
	LipSync ANALOG PART	[SHEET- 8/8]	15/57
CONT Circuit	KEY	[SHEET- 1/2]	16/57
	POWER SW	[SHEET- 2/2]	17/57
DATA_REWRITE Circuit			18/57
FRONT-AV Circuit	AV-1	[SHEET- 1/2]	19/57
	AV-2	[SHEET- 2/2]	20/57
IR-PASS/RMT/LED Circuit			21/57
SCALER Circuit	DIGITAL INPUT	[SHEET- 1/36]	22/57
	CAPTURE INPUT	[SHEET- 2/36]	23/57
	MEMORY CONNECTION	[SHEET- 3/36]	24/57
	PLL	[SHEET- 4/36]	25/57
	OSD	[SHEET- 5/36]	26/57
	IIC	[SHEET- 6/36]	27/57
	US OSD SYNC GENERATOR	[SHEET- 7/36]	28/57
	POWER	[SHEET- 8/36]	29/57
	SUB MICOM (1)	[SHEET- 9/36]	30/57
	SUB MICOM (2)	[SHEET- 10/36]	31/57
	SUB MICOM (3)	[SHEET- 11/36]	32/57
	LVDS OUT	[SHEET- 12/36]	33/57
	POWER CONNECTOR AND DIMMING	[SHEET- 13/36]	34/57
	CONNECTOR BETWEEN SIGNAL BOARD	[SHEET- 14/36]	35/57
	EMI FIL 2	[SHEET- 15/36]	36/57
	LVDS POWER AND OTHERS	[SHEET- 16/36]	37/57
	LVDS OUT (SHARP LCD)	[SHEET- 17/36]	38/57
	CONNECTOR	[SHEET- 18/36]	39/57
	3CHADC1_LPF	[SHEET- 19/36]	40/57
	3CHADC2_LPF	[SHEET- 20/36]	41/57
	DVCD_LPF	[SHEET- 21/36]	42/57
	3CHADC HD/VD	[SHEET- 22/36]	43/57
	3CHADC1	[SHEET- 23/36]	44/57
	3CHADC2	[SHEET- 24/36]	45/57
	DVCD TC90A92AFG	[SHEET- 25/36]	46/57
	DVCD_POWER	[SHEET- 26/36]	47/57
	GENESIS-1	[SHEET- 27/36]	48/57
	GENESIS-2	[SHEET- 28/36]	49/57
	SDRAM	[SHEET- 29/36]	50/57
	GENESIS_POWER	[SHEET- 30/36]	51/57
	GENESIS_CPU	[SHEET- 31/36]	52/57
	OSD MICON 1/4	[SHEET- 32/36]	53/57
	OSD MICON 2/4	[SHEET- 33/36]	54/57
	OSD MICON 3/4	[SHEET- 34/36]	55/57
	OSD MICON 4/4	[SHEET- 35/36]	56/57
	DC/DC CONVERTER	[SHEET- 36/36]	57/57

CIRCUIT BLOCK DIAGRAM

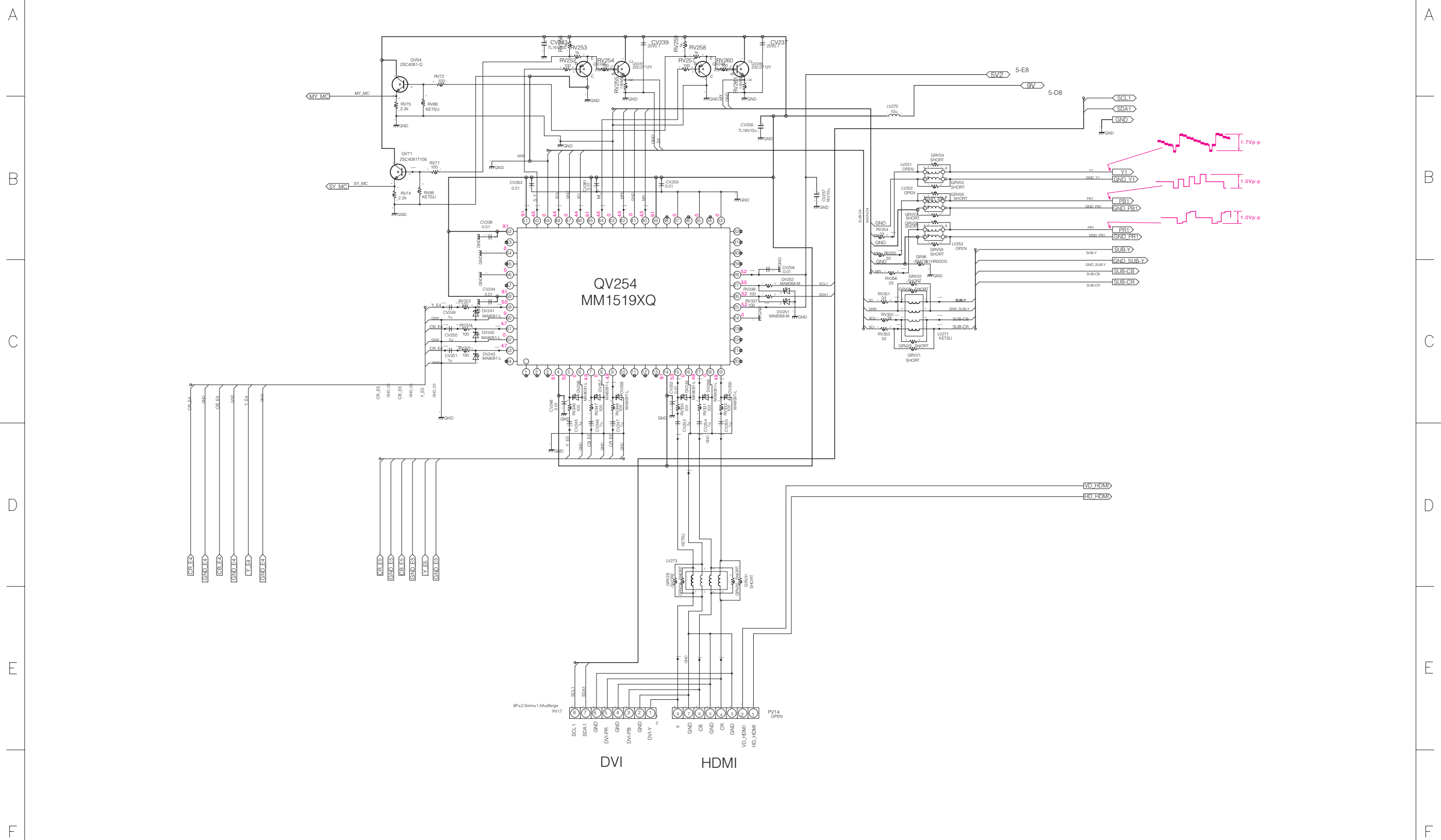


For Lightning



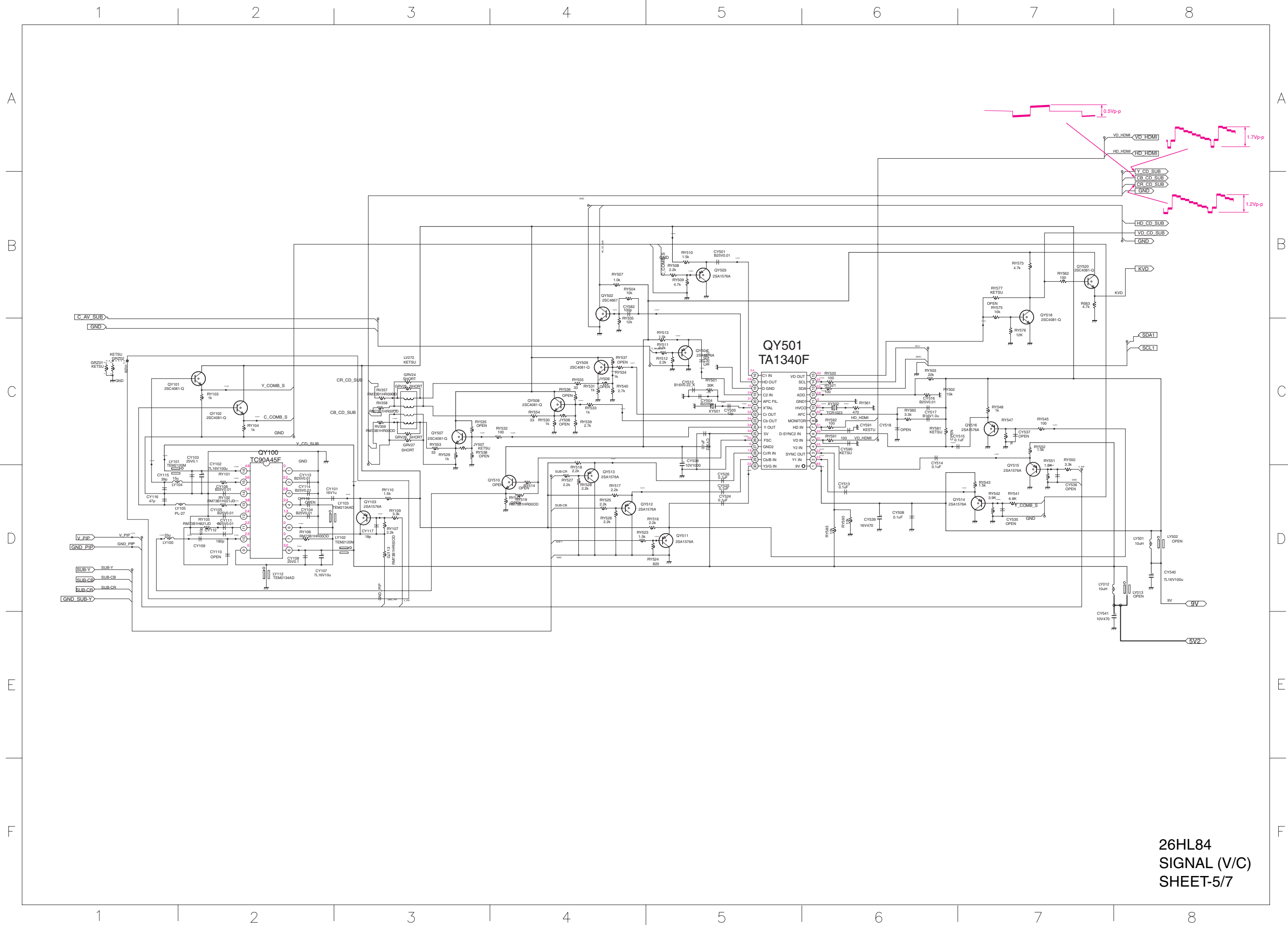
26HL84
SIGNAL (TERMINAL)
SHEET-3/7

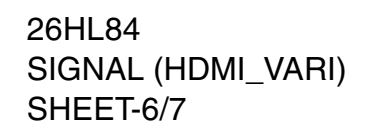
1 2 3 4 5 6 7 8

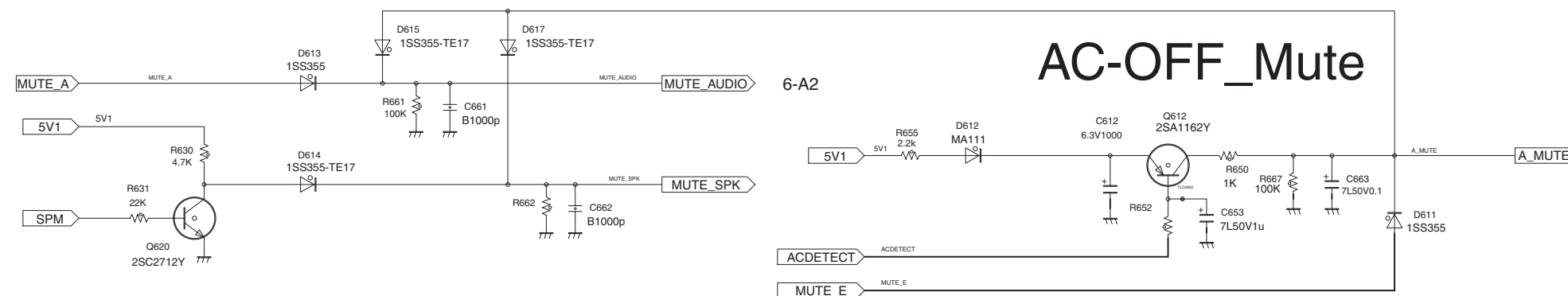


26HL84
SIGNAL (COLOR DIFFERENCE SWITCHING)
SHEET-4/7

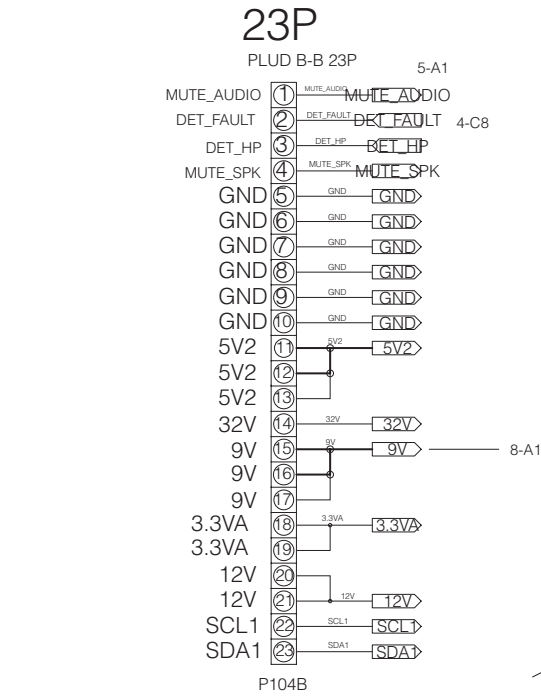
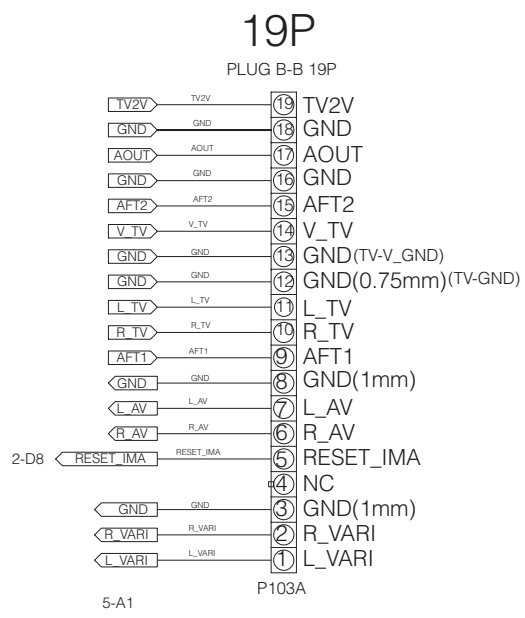
1 2 3 4 5 6 7 8



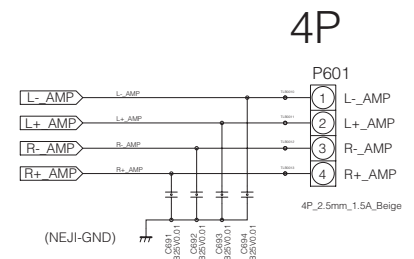




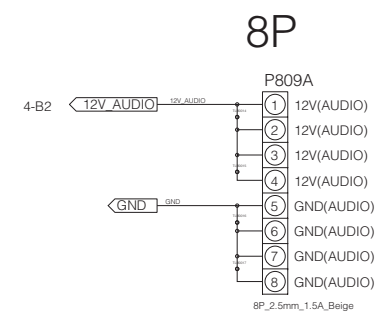
26HL84
SIGNAL (Audio-MUTE)
SHEET-7/7



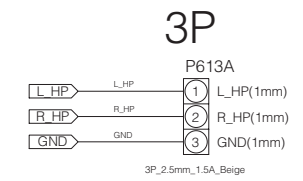
SIGNAL



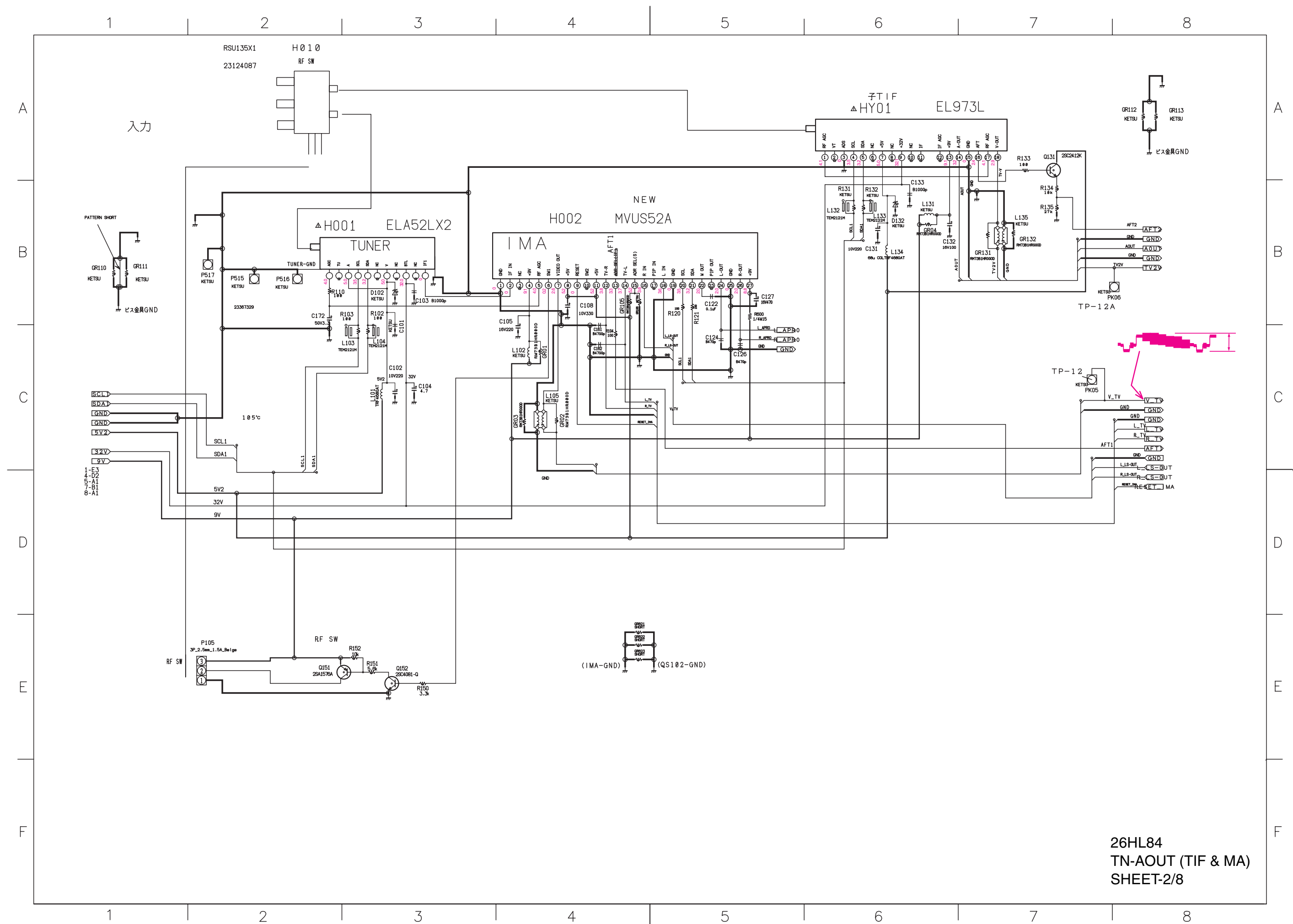
SPK_R/L
(all:2mm)



