

SCHEMATIC DIAGRAM

MODEL : 42HP95/50HP95

WARNING : BEFORE SERVICING THIS CHASSIS, READ THE "SERVICE SAFETY PRECAUTIONS" ON THE MANUAL FOR THIS MODEL.

CAUTION : The international hazard symbols " Δ " 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 SERVICE SAFETY PRECAUTIONS 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 1/2S = Carbon composition of 1/2 watt
1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
K = $\pm 10\%$ G = $\pm 2\%$ F = $\pm 1\%$
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 " Δ " 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 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.

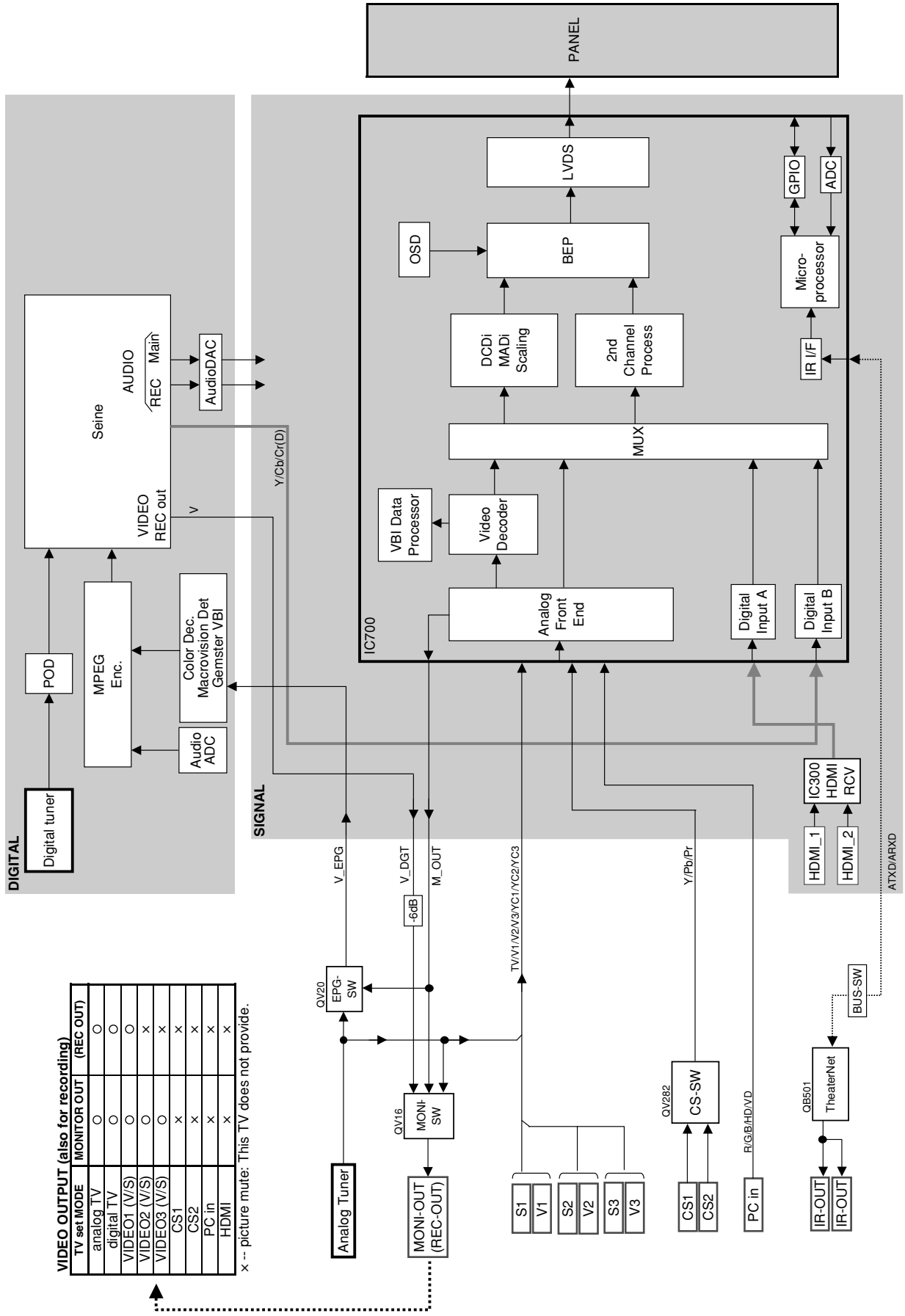
■ SCHEMATIC DIAGRAM STRUCTURE:

MULTI CARD		[SHEET-1/4]	1/128
		[SHEET-2/4]	2/128
		[SHEET-3/4]	3/128
		[SHEET-4/4]	4/128
TN/AV A-OUT	CONNECTOR	[SHEET-1/8]	5/128
	AV TERMINAL	[SHEET-2/8]	6/128
	RF-SW&TIF	[SHEET-3/8]	7/128
	A-OUT	[SHEET-4/8]	8/128
	VIDEO-SW	[SHEET-5/8]	9/128
	AUDIO-SW	[SHEET-6/8]	10/128
	IR-MICON	[SHEET-7/8]	11/128
	EXPANDER FOR PDP	[SHEET-8/8]	12/128
FRONT-AV		13/128
IR LED		14/128
KEY		15/128
LOWB		16/128
SIGNAL	ANALOG IN	[SHEET-200]	17/128
	D IN A	[SHEET-300]	18/128
	D IN B	[SHEET-301]	19/128
	HDMI (Link, I2C)	[SHEET-302]	20/128
	HDMI Rx#2 (Video/Audio)	[SHEET-303]	21/128
	HDMI Rx#3 (PWR,Audio)	[SHEET-304]	22/128
	HDMI AUDIO PLL	[SHEET-305]	23/128
	HDMI AUDIO DAC	[SHEET-306]	24/128
	HDMI AUDIO OUT	[SHEET-307]	25/128
	HDMI CONTROLLER	[SHEET-308]	26/128
	EEPROM1	[SHEET-309]	27/128
	EEPROM2	[SHEET-310]	28/128
	MICRO I/O	[SHEET-400]	29/128
	OCM MEMORY I/F	[SHEET-401]	30/128
	FLASH MEMORY	[SHEET-402]	31/128
	SYNC SEPA	[SHEET-403]	32/128
	E2P OTHER	[SHEET-404]	33/128
	STD-BY MICOR	[SHEET-405]	34/128
	CORTEZ REG 1	[SHEET-406]	35/128
	CORTEZ REG 2	[SHEET-407]	36/128
	CORTEZ REG 3	[SHEET-408]	37/128
	BOOT CONFIG	[SHEET-409]	38/128
	SERVICE CONNECTOR	[SHEET-410]	39/128
	I2C Switch	[SHEET-411]	40/128
	STBY MICRO for DVD internal	[SHEET-412]	41/128
	DVD 10pin connector	[SHEET-413]	42/128
	I2C Level shift	[SHEET-414]	43/128
	AUDIO	[SHEET-600]	44/128
	AUDIO MSP	[SHEET-601]	45/128
	CORTEZ 1	[SHEET-700]	46/128
	CORTEZ 2	[SHEET-701]	47/128
	DDR I/F	[SHEET-702]	48/128
	DDR SDRAM	[SHEET-703]	49/128
	DDR TERMINATION	[SHEET-704]	50/128
	DCDC CONV.	[SHEET-802]	51/128
	LVDS OUT	[SHEET-900]	52/128
	LVDS OUT(SHARP LCD)	[SHEET-901]	53/128
	Power Connector and Dimming	[SHEET-902]	54/128
	LVDS Power and Others	[SHEET-903]	55/128

SEIN FPD FULL NON LAN	SEINE RESET/CLOCK/TIMER/IRC	[SHEET-1] 56/128
	SEINE SLOW BUS	[SHEET-2] 57/128
	SLOW BUS ADDRESS REGISTER	[SHEET-3] 58/128
	SEINE IIC/UART	[SHEET-4] 59/128
	SEINE PIO	[SHEET-5] 60/128
	ROM/FLASH	[SHEET-6] 61/128
	M-SYSTEM(NANDFLASHROM)	[SHEET-7] 62/128
	IR	[SHEET-8] 63/128
	GLINK IR-OUT	[SHEET-9] 64/128
	CLOCK GEN.	[SHEET-10] 65/128
	USB I/F	[SHEET-11] 66/128
	UART0 INTERFACE	[SHEET-12] 67/128
	EJTAG CONNECTOR	[SHEET-13] 68/128
	SEINE PCI BUS	[SHEET-14] 69/128
	MPU POWER	[SHEET-16] 70/128
	Ext UART	[SHEET-17] 71/128
	MACPHYTER 1	(1/2) [SHEET-20] 72/128
		(2/2) [SHEET-21] 73/128
	RJ45	[SHEET-22] 74/128
	TUENR CONNECTOR	[SHEET-100] 75/128
	T313(Signal)	[SHEET-101] 76/128
	1.1VRegulator	[SHEET-102] 77/128
	T313(Power)	[SHEET-103] 78/128
	Seine TS I/F	[SHEET-150] 79/128
	SEINE CAPTURE IN	[SHEET-200] 80/128
	VIDEO POWER	[SHEET-210] 81/128
	SEINE DIGITAL OUT	[SHEET-220] 82/128
	SEINE-BEP IF	[SHEET-221] 83/128
	SEINE DAC OUT	[SHEET-225] 84/128
	DOWN CON OUT DRIVER	[SHEET-226] 85/128
	HD OUT LPF	[SHEET-227] 86/128
	MACRO VCD	(1/2) [SHEET-240] 87/128
		(2/2) [SHEET-241] 88/128
	VIDEO LPF	[SHEET-242] 89/128
	MPEG Enc. (CLK, SDRAM)	[SHEET-250] 90/128
	MPEG Enc. (AV I/F)	[SHEET-251] 91/128
	MPEG Enc. (STREAM I/F)	[SHEET-252] 92/128
	MPEG Enc. (POWER)	[SHEET-253] 93/128
	LPF, Slicer	[SHEET-260] 94/128
	H/V Sync Sep.	[SHEET-261] 95/128
	AUDIO POWER	[SHEET-300] 96/128
	SEINE AUDIO I/F	[SHEET-301] 97/128
	AUDIO DAC	[SHEET-302] 98/128
	AUDIO PLL/DAC	[SHEET-303] 99/128
	AUDIO VTR OUT	[SHEET-304] .. 100/128
	AUDIO SP OUT	[SHEET-305] .. 101/128
	MPEG2 AUDIO TV IN	[SHEET-306] .. 102/128
	MPEG2 AUDIO ADC	[SHEET-307] .. 103/128
	MPEG2 AUDIO PLL	[SHEET-308] .. 104/128
	AUDIO DAC 0.1CH	[SHEET-309] .. 105/128
	AUDIO VTR OUT	[SHEET-310] .. 106/128
	MB86619	[SHEET-400] .. 107/128
	MB86619 (POWER)	[SHEET-401] .. 108/128
	CPLD XILINX	[SHEET-700] .. 109/128
	SLOWBUS	[SHEET-701] .. 110/128
	PODVPP	[SHEET-702] .. 111/128

SEIN FPD FULL NON LAN	—	POD I/F	[SHEET-703] .. 112/128
	—	PODVCC	[SHEET-704] .. 113/128
	—	DDR SDRAM I/F	[SHEET-901] .. 114/128
	—	DDR 1	[SHEET-902] .. 115/128
	—	DDR 2	[SHEET-903] .. 116/128
	—	DDR 3	[SHEET-904] .. 117/128
	—	DDR 4	[SHEET-905] .. 118/128
	—	DDR POWER	[SHEET-906] .. 119/128
	—	TERMINATOR	[SHEET-907] .. 120/128
	—	VCXO	[SHEET-941] .. 121/128
	—	SEINE VDD/VSS	[SHEET-950] .. 122/128
	—	SIGNAL CONNECTOR	[SHEET-960] .. 123/128
	—	POWER CONNECTOR	[SHEET-961] .. 124/128
	—	Signal filter	[SHEET-964] .. 125/128
D-TUNER	—	TUNER CONNECTOR(TUNER)	[SHEET-104] .. 126/128
	—	OOB FDC	[SHEET-105] .. 127/128
	—	FAT TUNER	[SHEET-106] .. 128/128

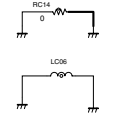
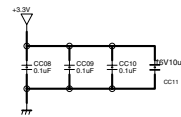
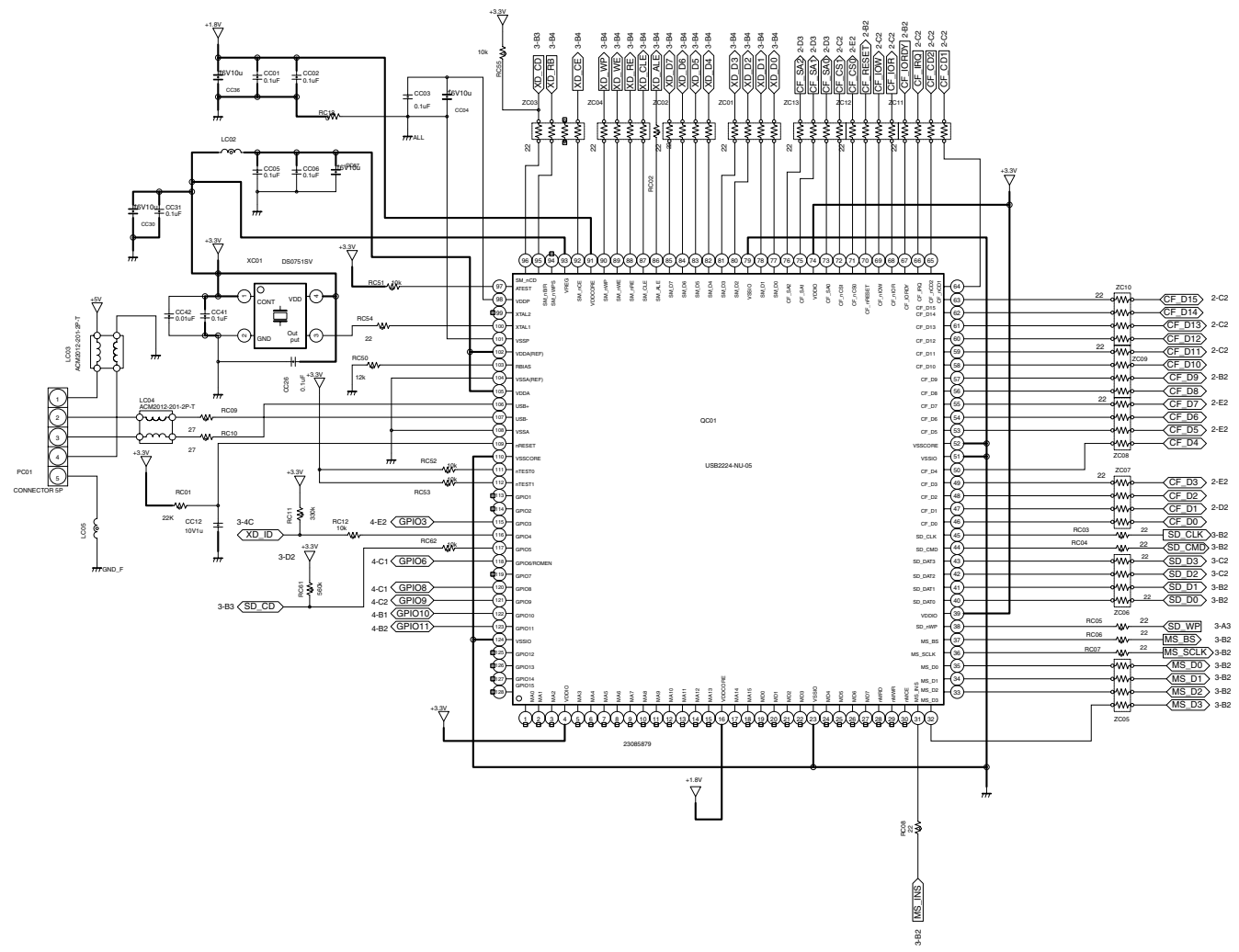
CIRCUIT BLOCK DIAGRAM