POWER



FRONT-AV



1

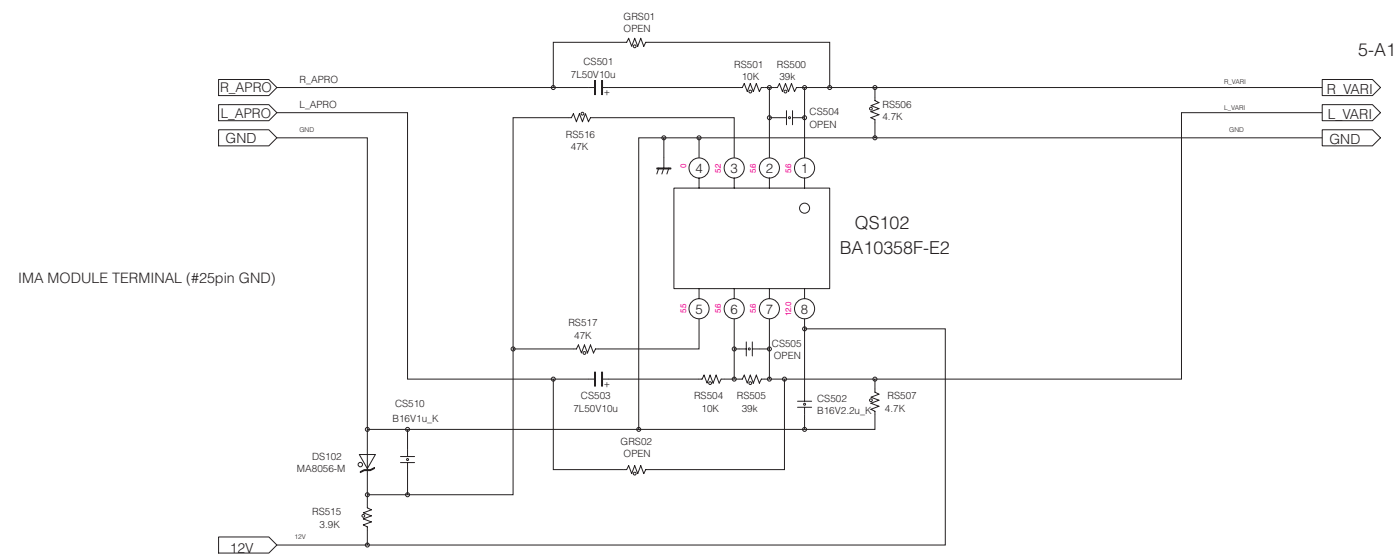
2

A

A

B

B



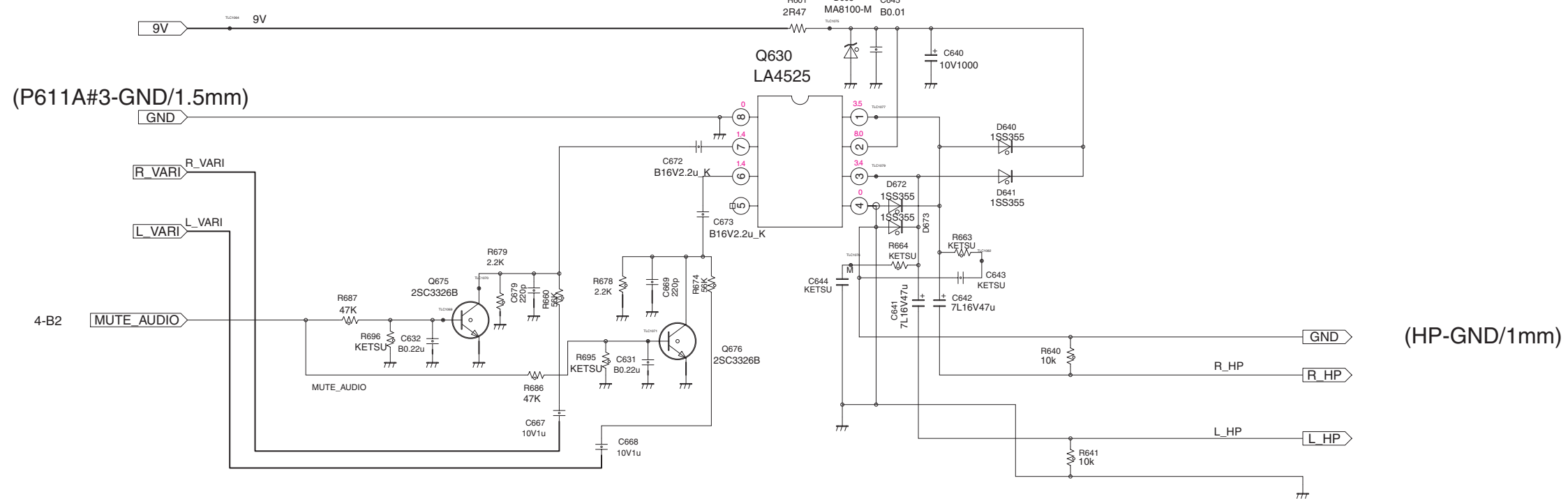
All pants should be laid close by IMA Module.

26HL84
TN-AOUT (IMA MOPULE)
SHEET-3/8

1

2

HP-AMP



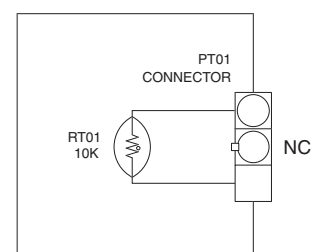
26HL84
TN-AOUT (HP-AMP)
SHEET-5/8

1

2

A

A



B

B

26HL84
TN-AOUT (TEMP-SENSOR)
SHEET-6/8

1

2

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

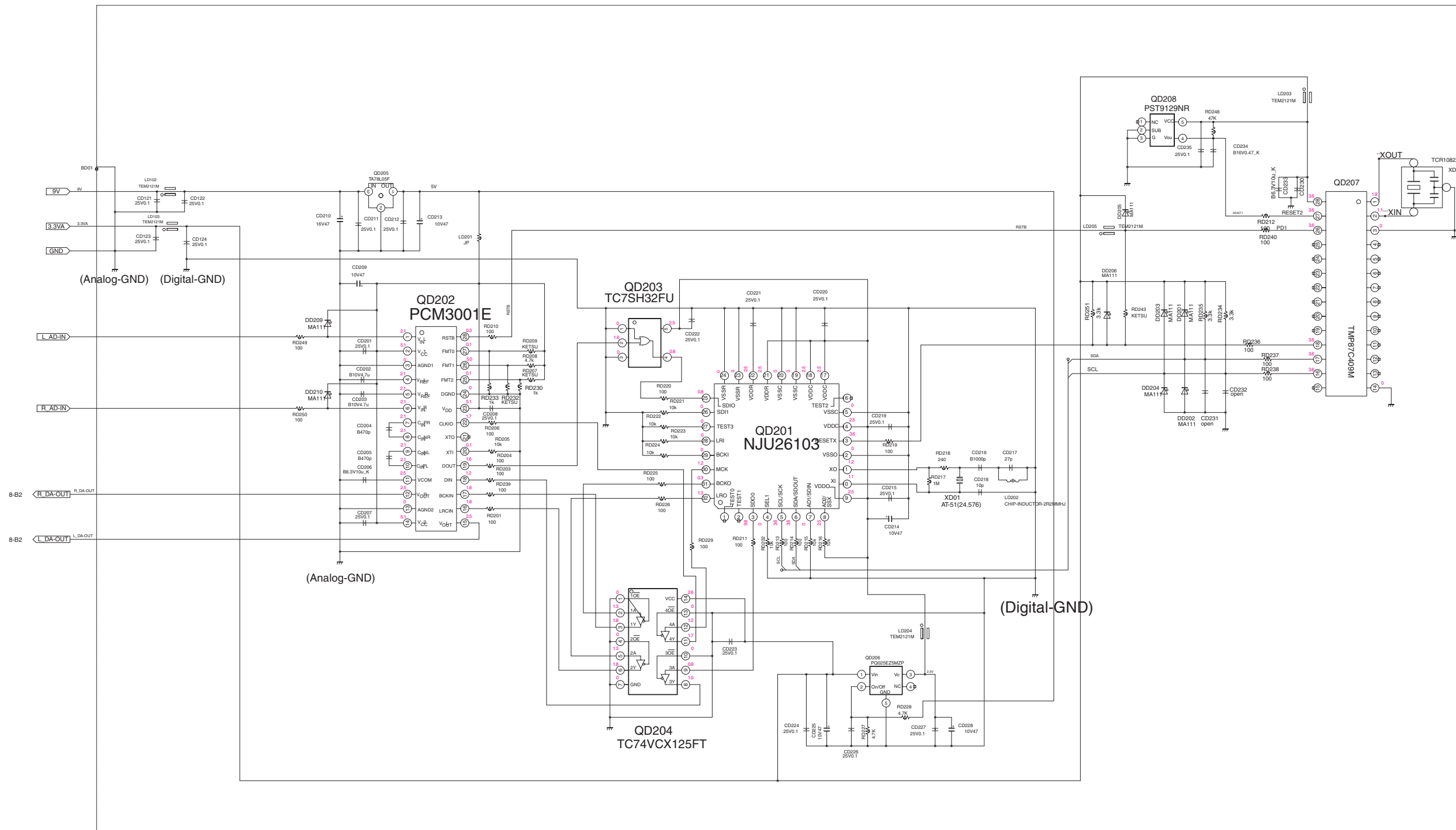
B

C

D

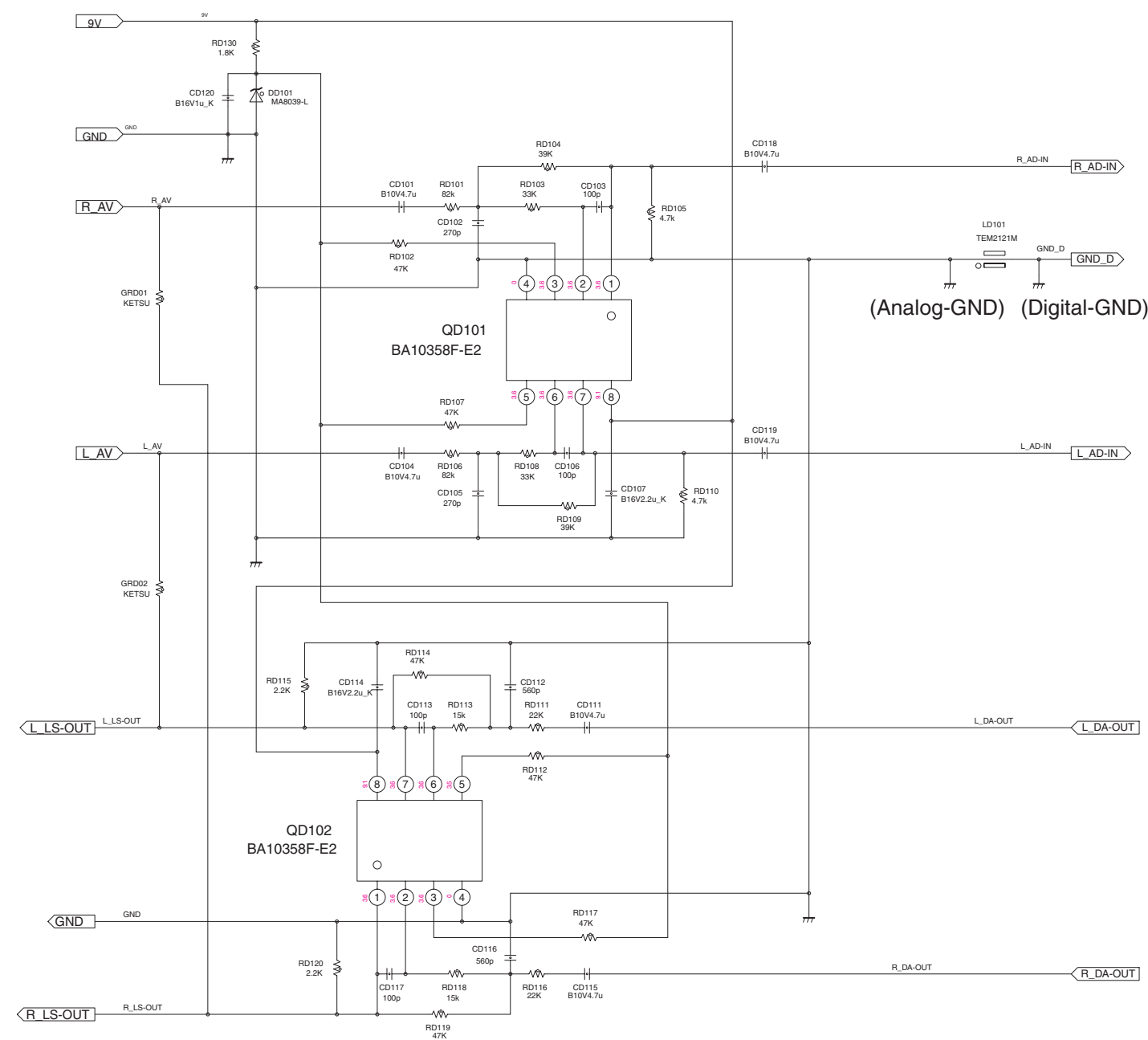
E

F



The outsides of shield plate should be Analog GND.

26HL84
TN-AOUT (LipSync DIGITAL PART)
SHEET-7/8



26HL84
TN-AOUT (LipSync ANALOG PART)
SHEET-8/8

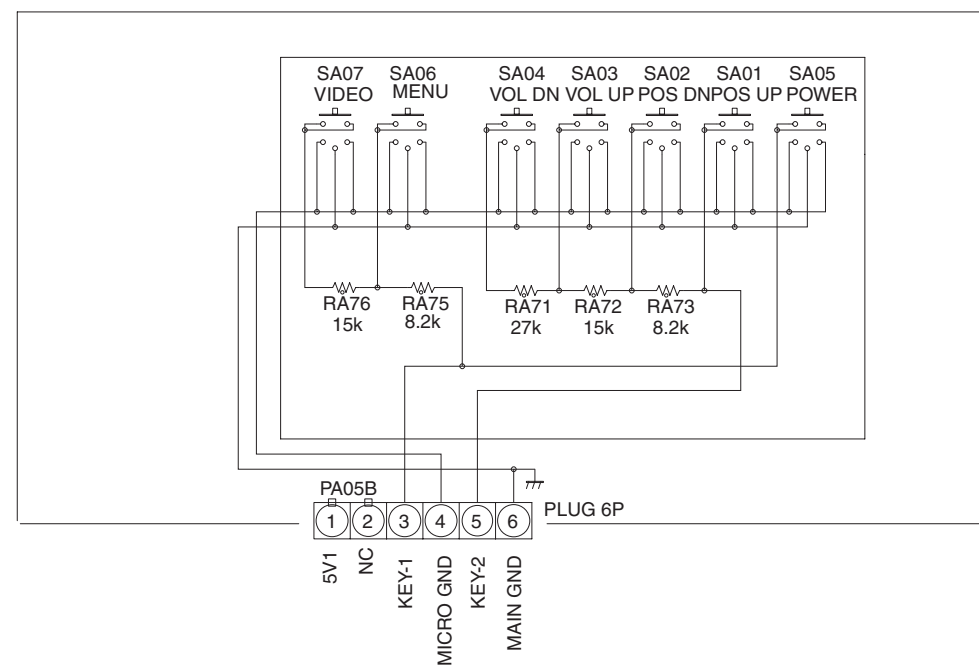
A

A

B

B

KEY



26HL84
CONT (KEY)
SHEET-1/2

1

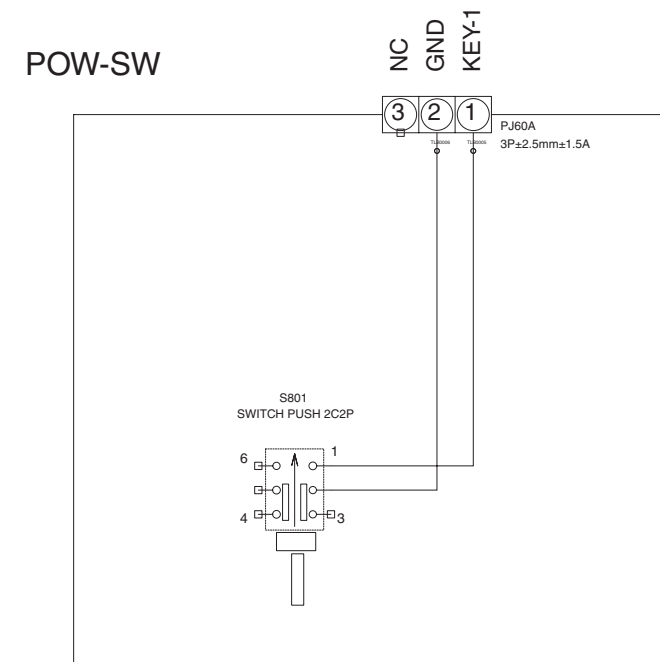
2

A

A

B

B



26HL84
CONT (POWER SW)
SHEET-2/2

1

2

1

2

A

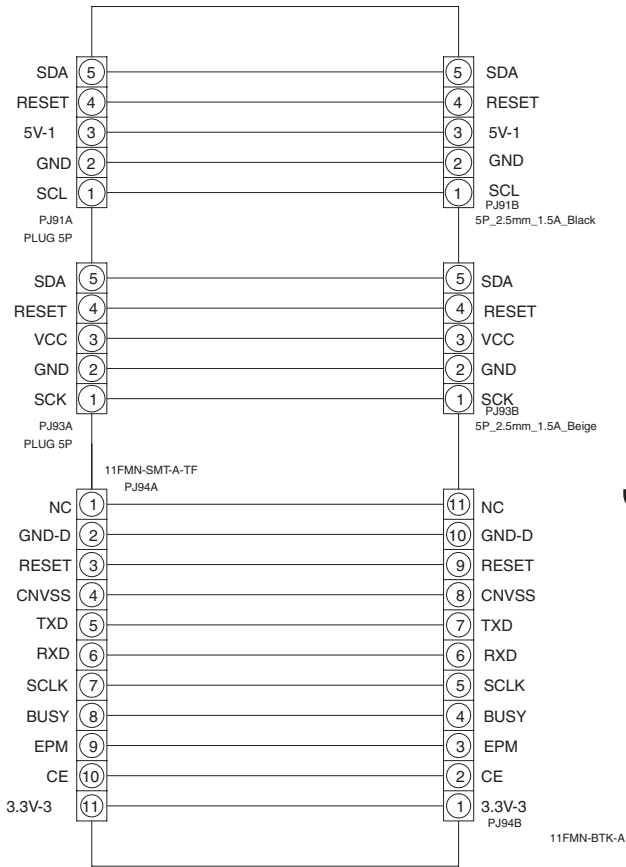
A

SCALER

JIGU

B

B



1

2



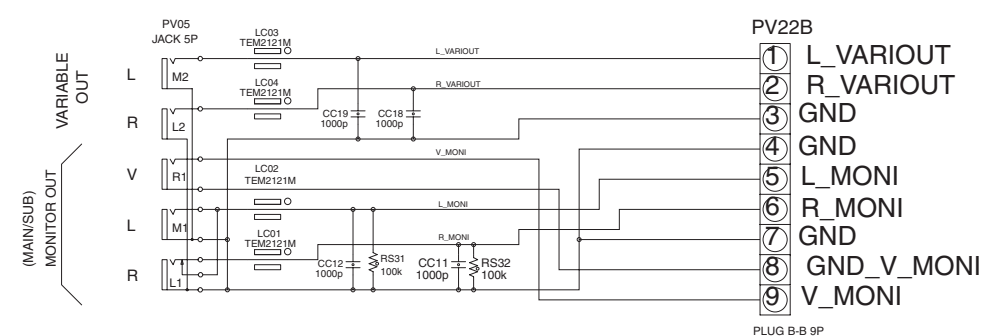
(19/57)