VIDEO OUTPUT (also for recording)

TV set MODE	MONITOR OUT	(REC OUT)
analog TV	O	O
digital TV	O	O
VIDEO1 (V/S)	O	O
VIDEO2 (V/S)	O	X
VIDEO3 (V/S)	O	X
CS1	X	X
CS2	X	X
PC in	X	X
HDMI	X	X

x -- picture mute: This TV does not provide.



1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

B

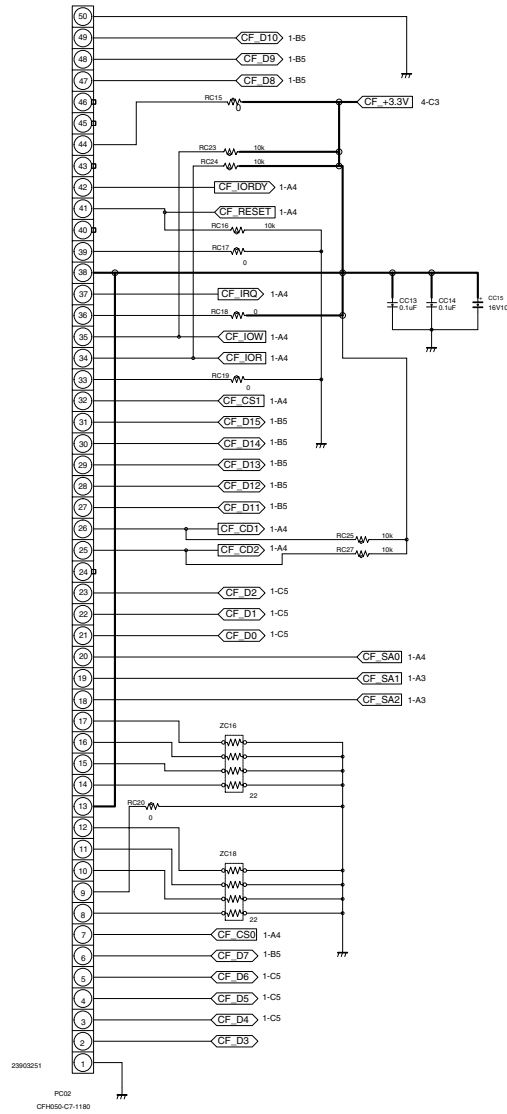
C

D

E

F

CFH050-C7-1180



PC02
CFH050-C7-1180

42/50HP95
MULTI CARD
[SHEET-24]