1

2

A

A



SIGNAL

B

B

26HL84
FRONT-AV (AV-2)
SHEET-2/2

1

2

1

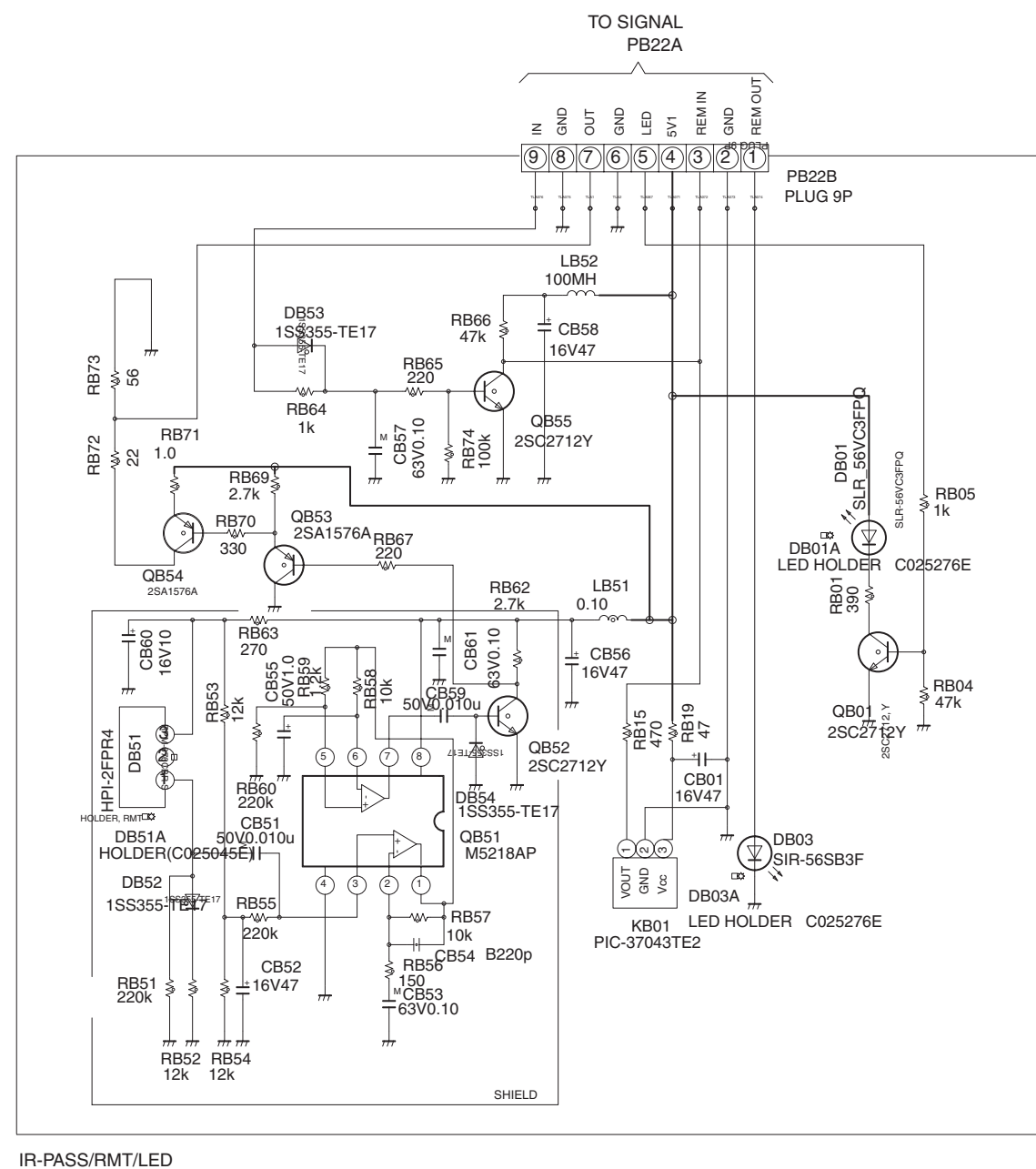
2

A

A

B

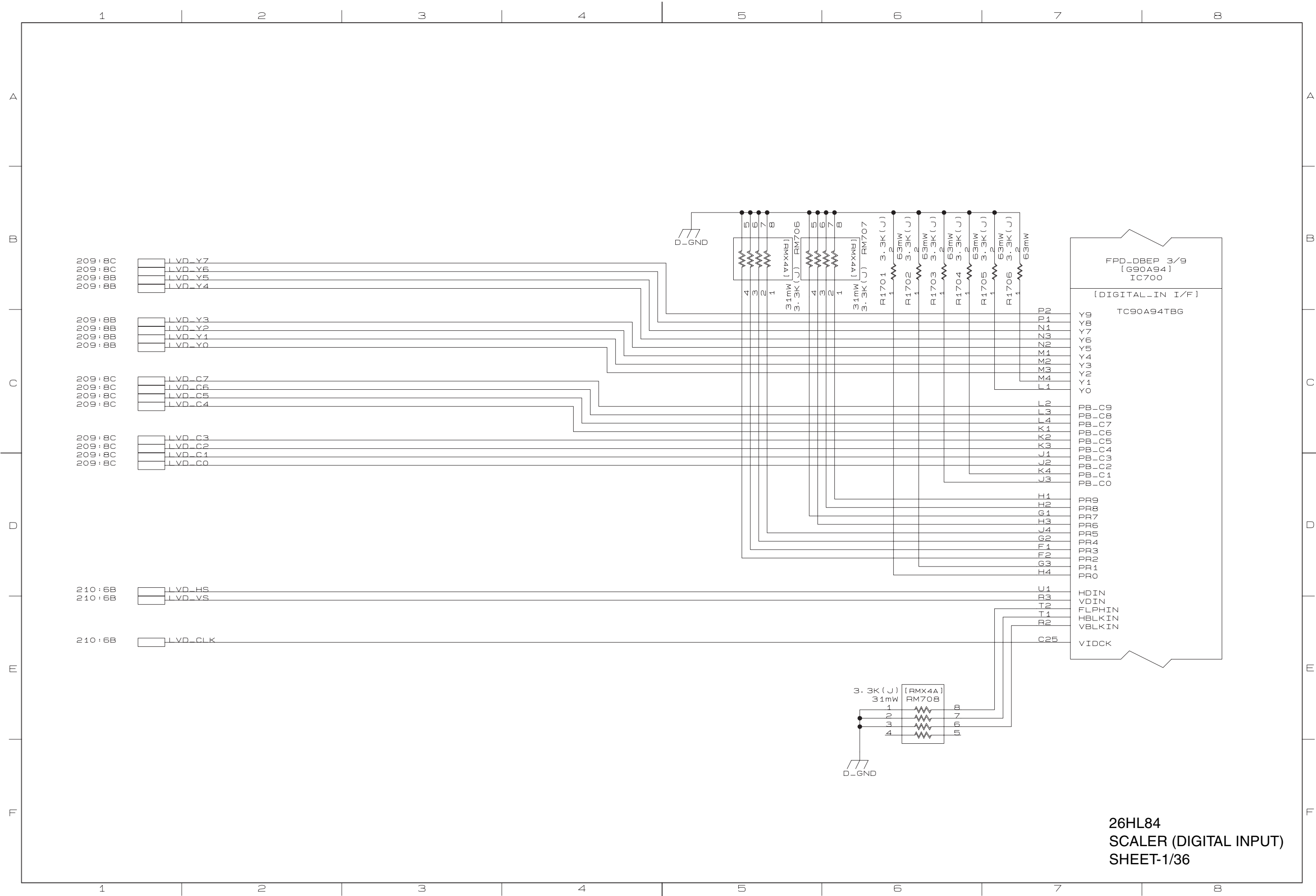
B

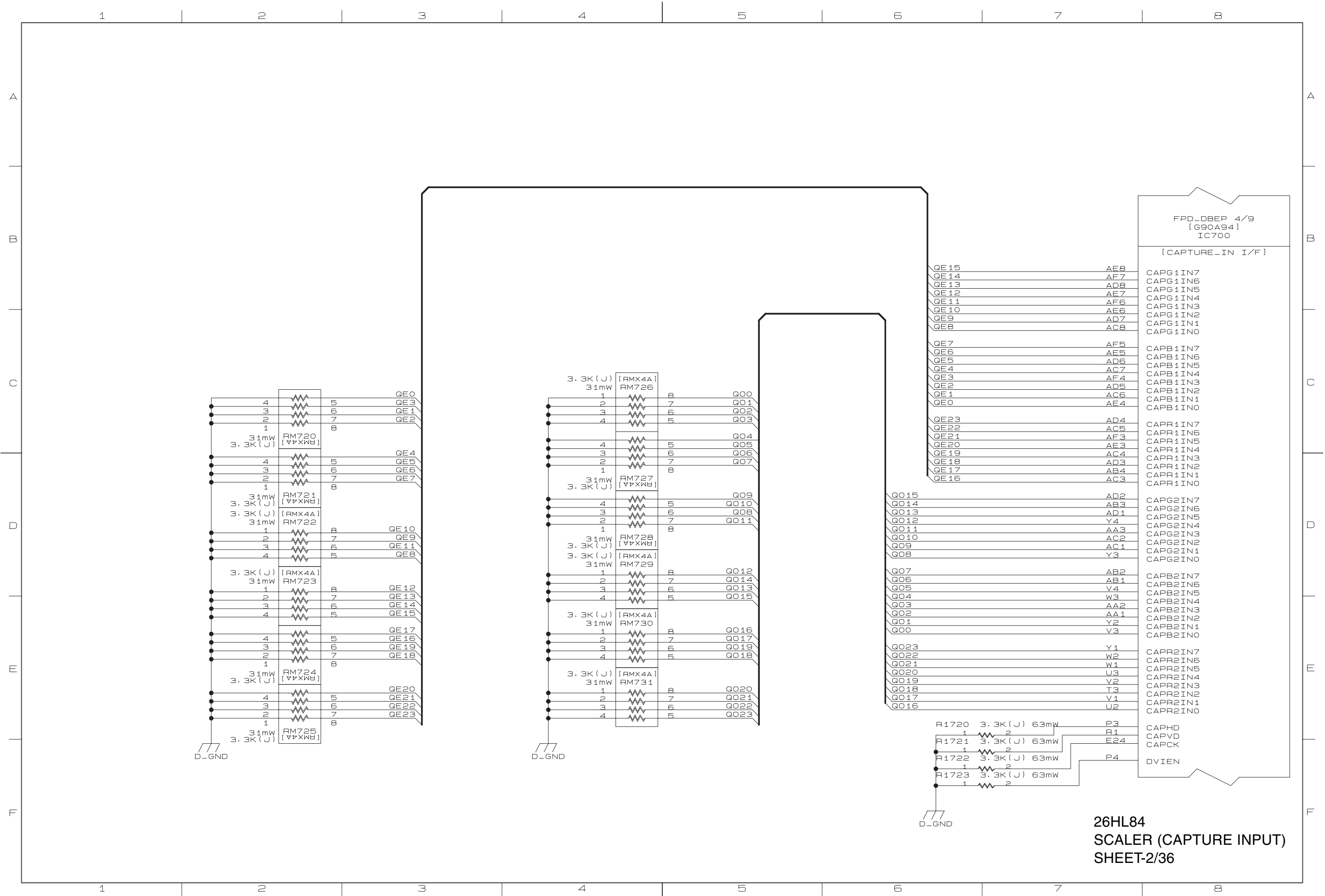


26HL84
IR-PASS/RMT/LED

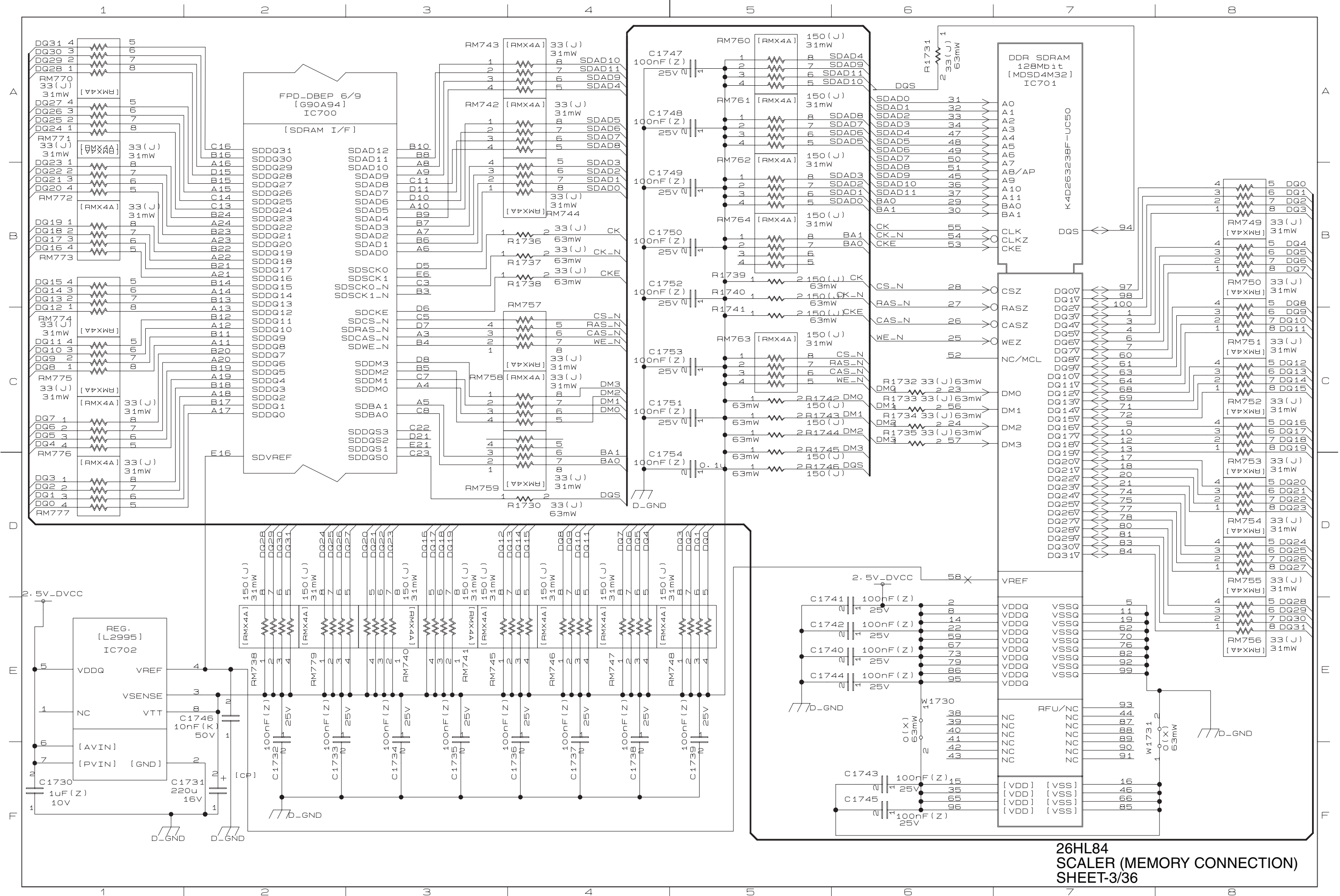
1

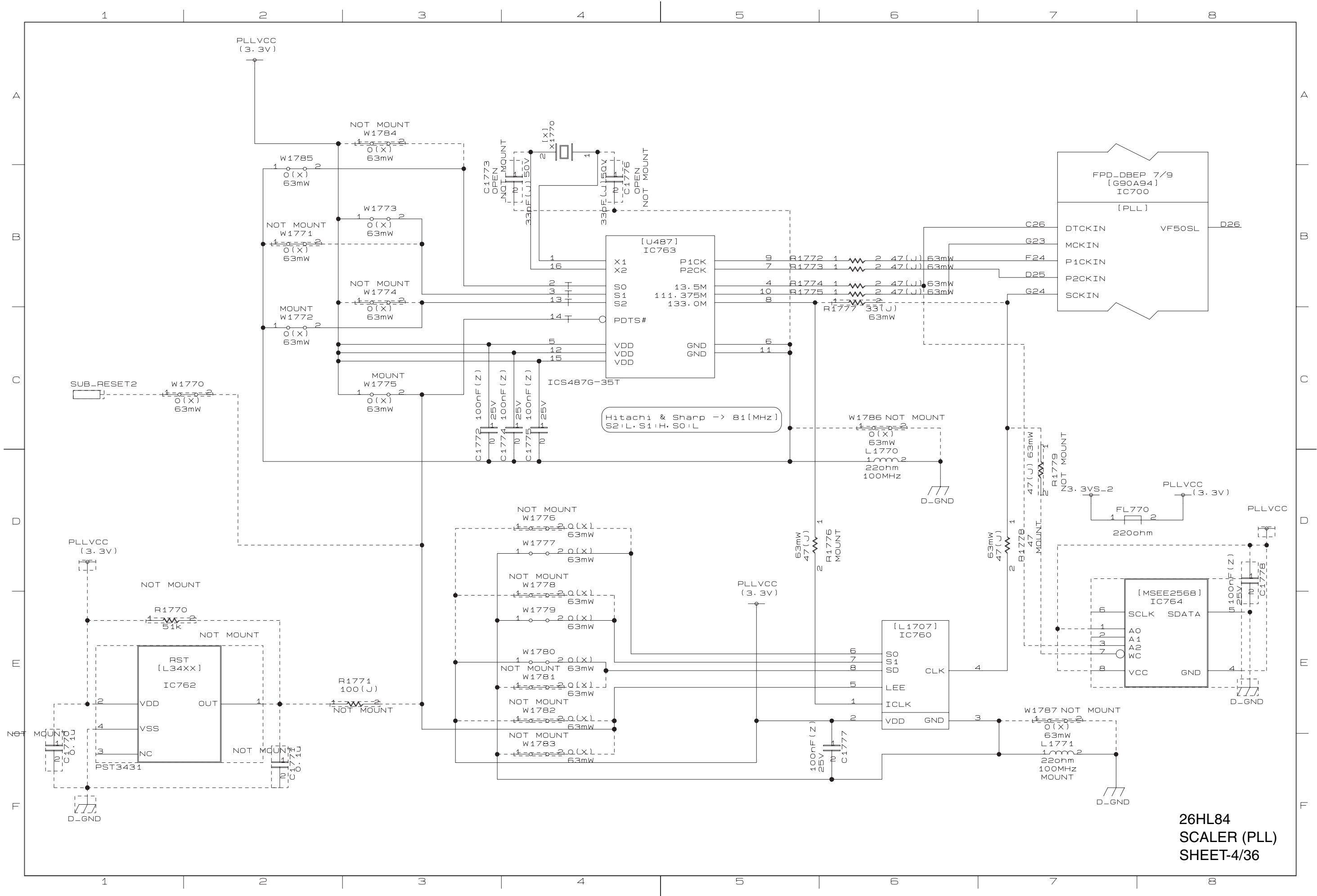
2

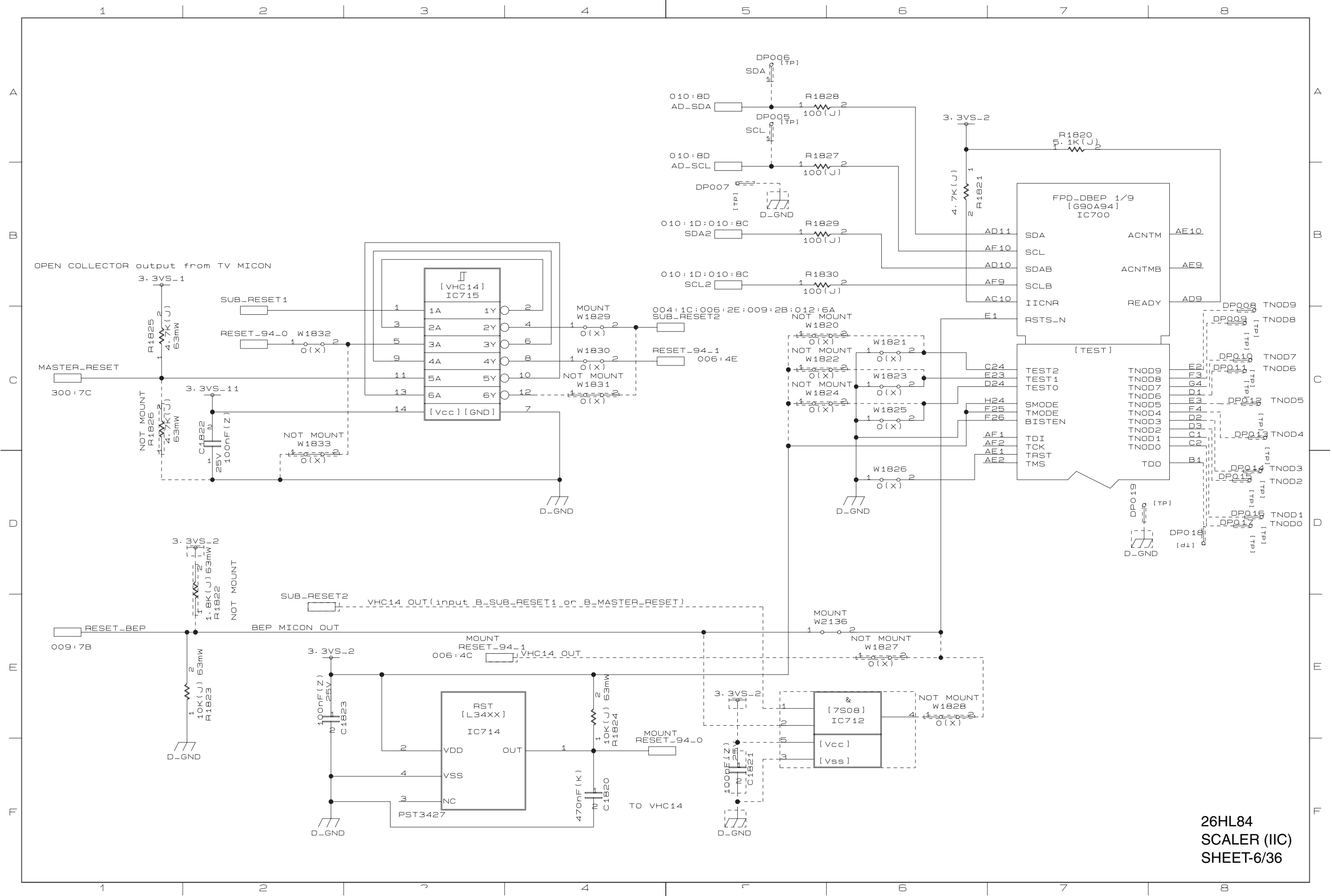




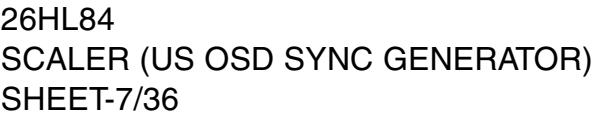
26HL84