1

2

3

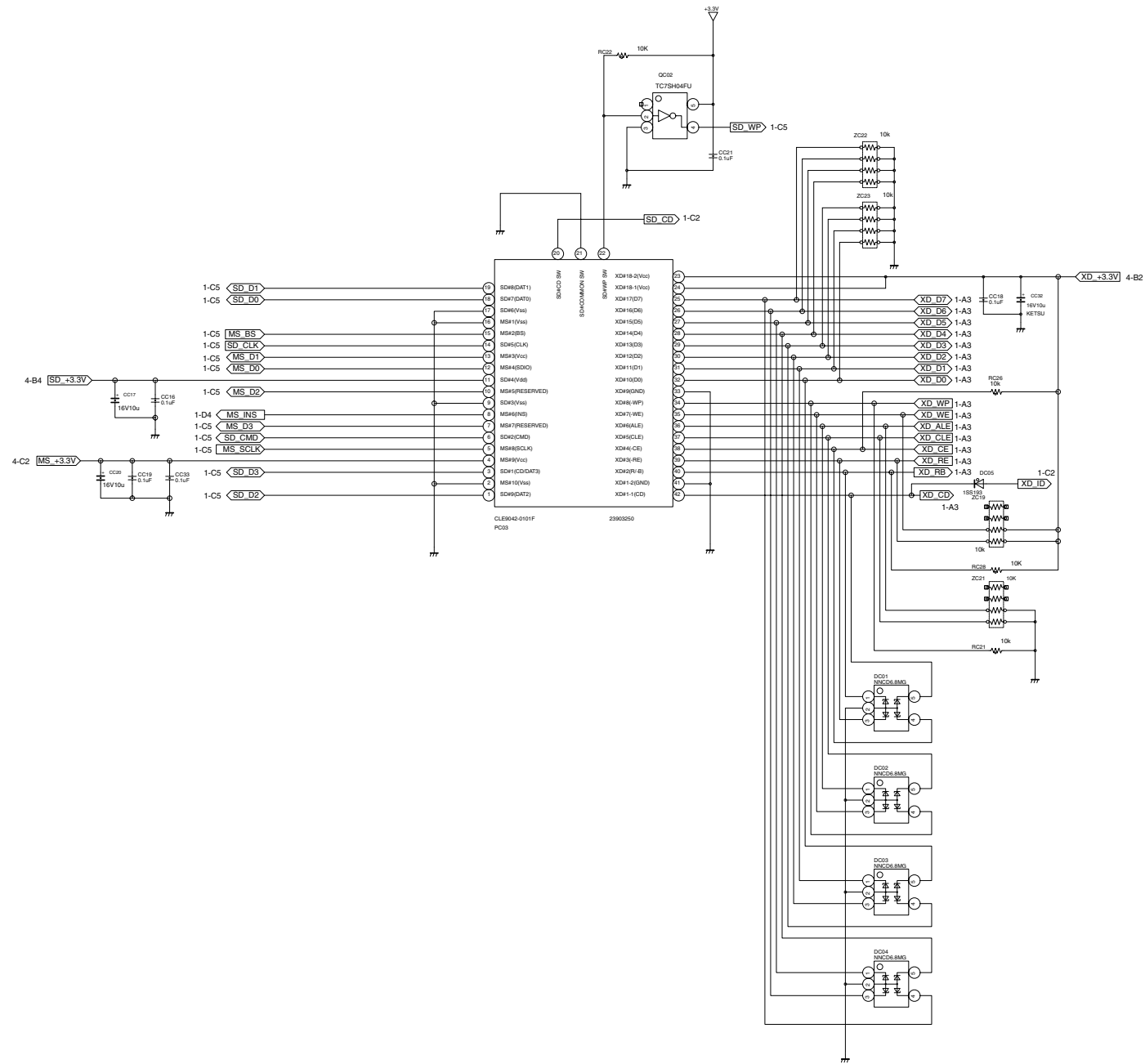
4

5

6

7

8



1

2

3

4

5

6

7

8

A

A

B

B

C

C

D

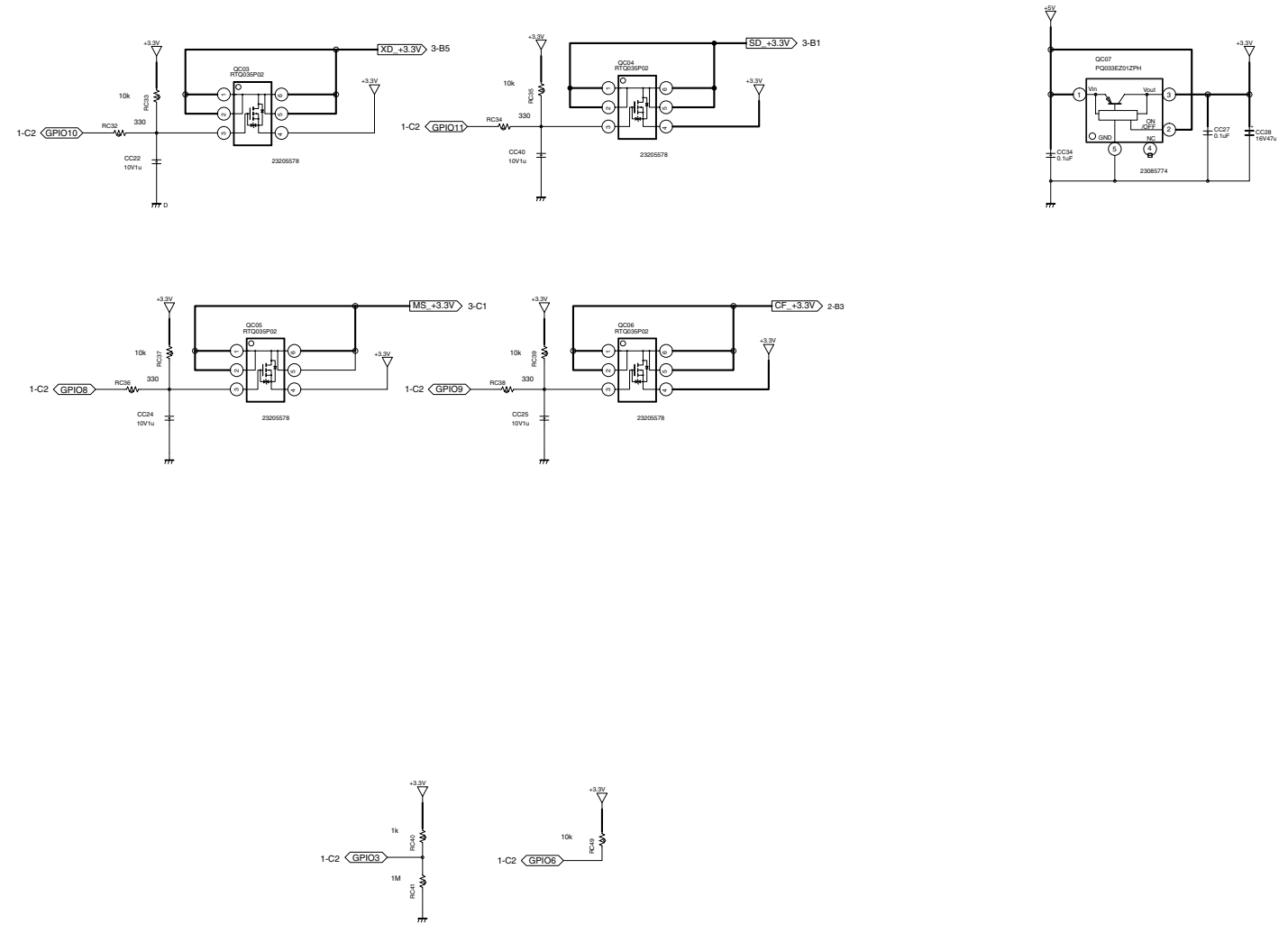
D

E

E

F

F



1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

D

E

E

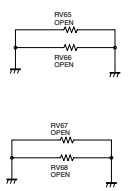
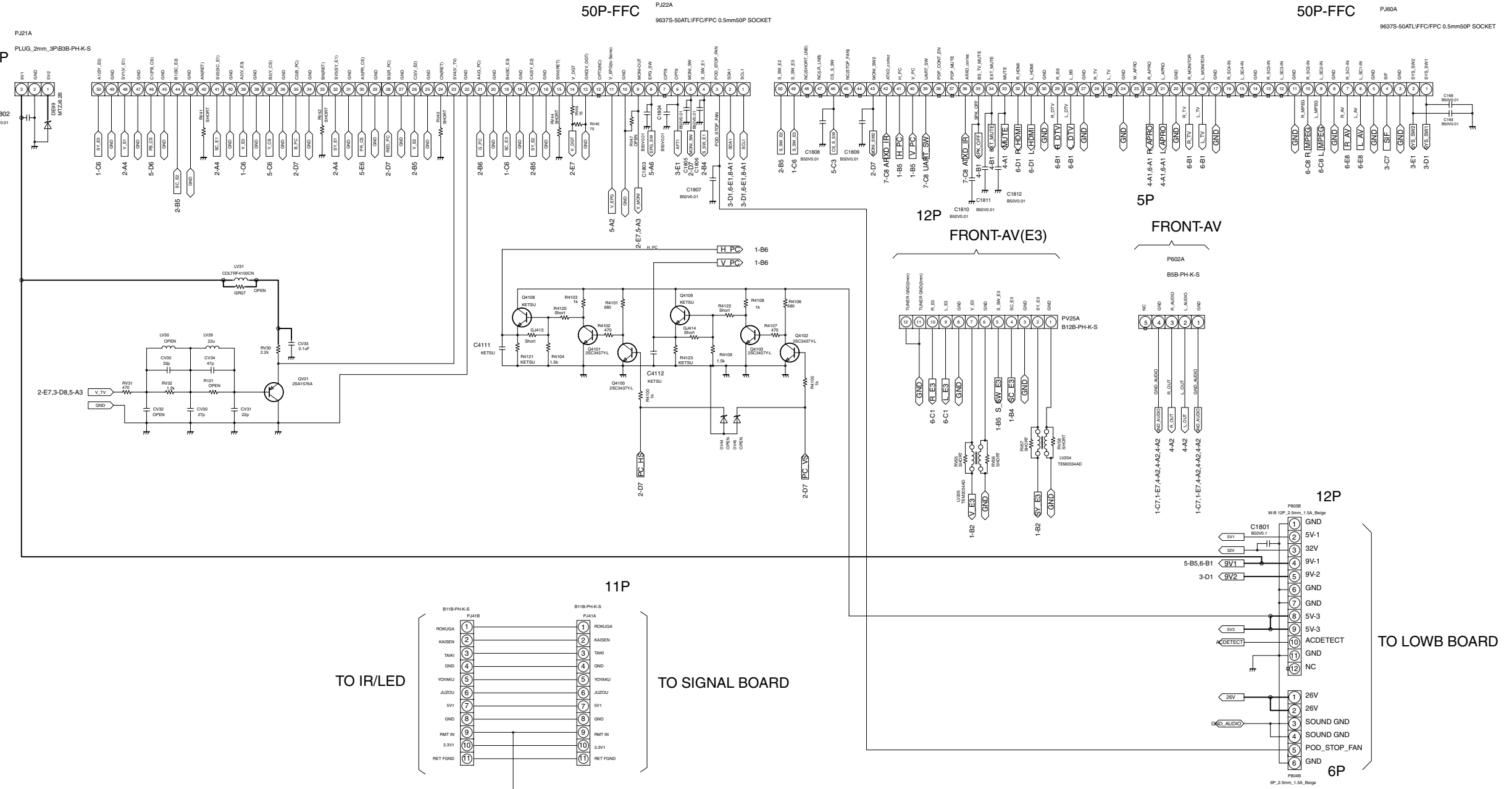
F