SCALER (CAPTURE INPUT)
SHEET-2/36

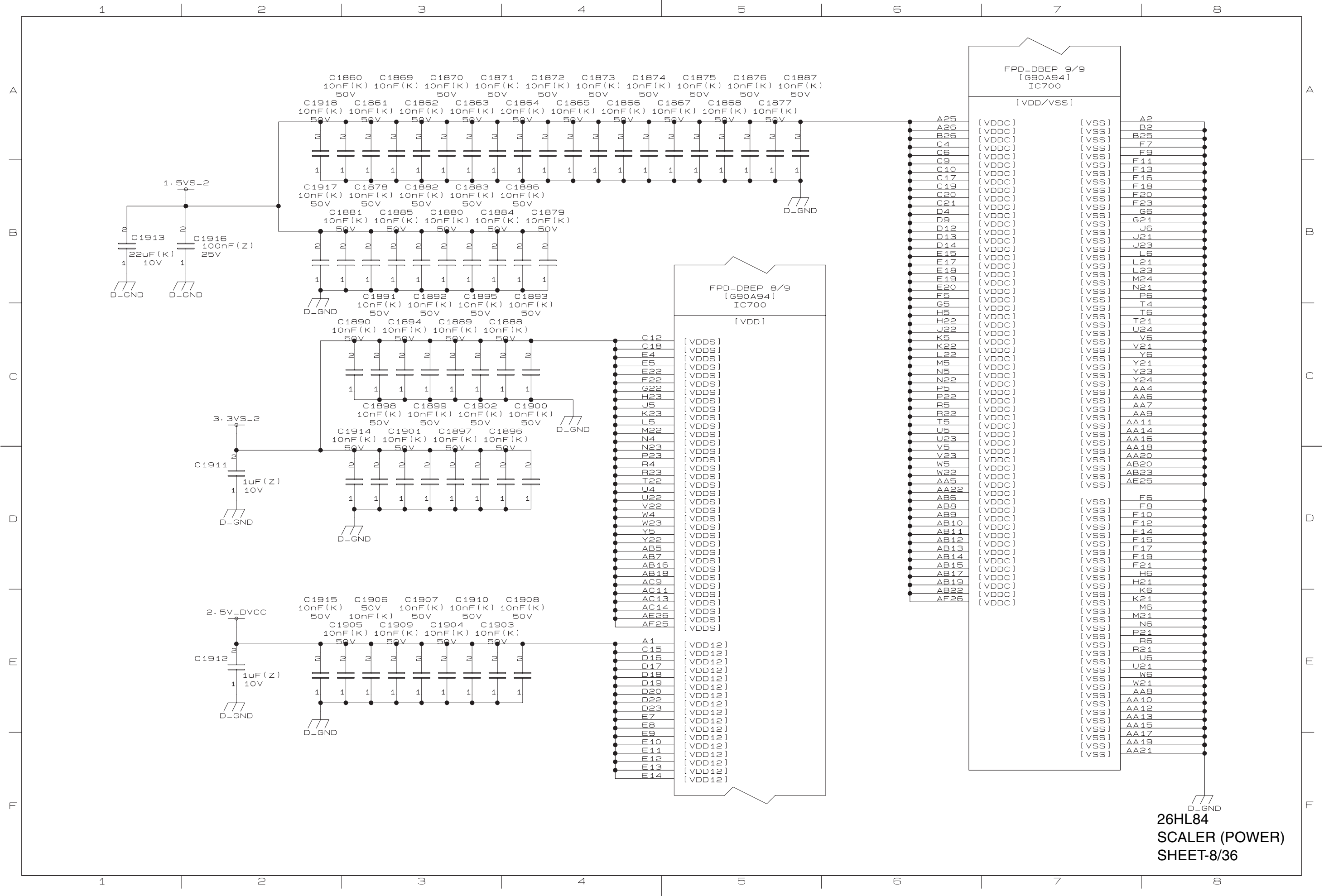


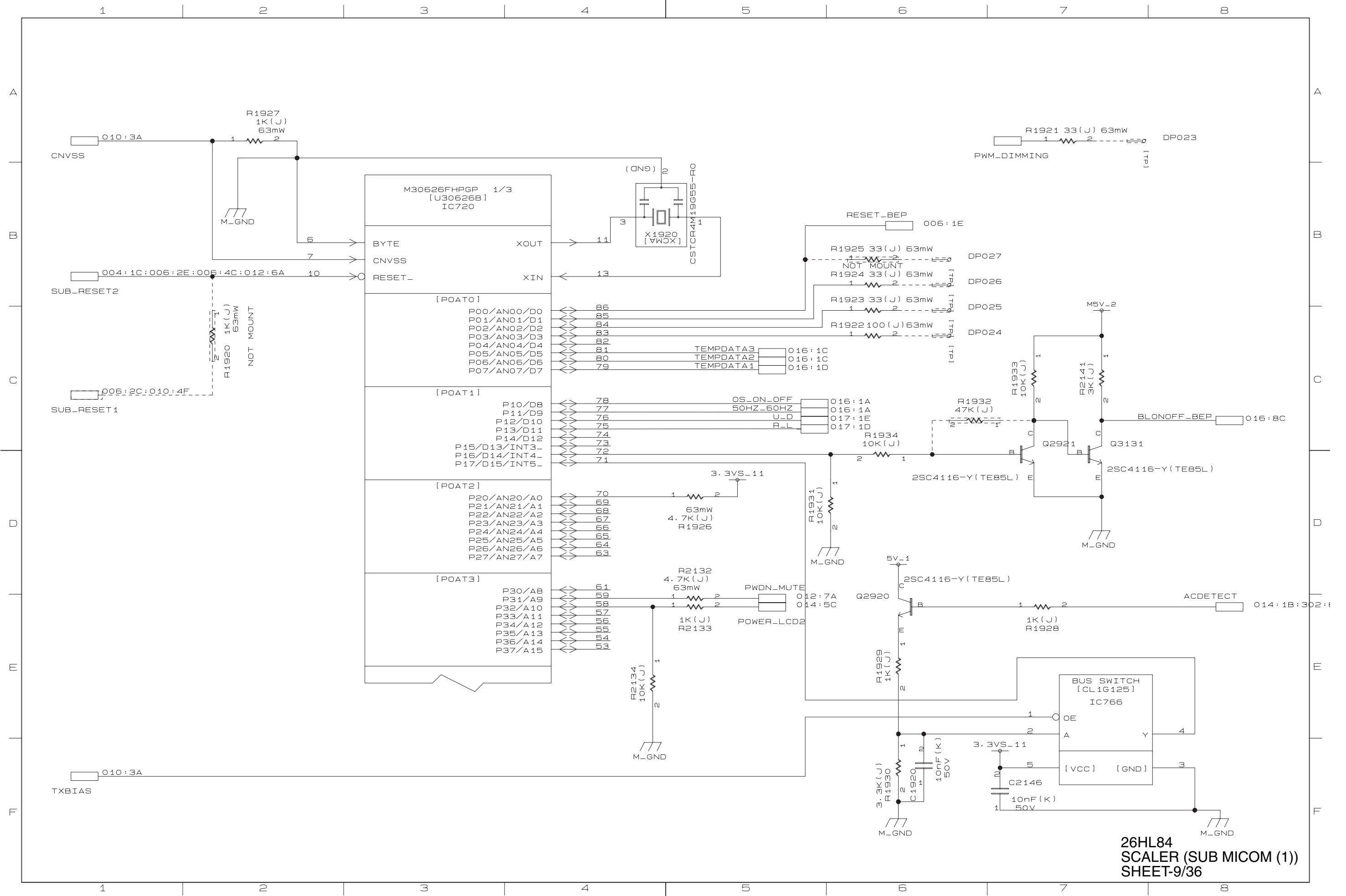


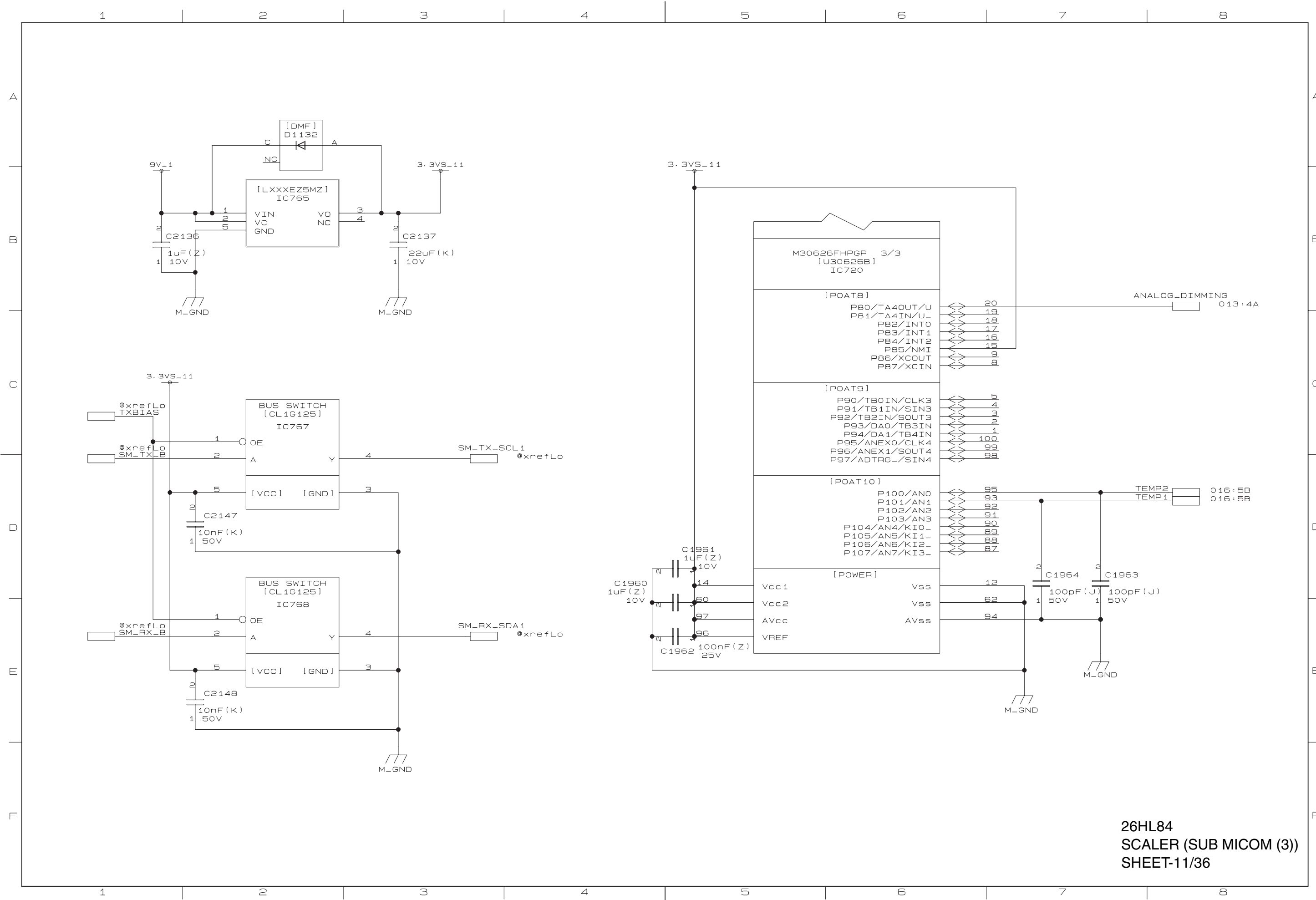


26HL84
SCALER (IIC)
SHEET-6/36

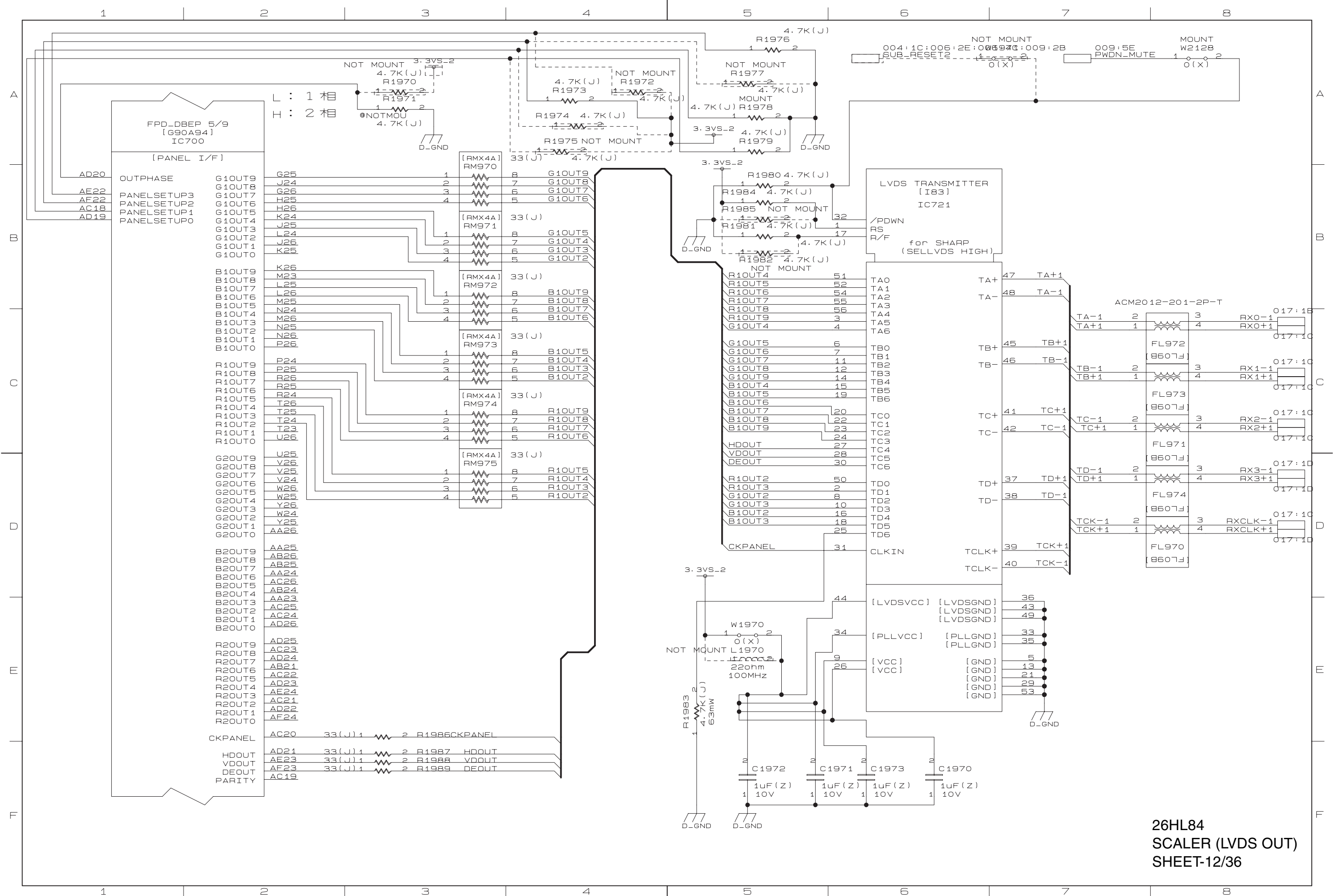


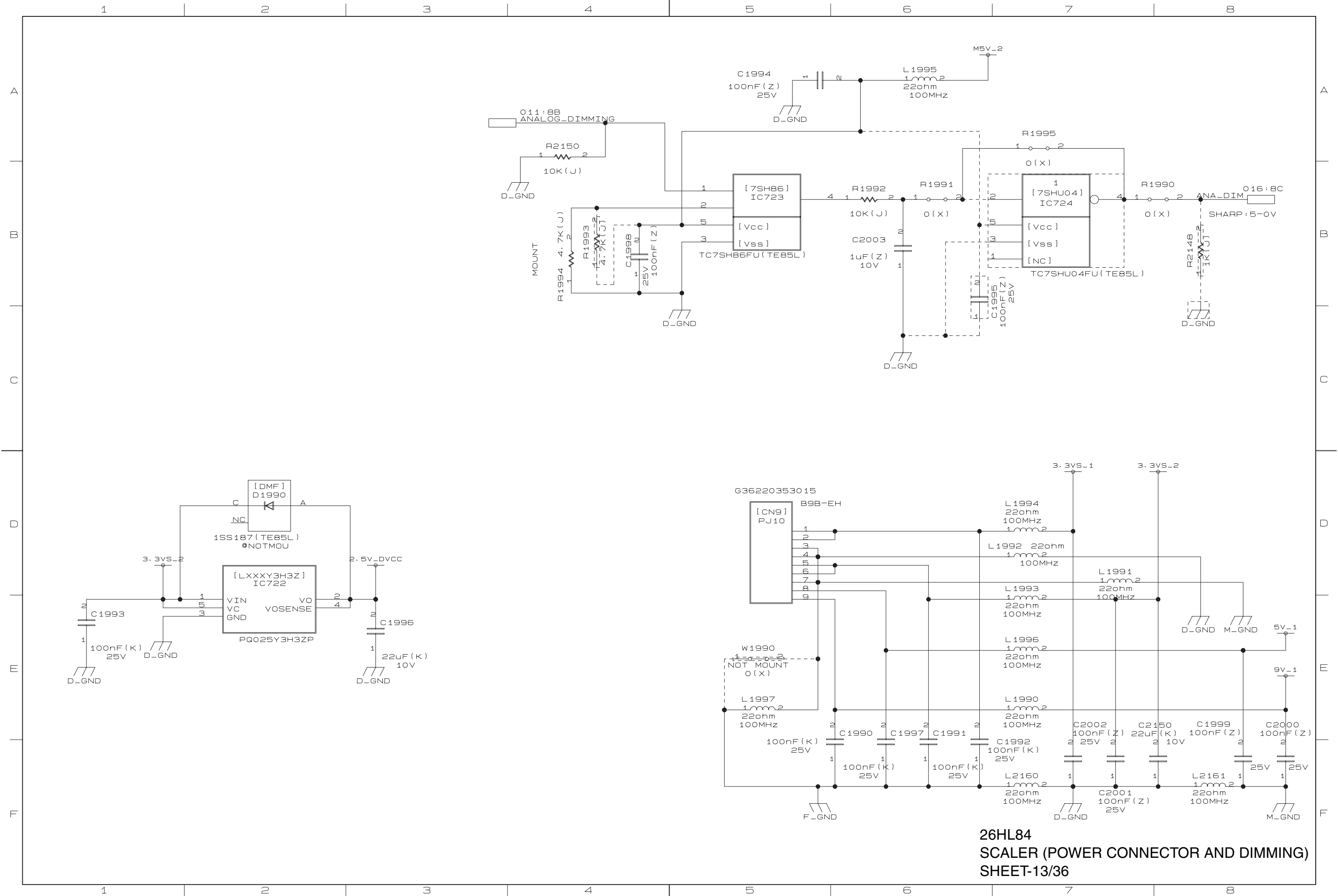




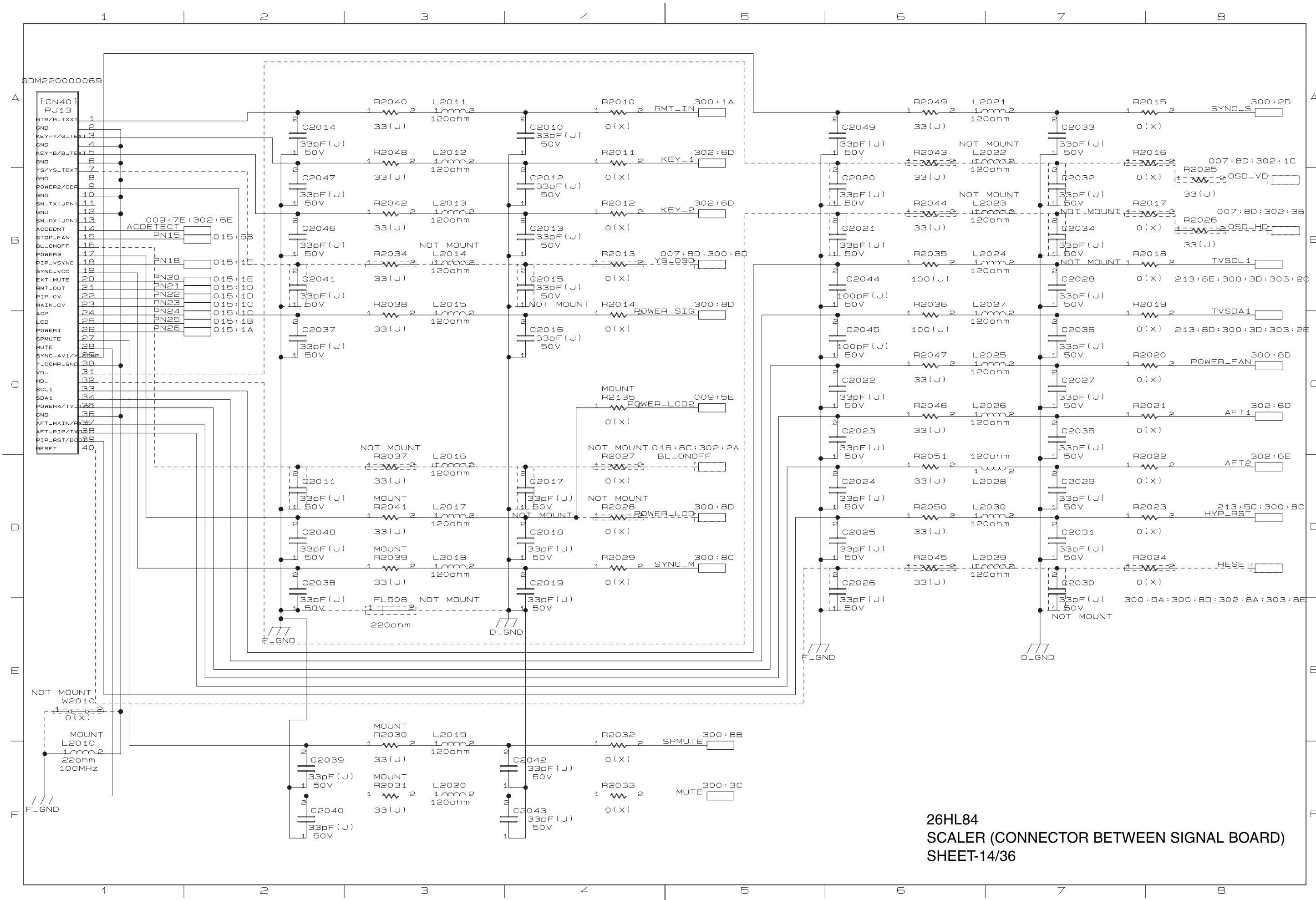


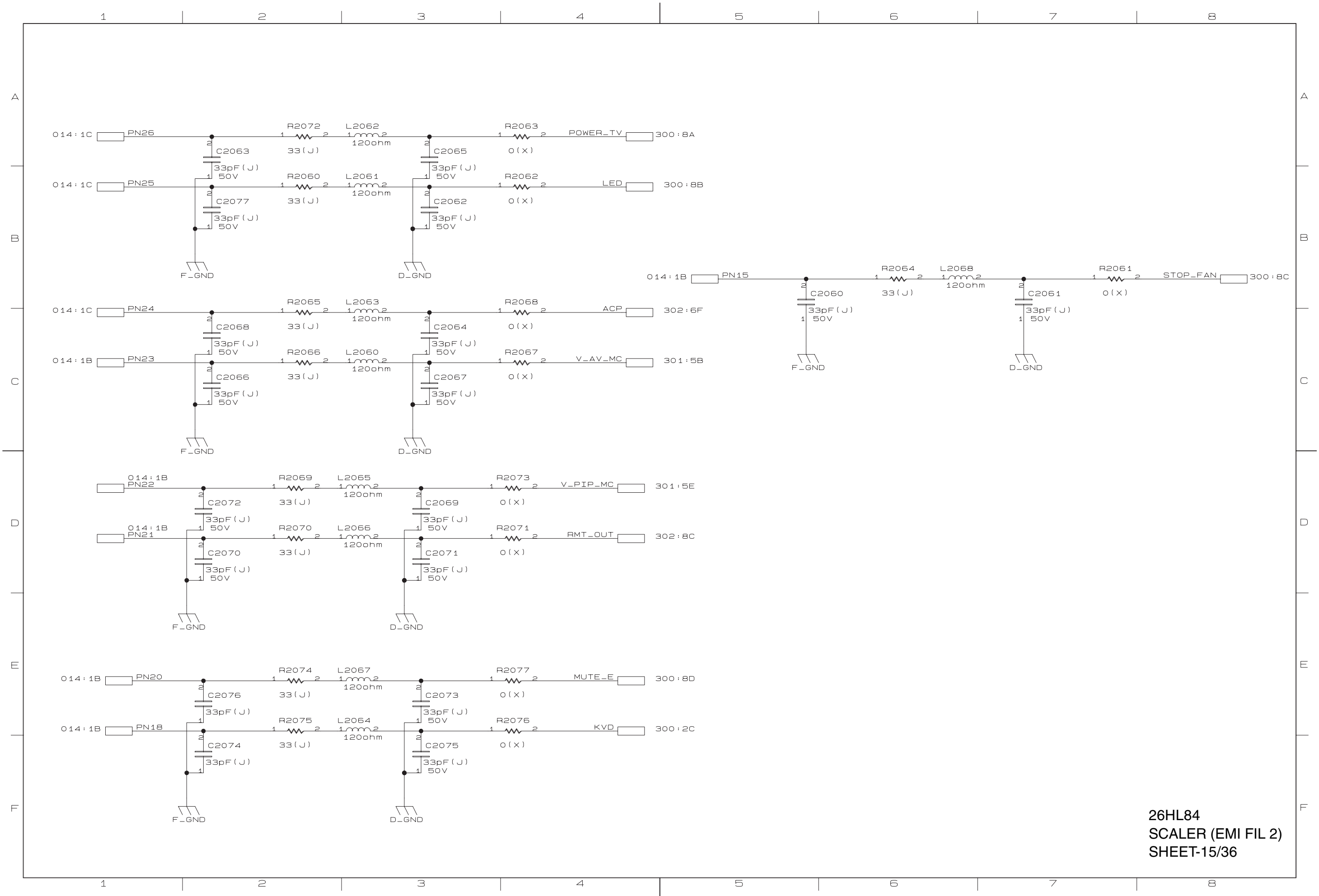
26HL84
SCALER (SUB MICOM (3))
SHEET-11/36