F

1 2 3 4 5 6 7 8

OTHER PARTS

U121 FMS PD™-1 SOLDERK905	N104 THINNER420	N107 SOLDERK905	N110 THINNER420
N105 SOLDERK905	N106 FLUX CF330VH	N108 SOLDERK905	N111 FLUX CF330VH
N109 SOLDERK905	N108 FLUX CF330VH	N108 SOLDERK905	N111 FLUX CF330VH



42/50HP95
TN/AV A-OUT
CONNECTOR
[SHEET-1/8]

A

B

C

D

E

F

A

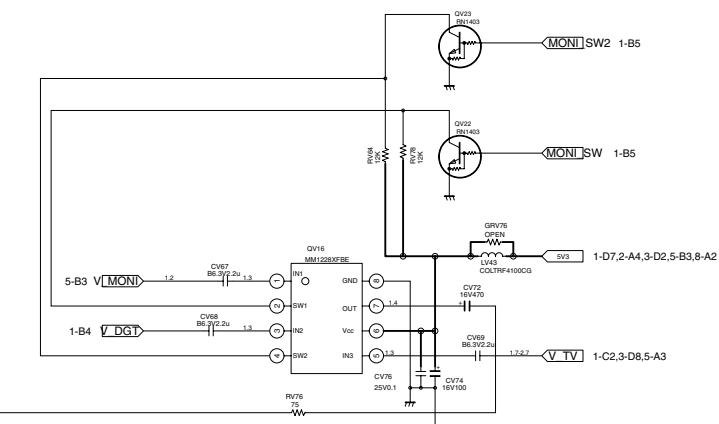
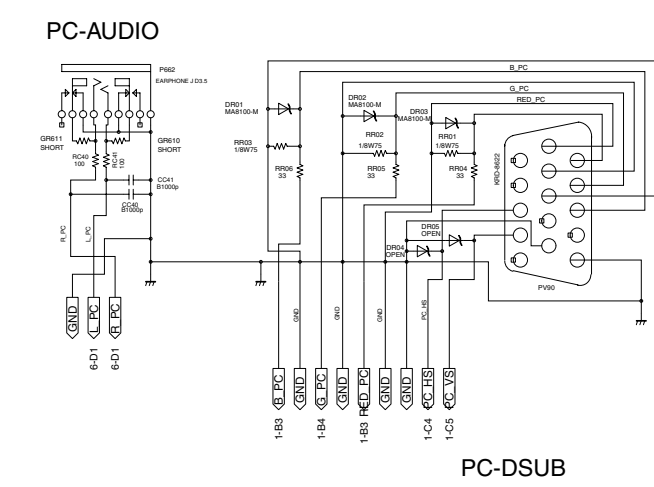
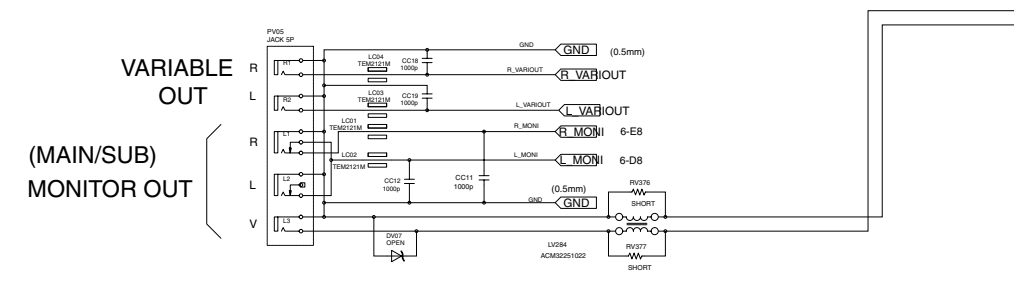
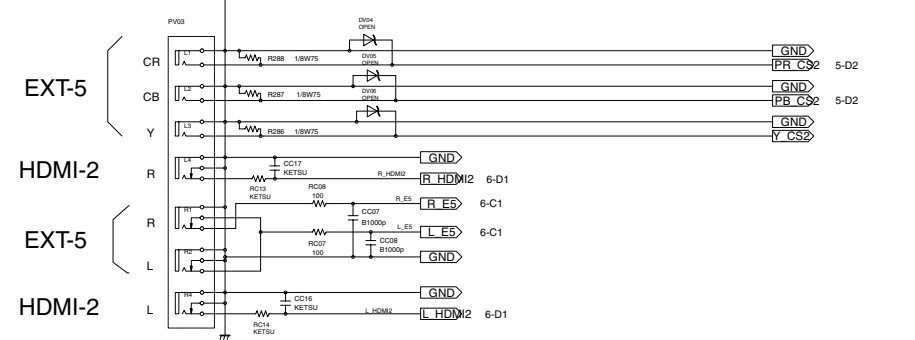
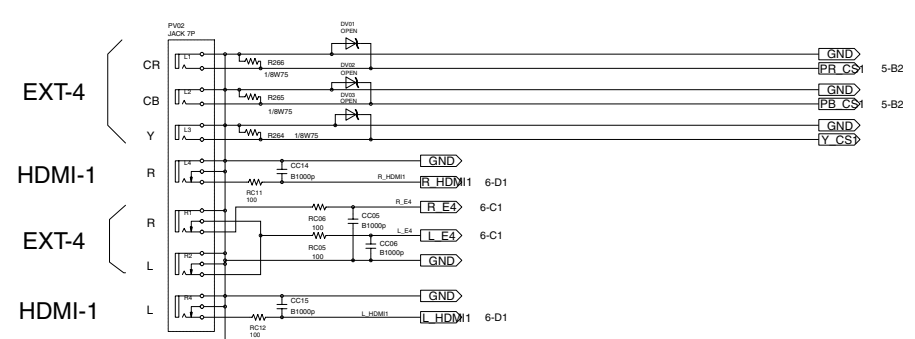
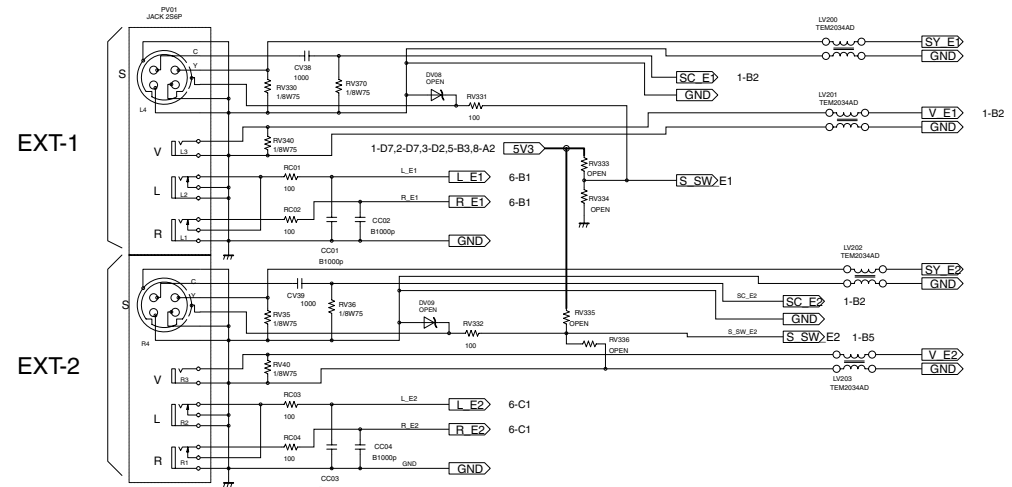
B

C

D

E

F



42/50HP95
 TN/AV A-OUT
 AV TERMINAL
 [SHEET-2/8]

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

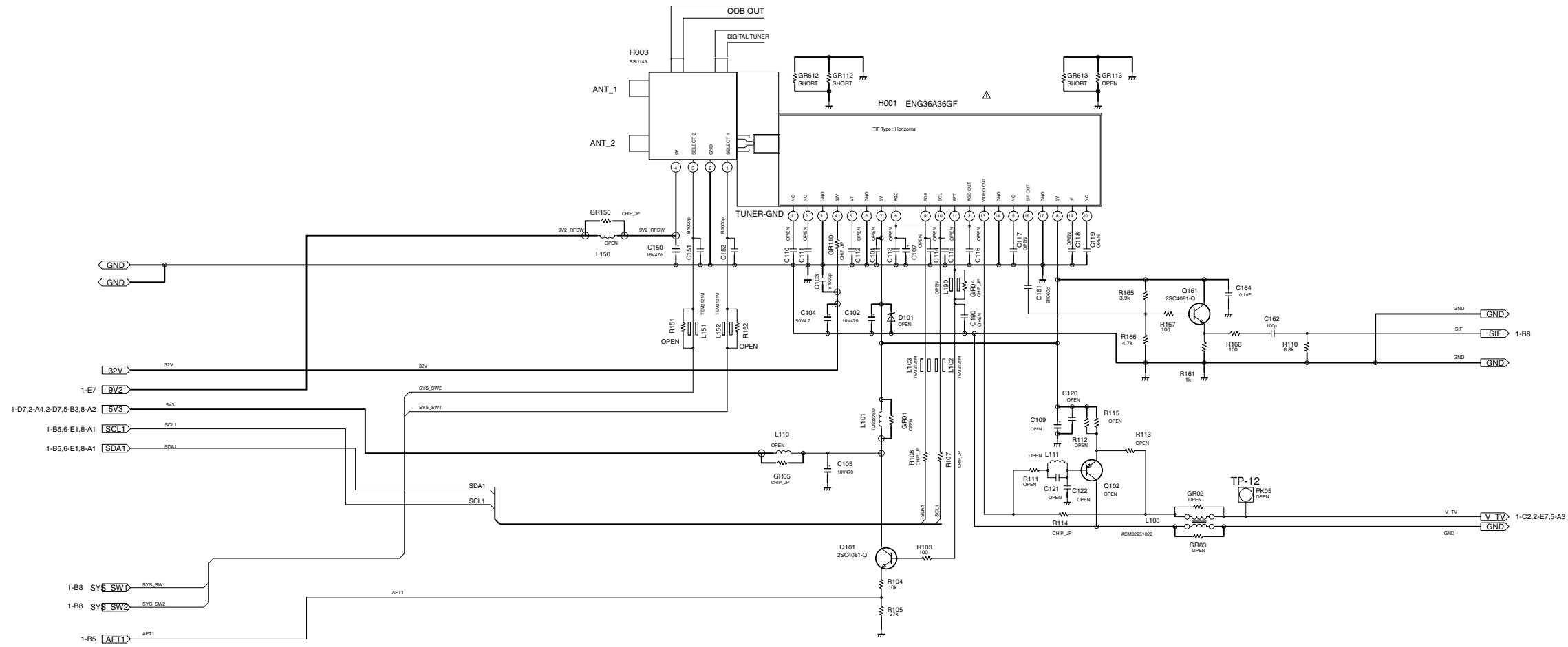
B

C

D

E

F



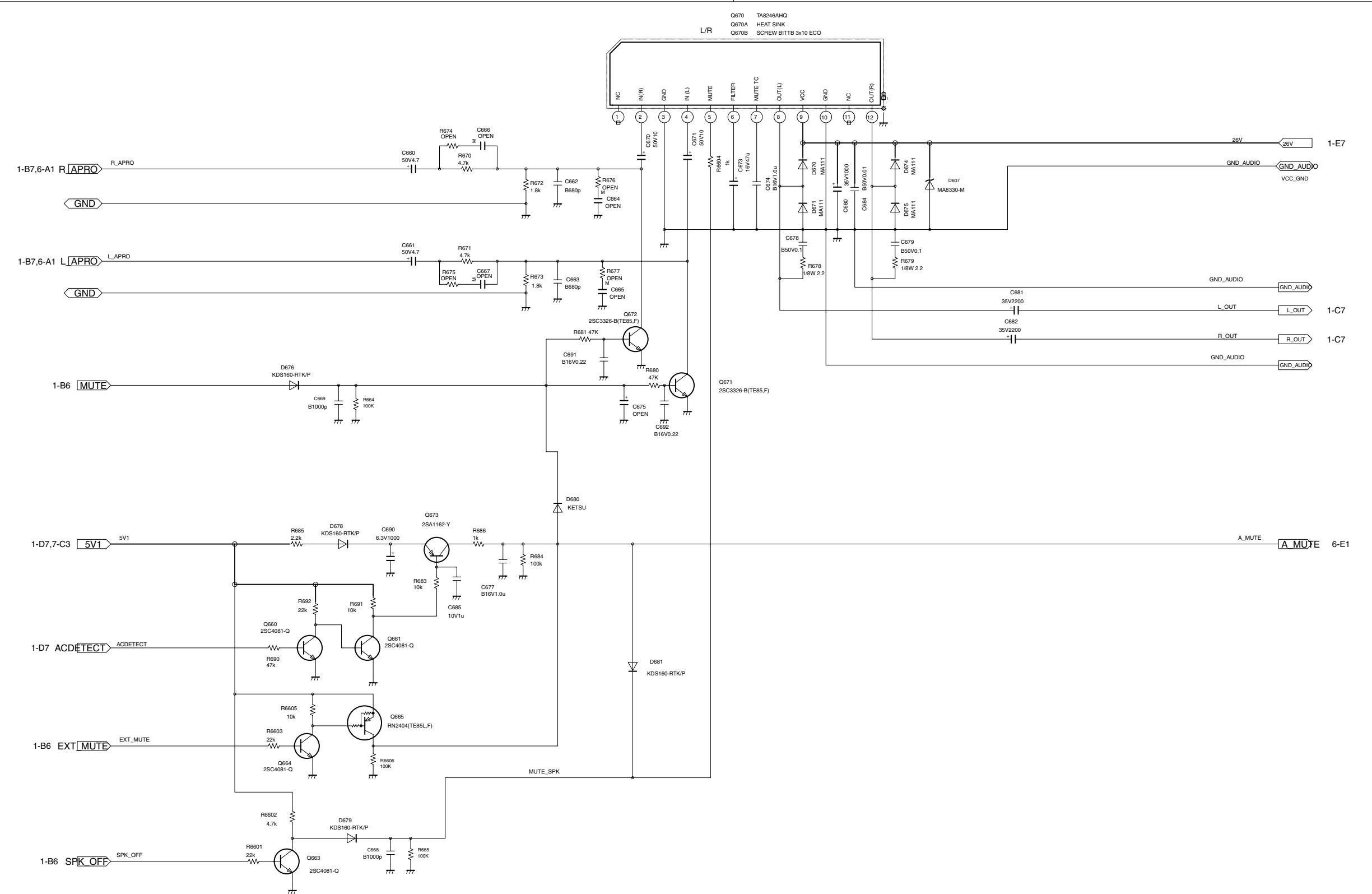
42/50HP95
 TN/AV A-OUT
 RF-SW&TIF
 [SHEET-3/8]