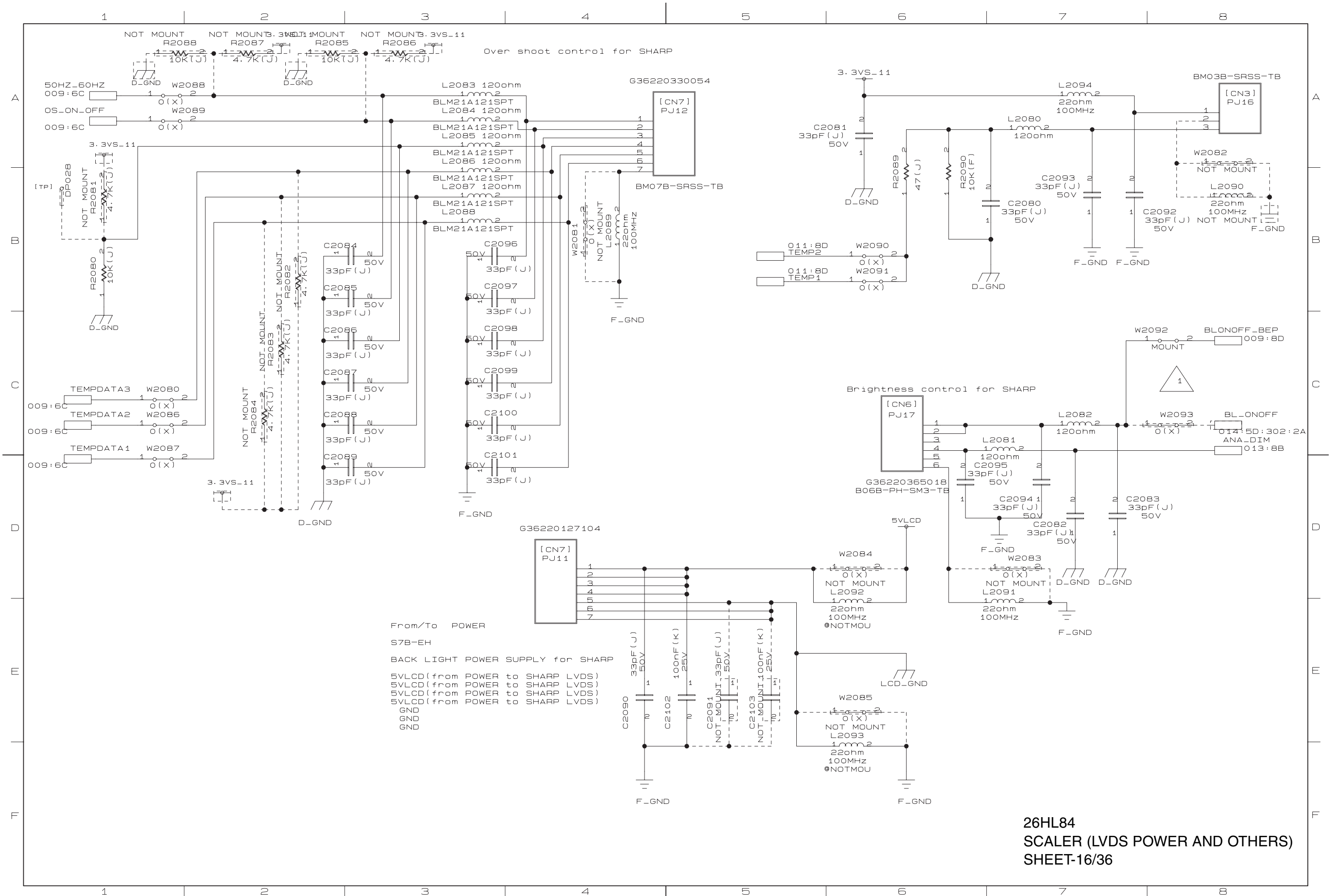


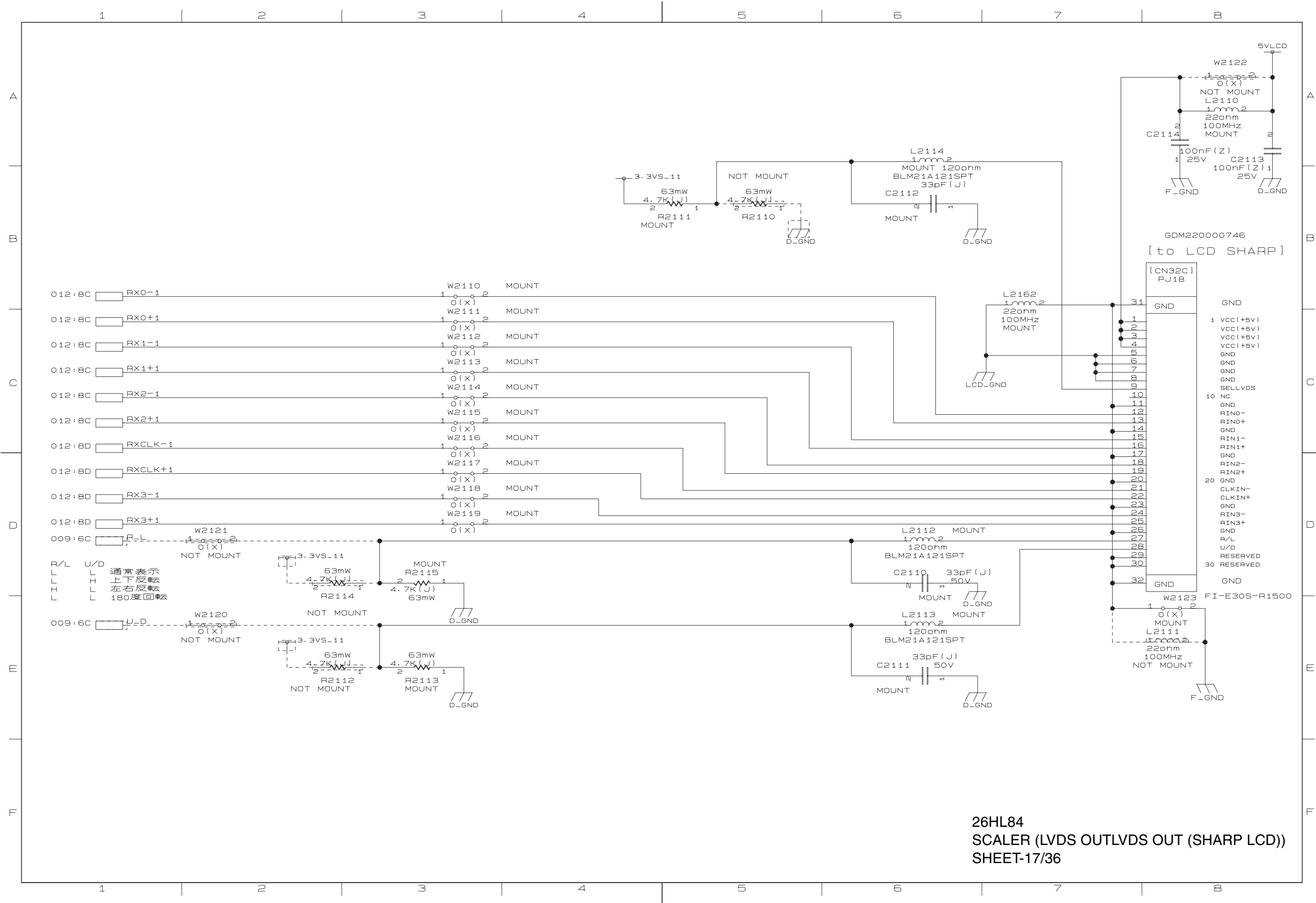


26HL84
SCALER (POWER CONNECTOR AND DIMMING)
SHEET-13/36

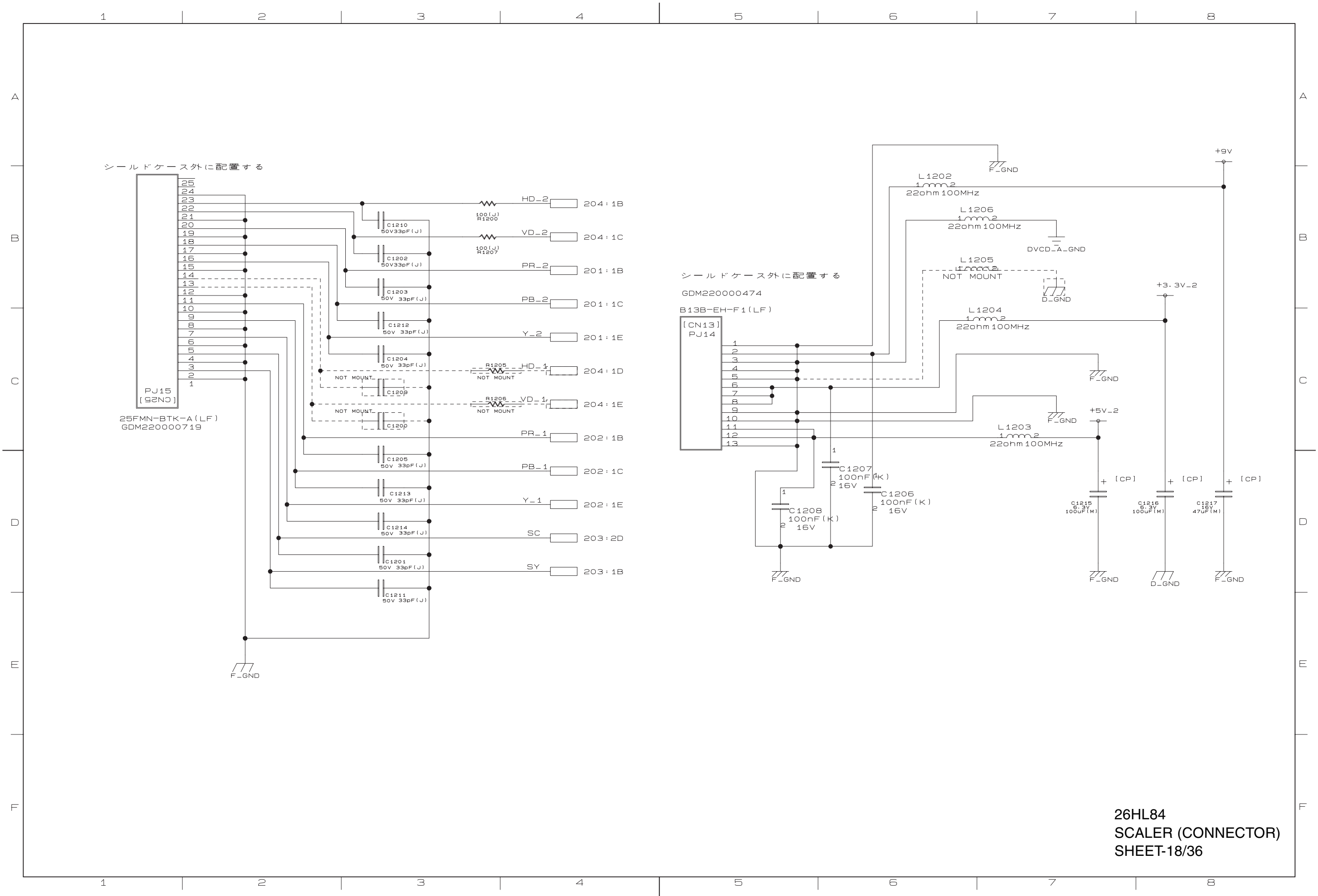




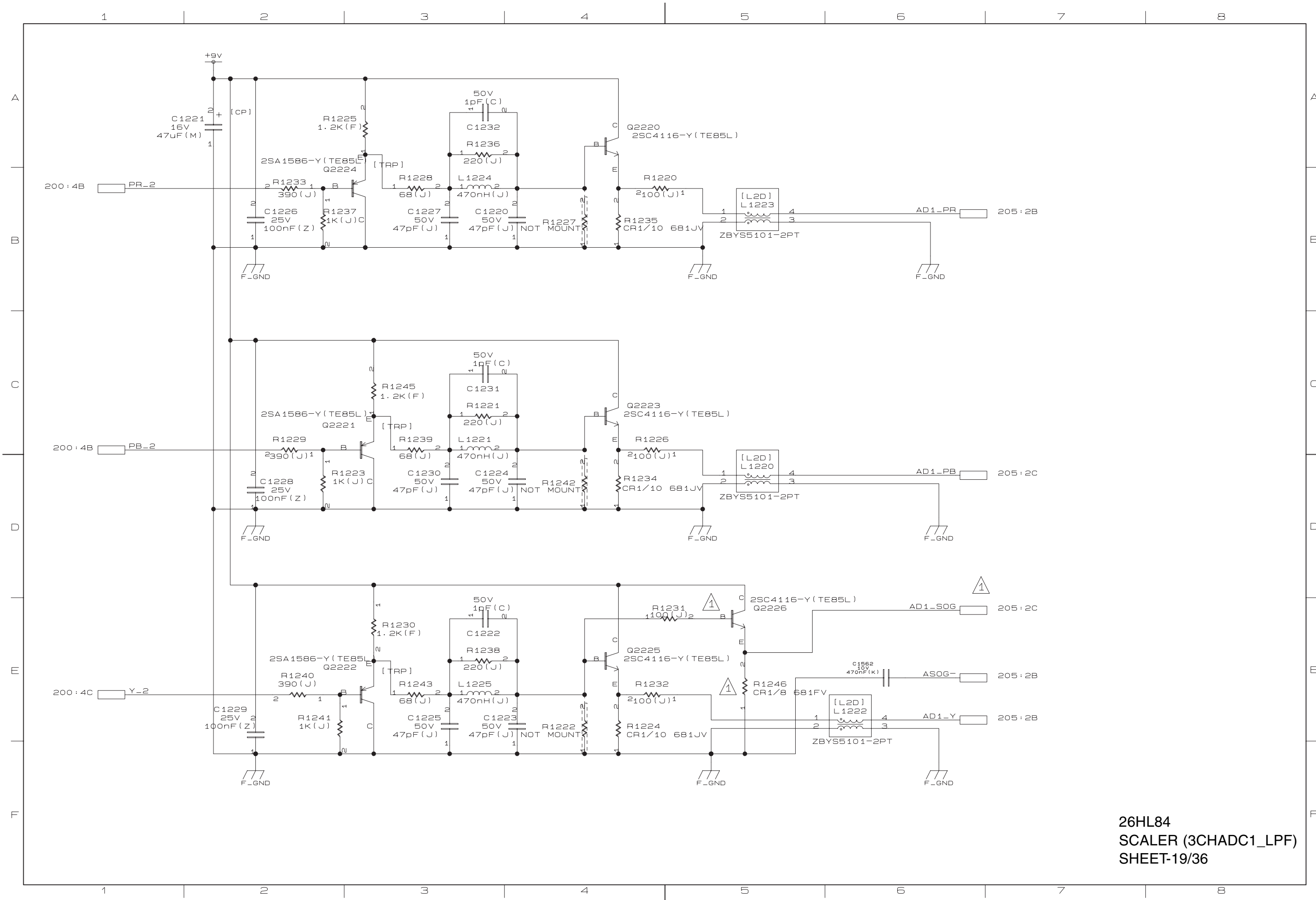


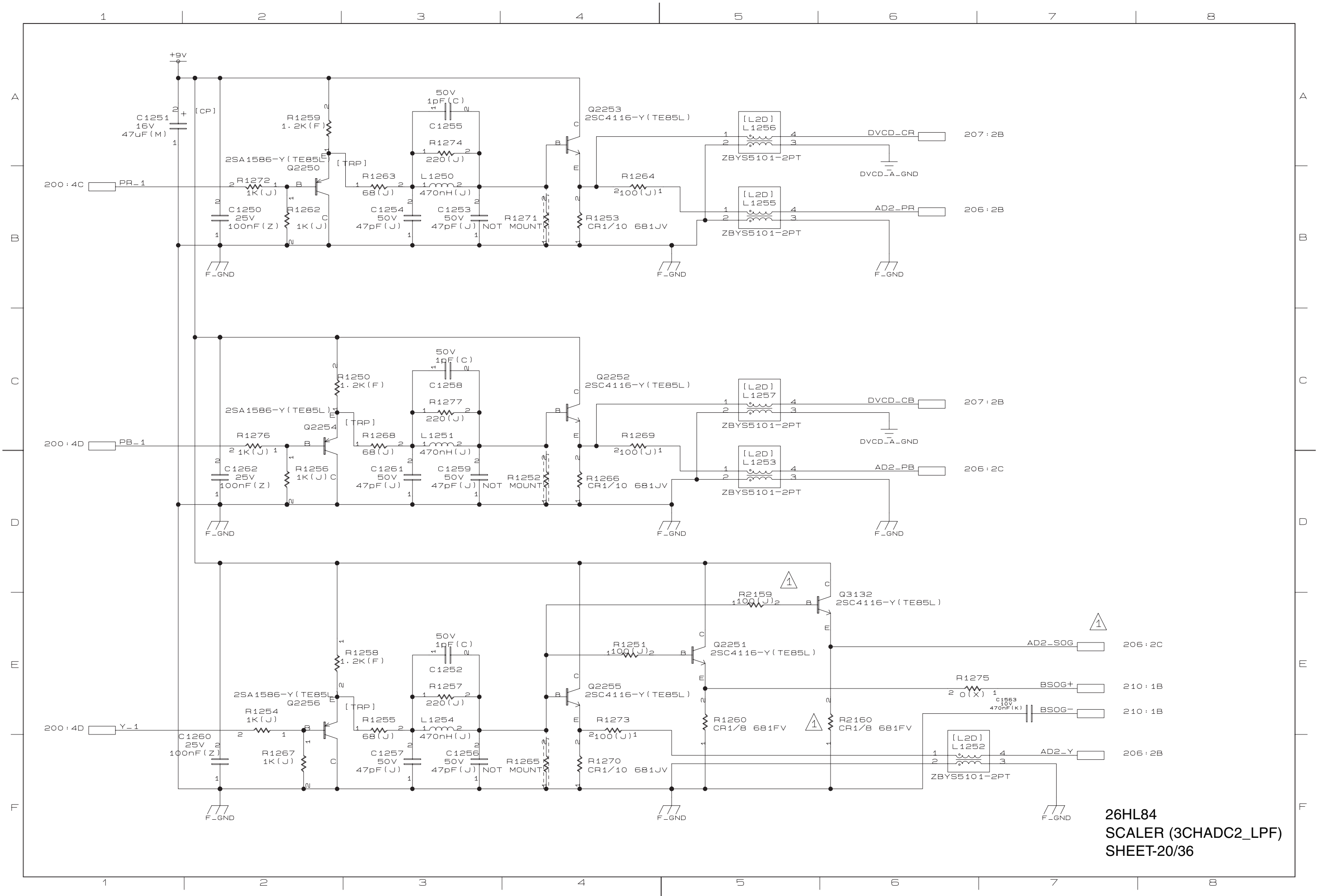


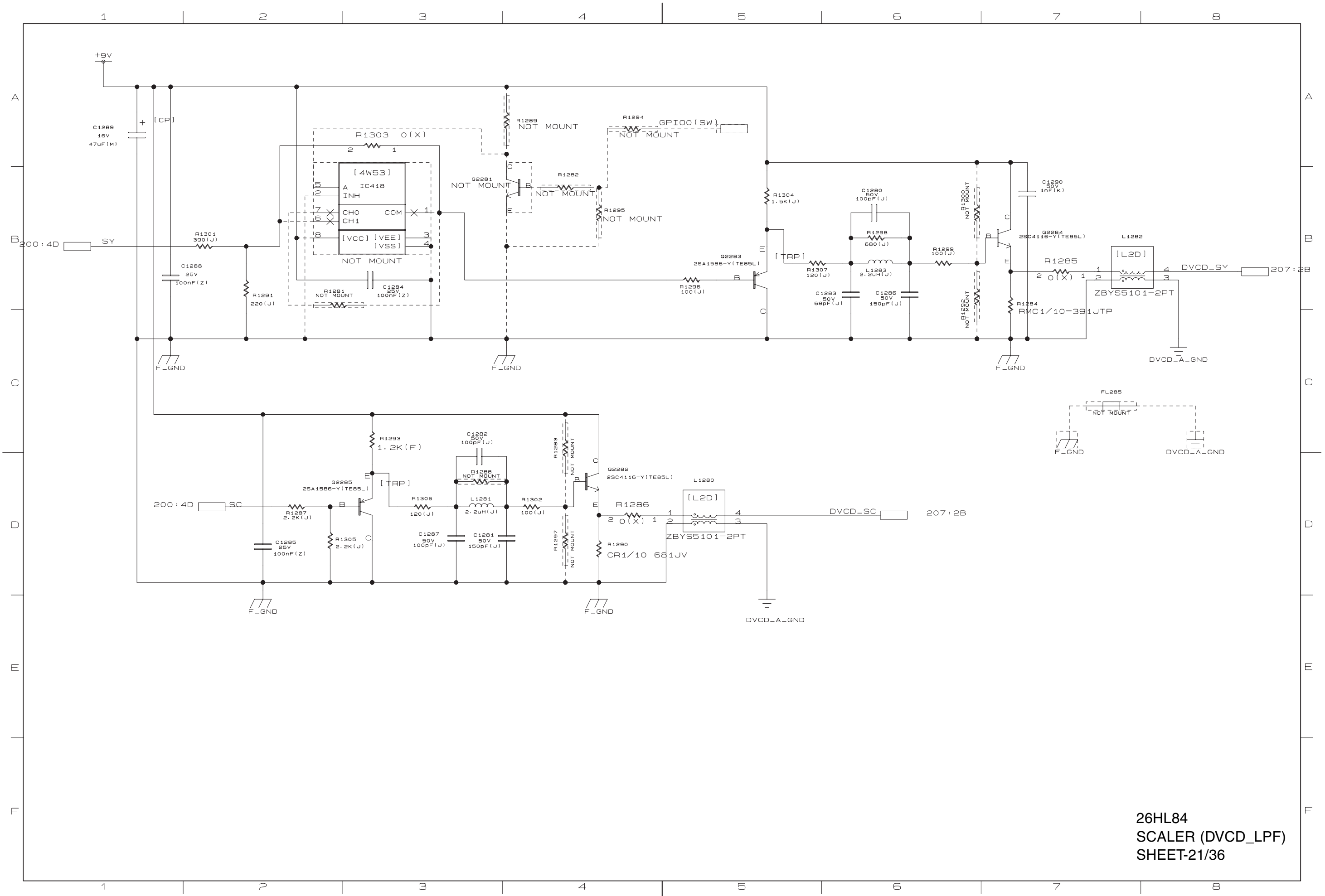
26HL84
SCALER (LVDS OUT/LVDS OUT (SHARP LCD))