A

A

B

B



42/50HP95
 TN/AV A-OUT
 A-OUT
 [SHEET-4/8]

1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

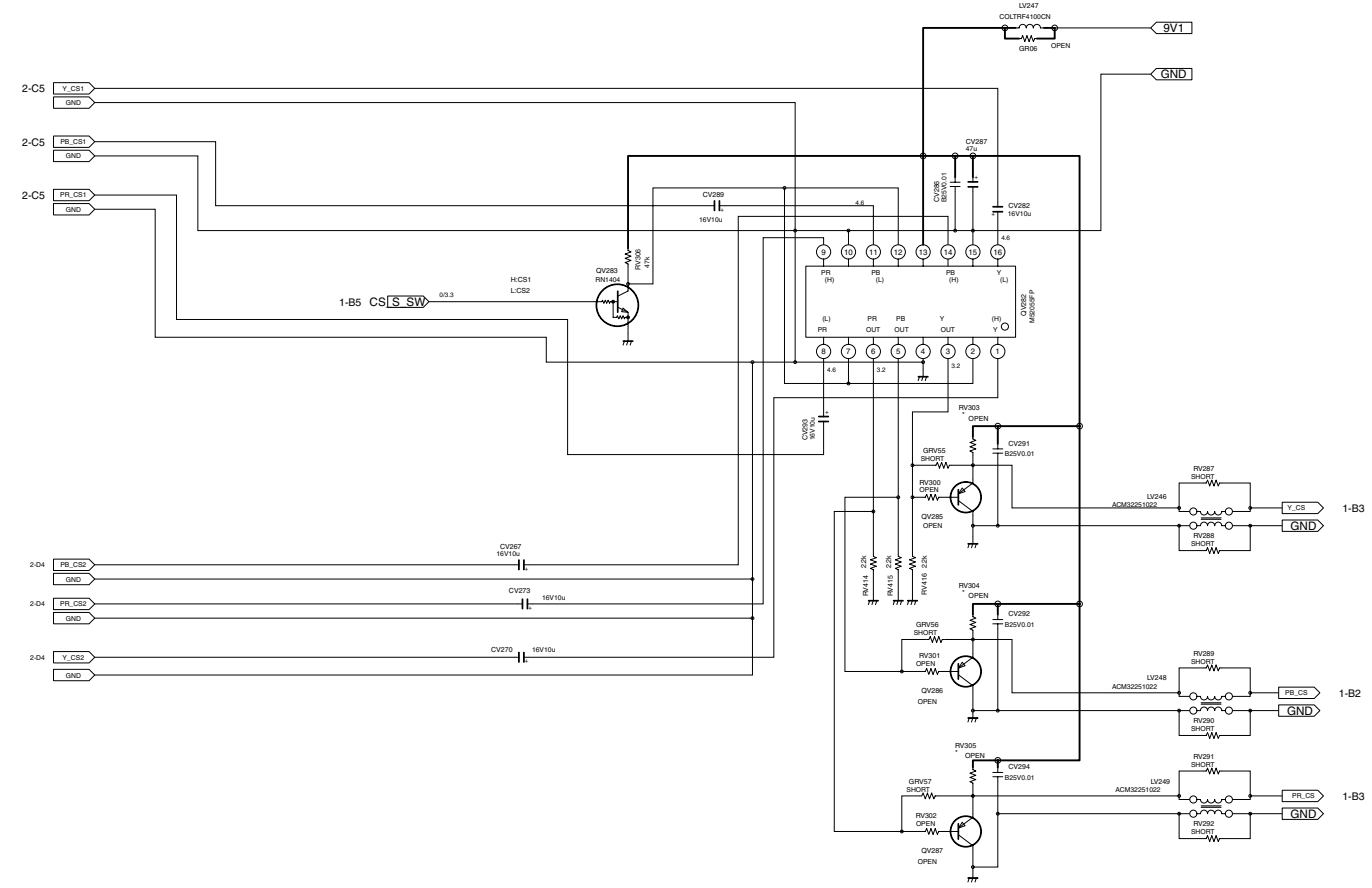
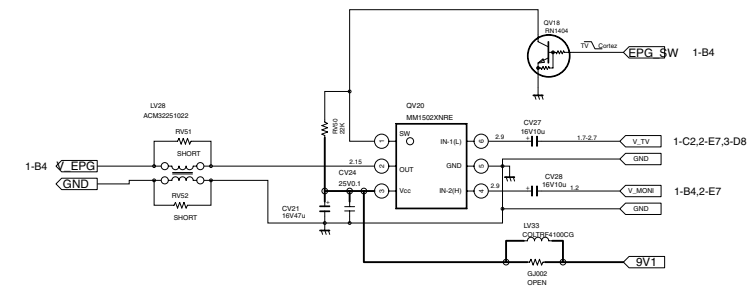
D

E

E

F

F



42/50HP95
 TN/AV A-OUT
 VIDEO-SW
 [SHEET-5/8]