SHEET-17/36



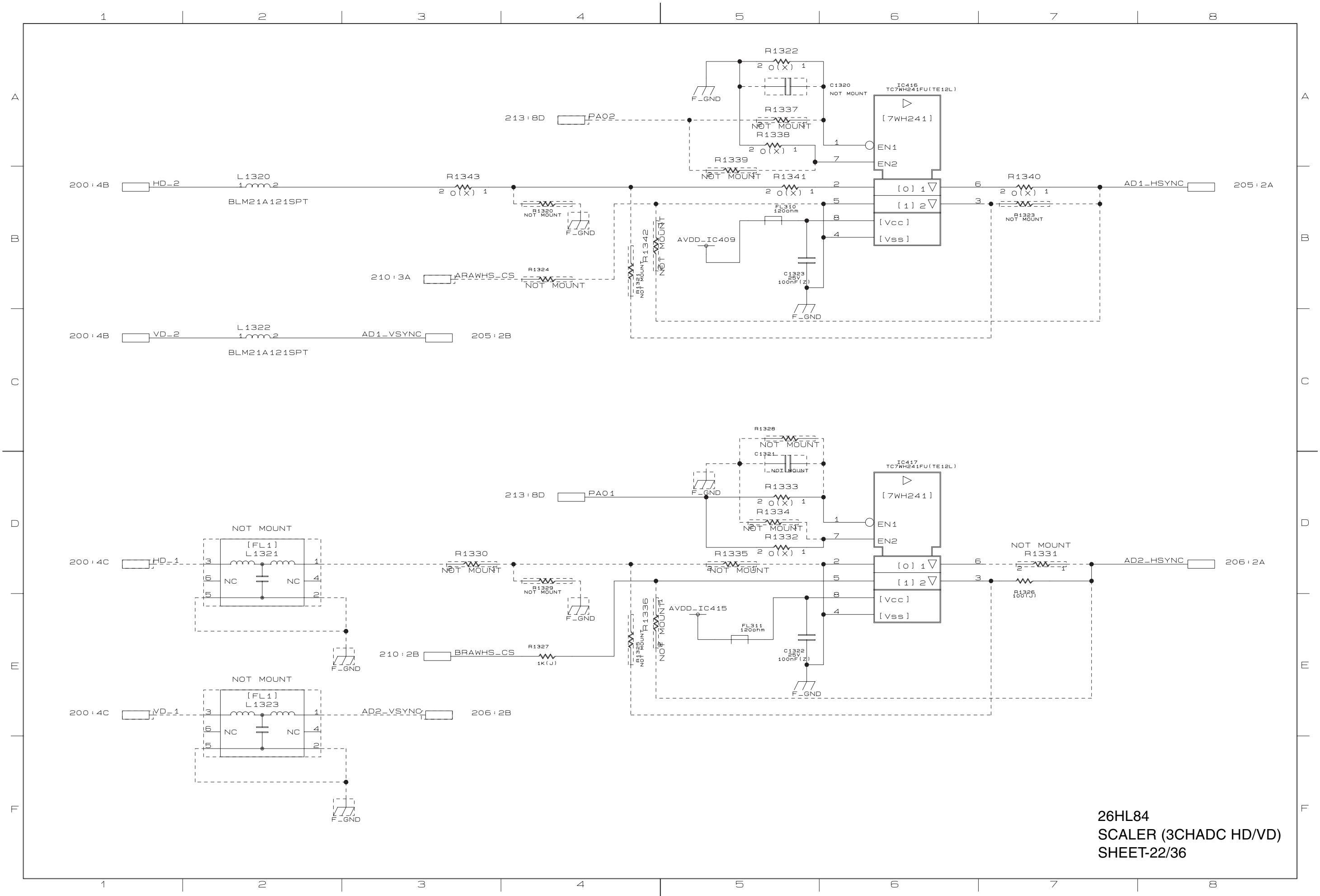
26HL84
SCALER (CONNECTOR)
SHEET-18/36



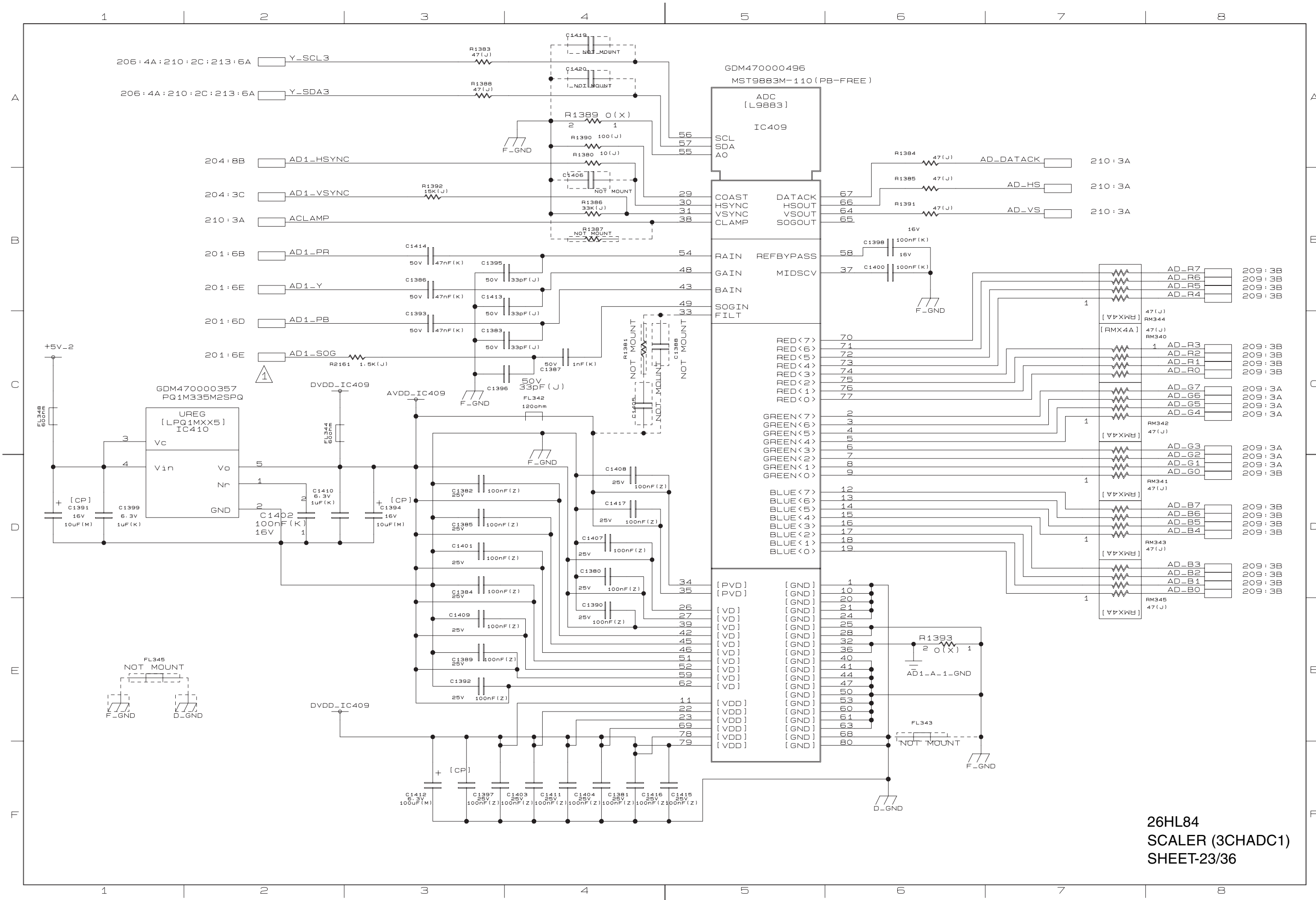




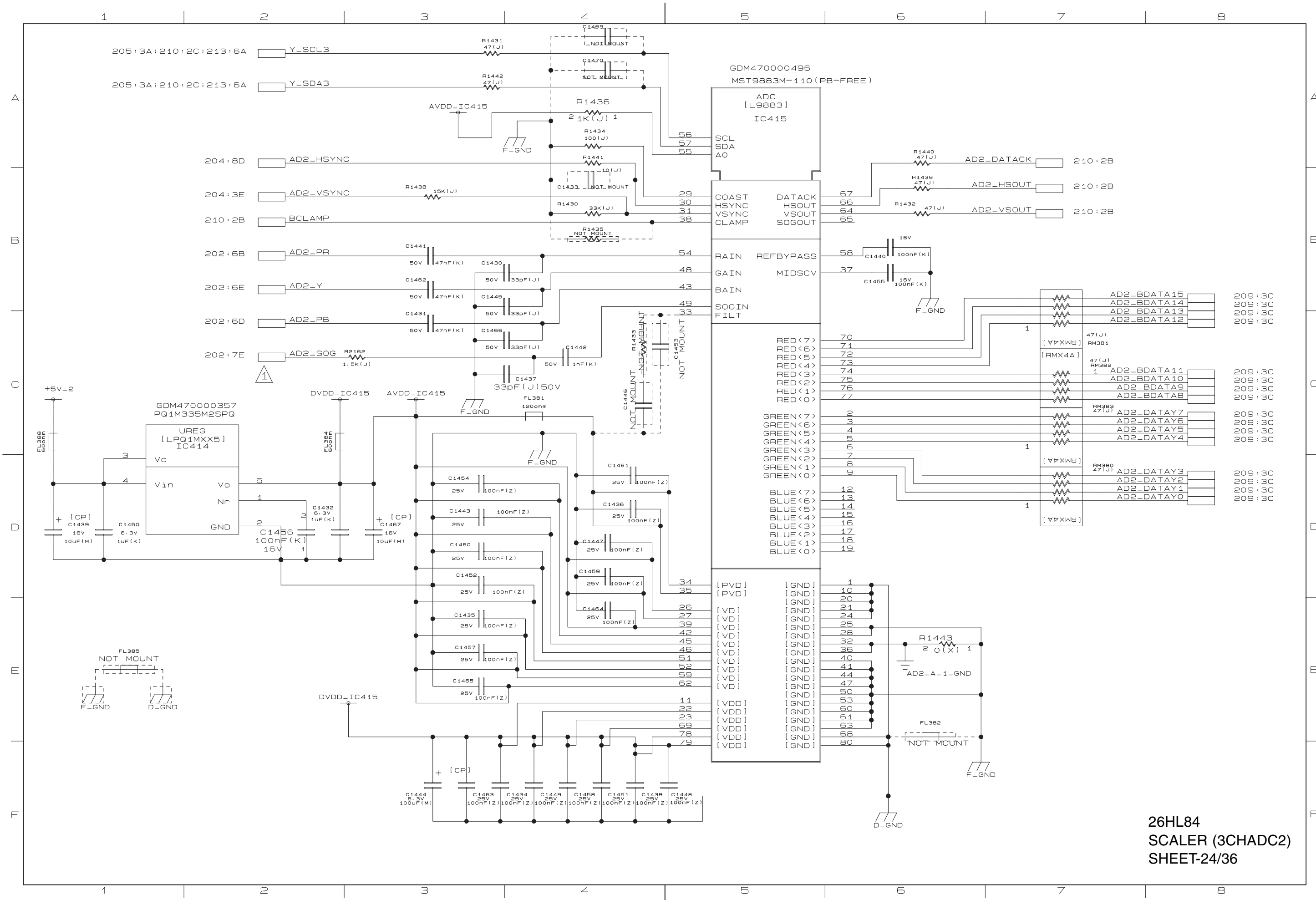
26HL84
SCALER (DVCD_LPF)
SHEET-21/36

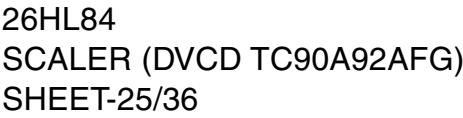


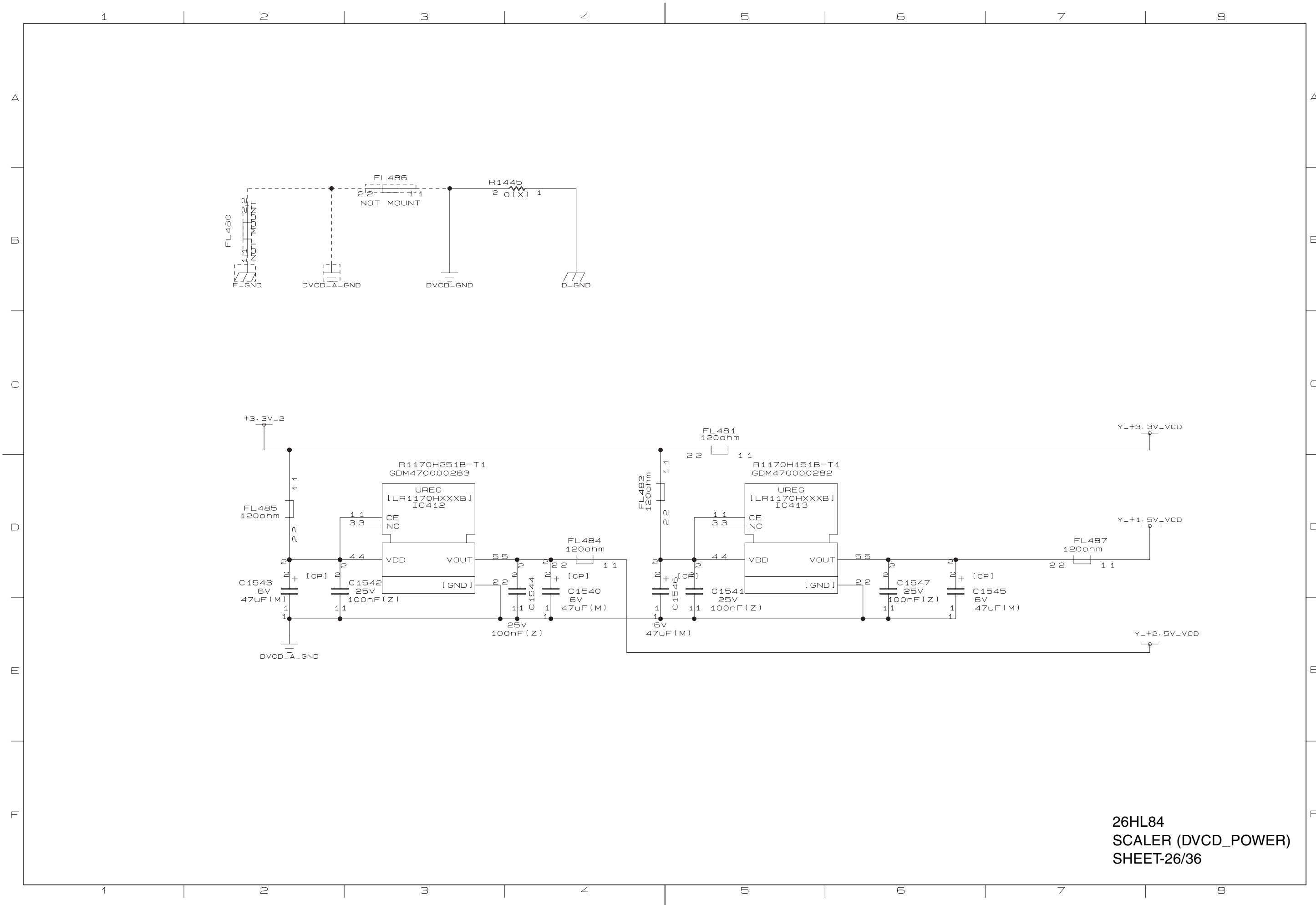
26HL84
SCALER (3CHADC HD/VD)
SHEET-22/36



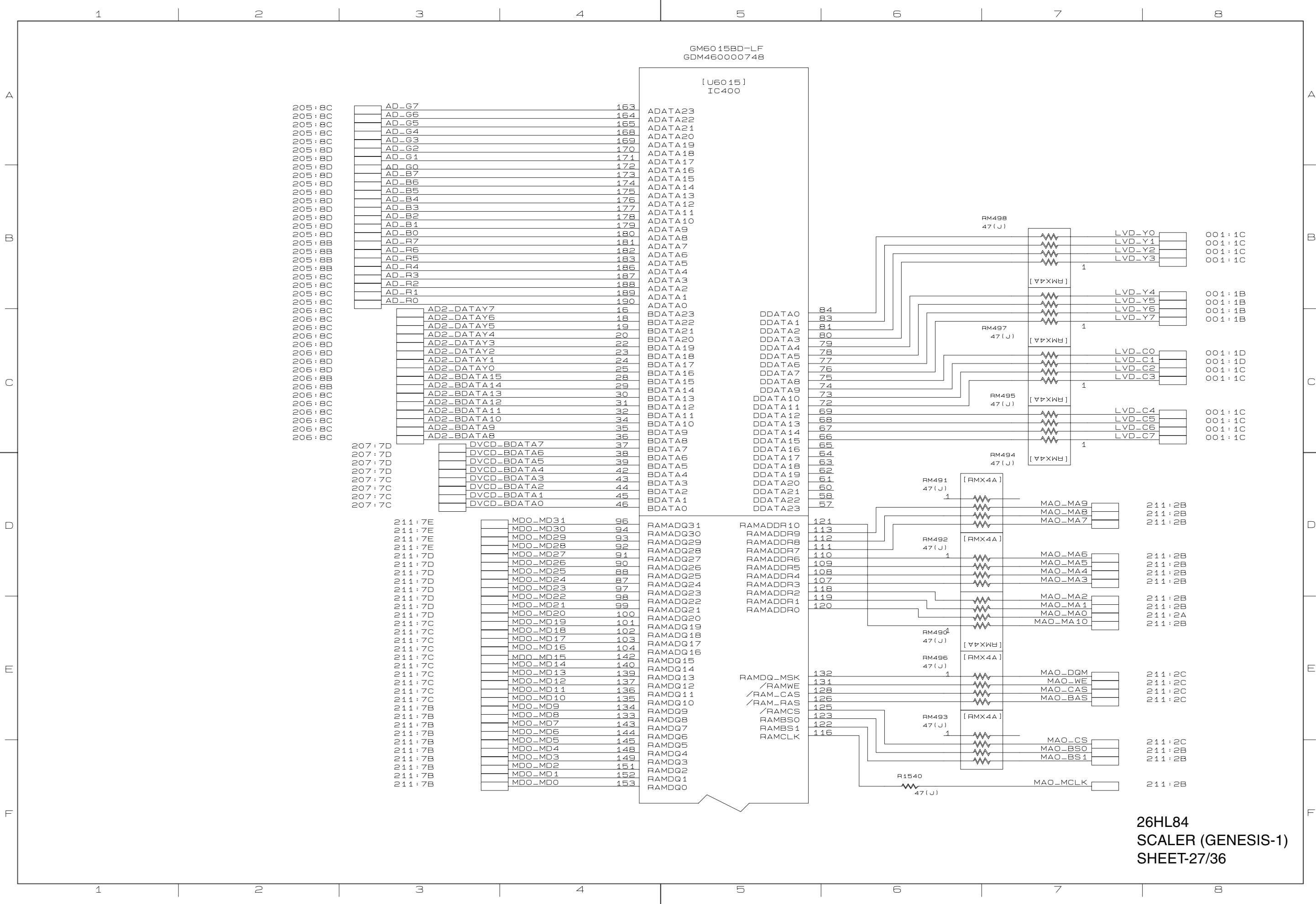
26HL84
SCALER (3CHADC1)
SHEET-23/36

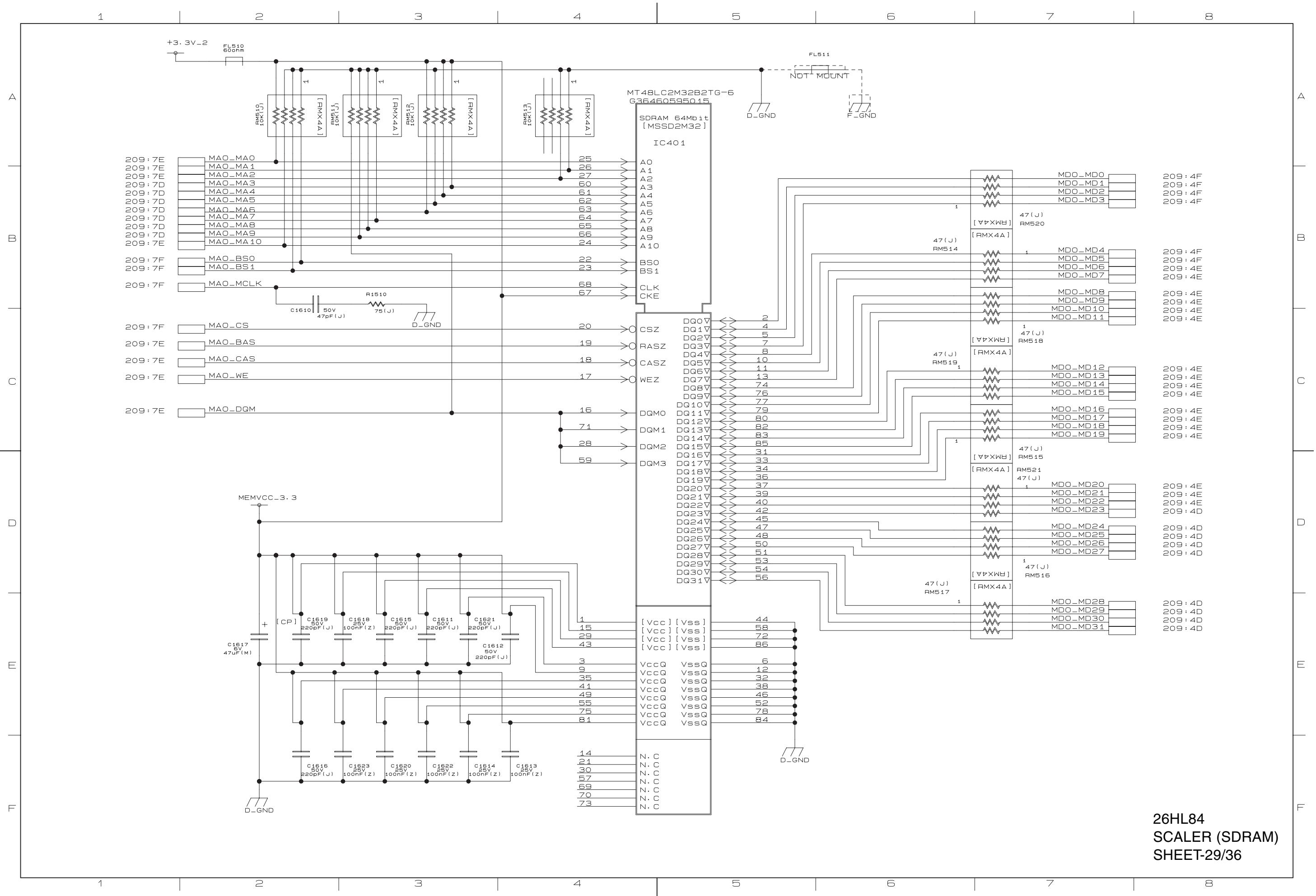


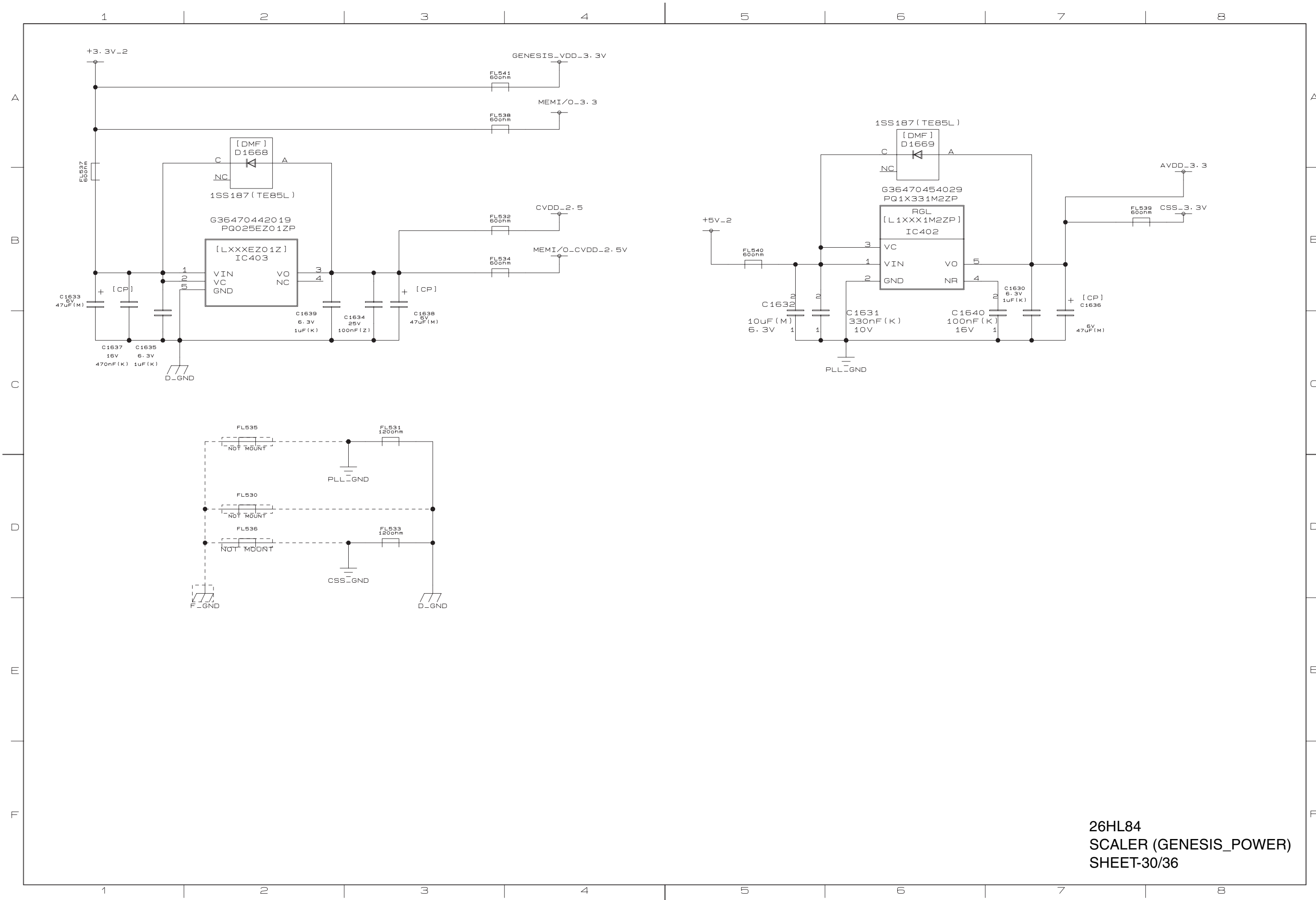




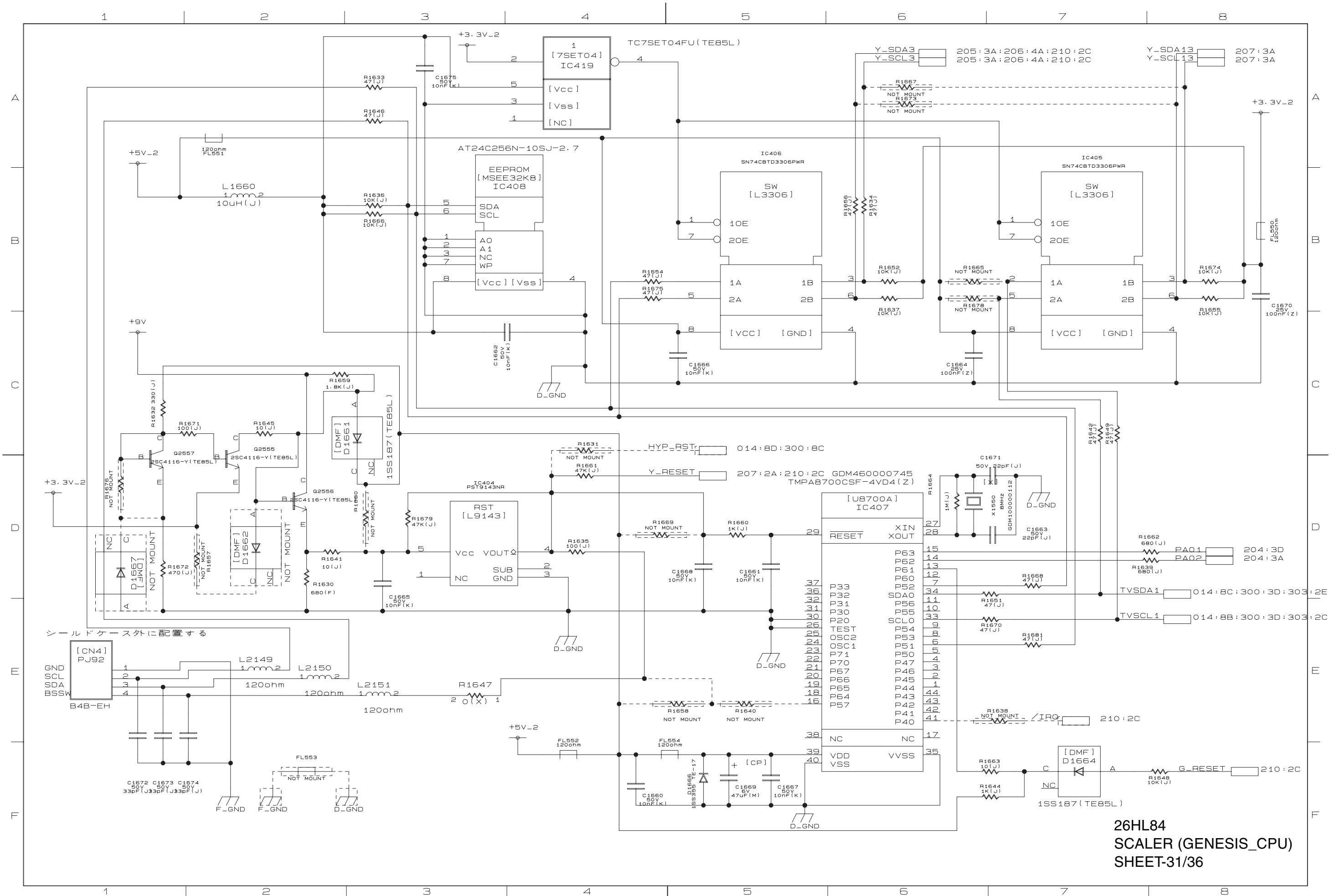
26HL84
SCALER (DVCD_POWER)
SHEET-26/36

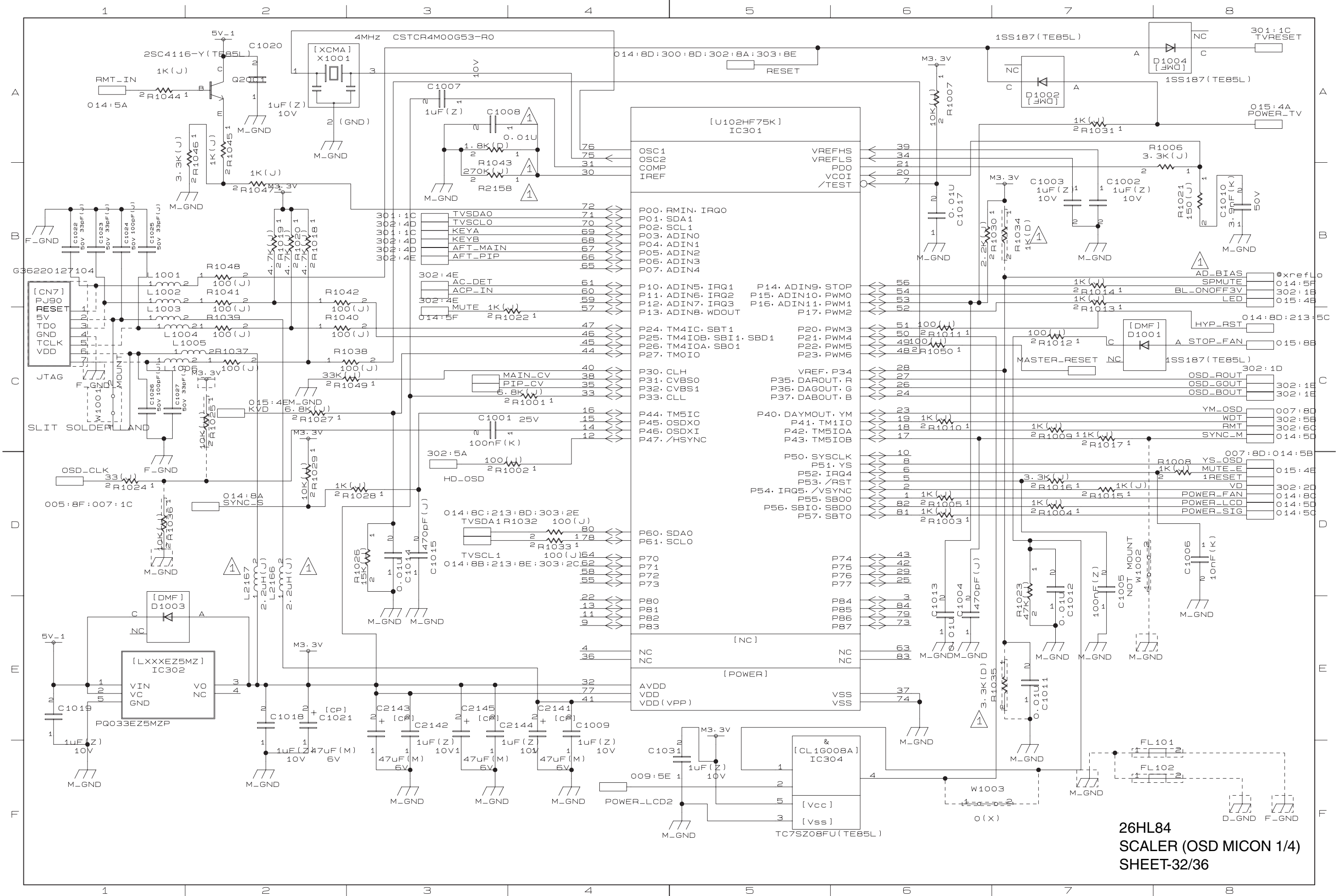


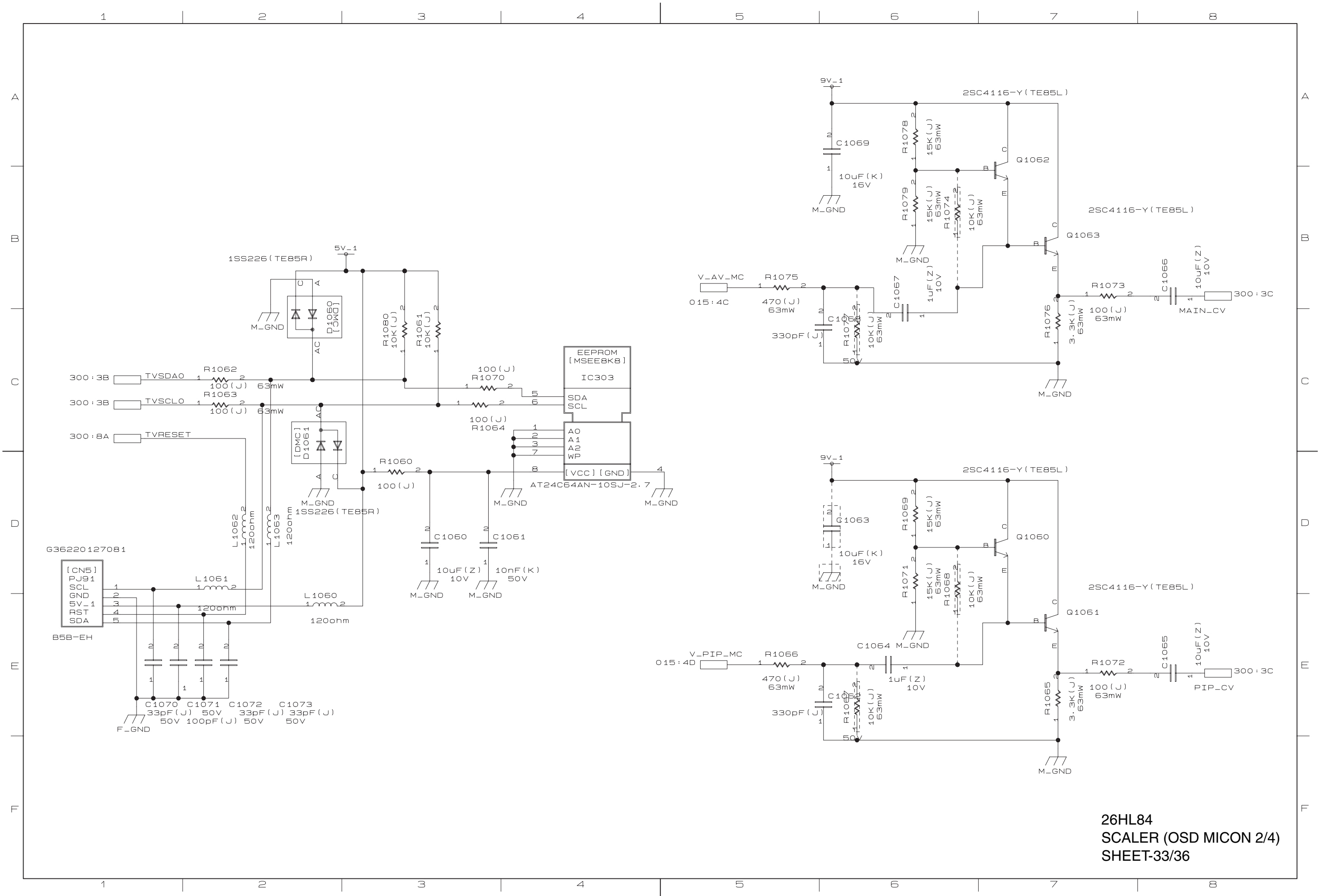


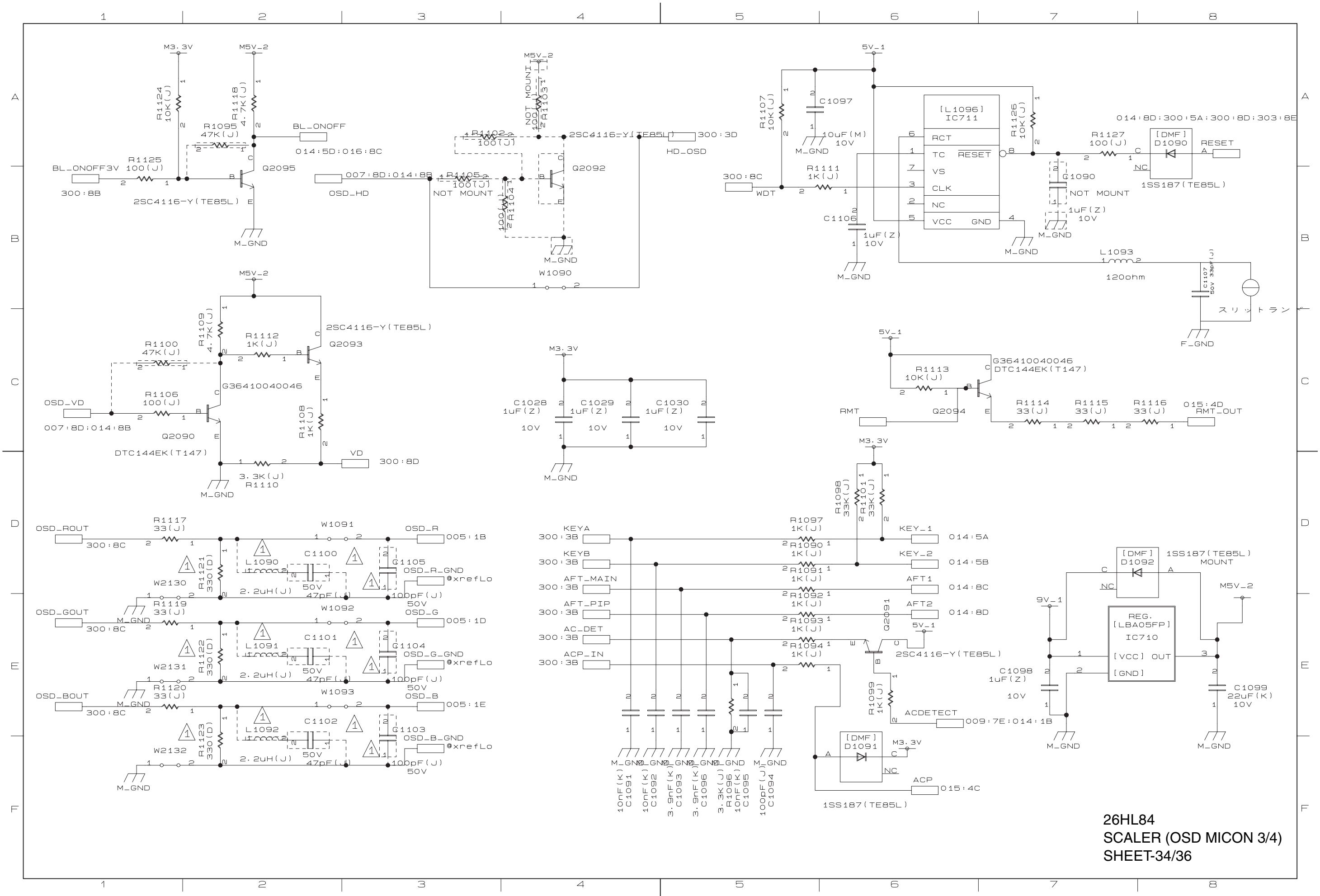


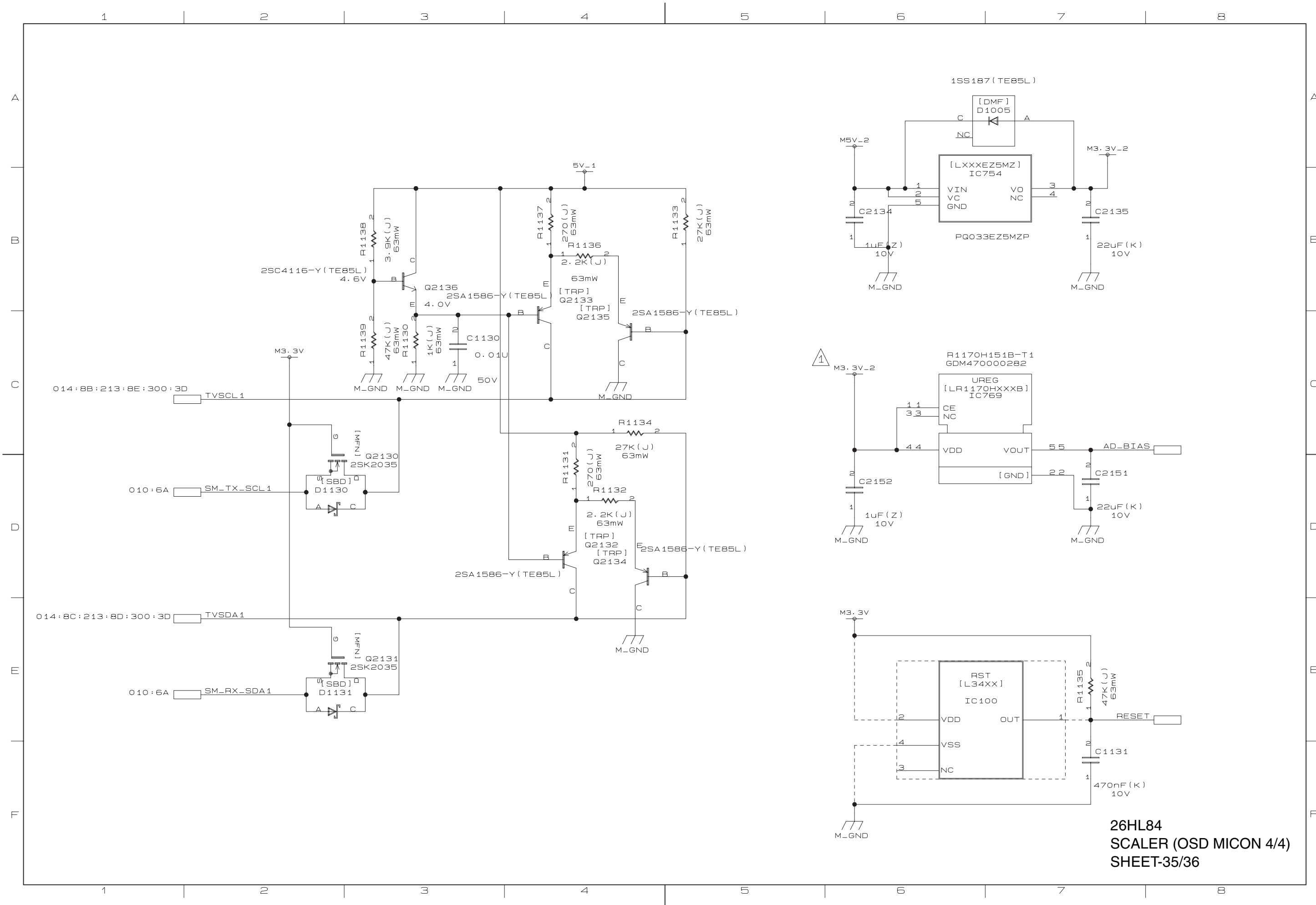
26HL84
SCALER (GENESIS_POWER)
SHEET-30/36

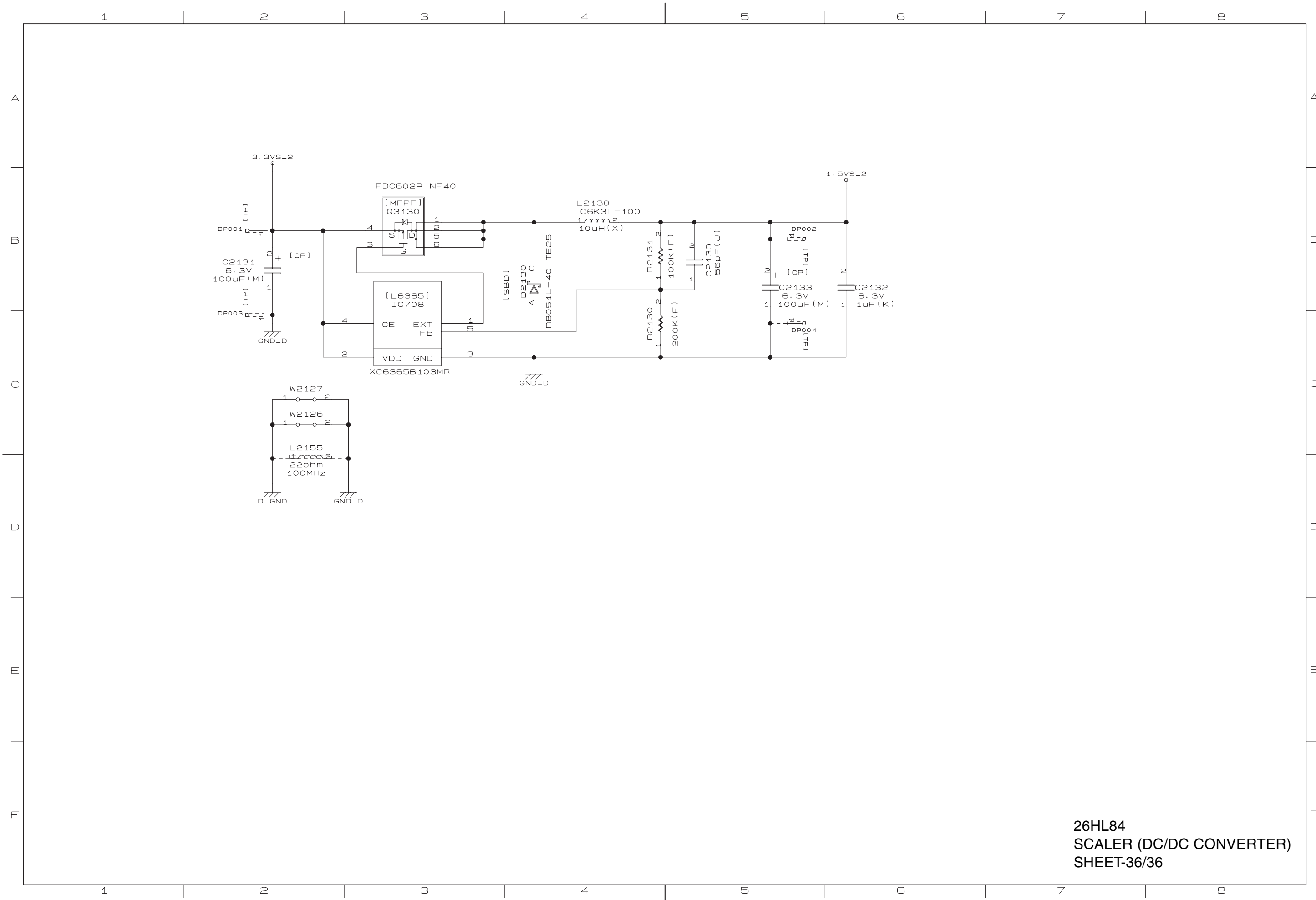












26HL84
SCALER (DC/DC CONVERTER)
SHEET-36/36