1 2 3 4 5 6 7 8

A

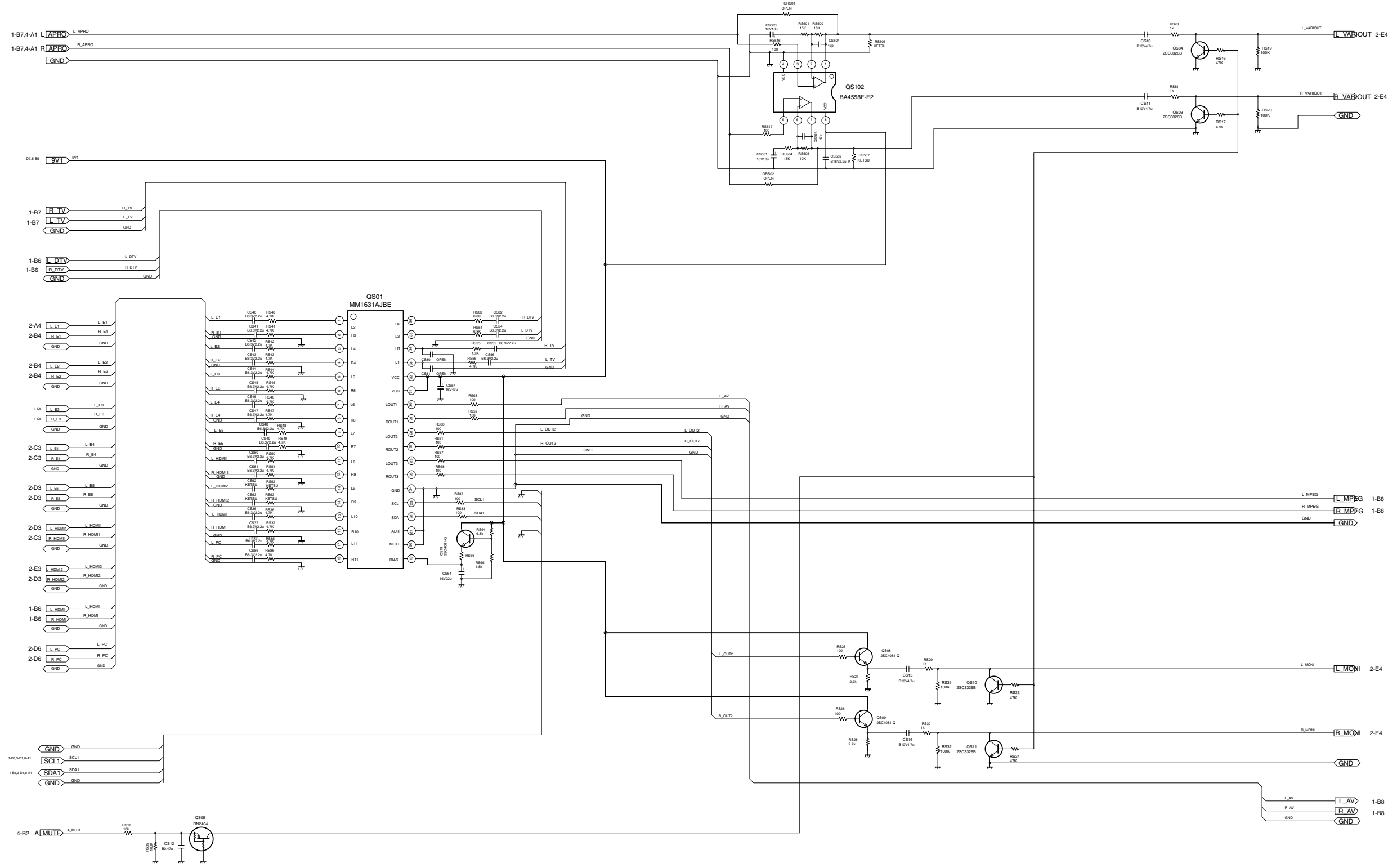
B

C

D

E

F



42/50HP95
 TN/AV A-OUT
 AUDIO-SW
 [SHEET-6/8]

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

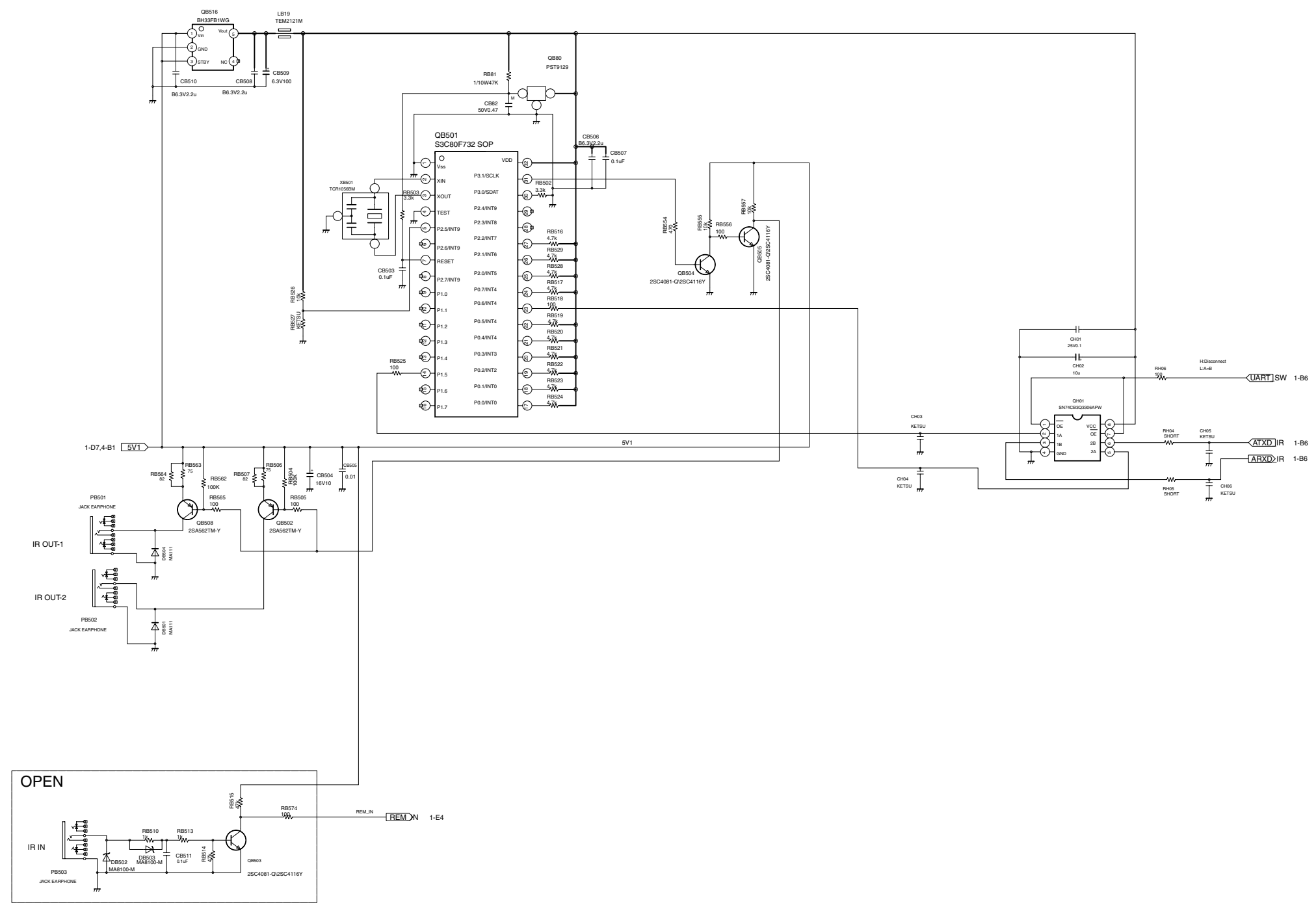
B

C

D

E

F



42/50HP95
 TN/AV A-OUT
 IR-MICON
 [SHEET-7/8]

1

2

3

4

5

6

7

8

1

2

A

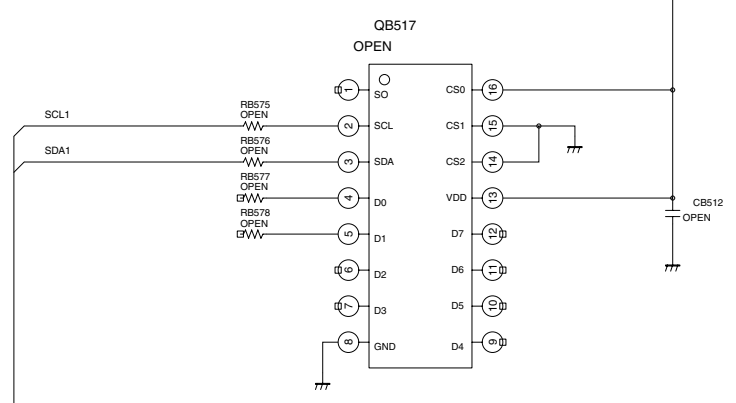
A

B

B

1-D7,2-A4,2-D7,3-D2,5-B3 5V3

1-B5,3-B1,6-E1 SCL1
1-B5,3-B1,6-E1 SDA1



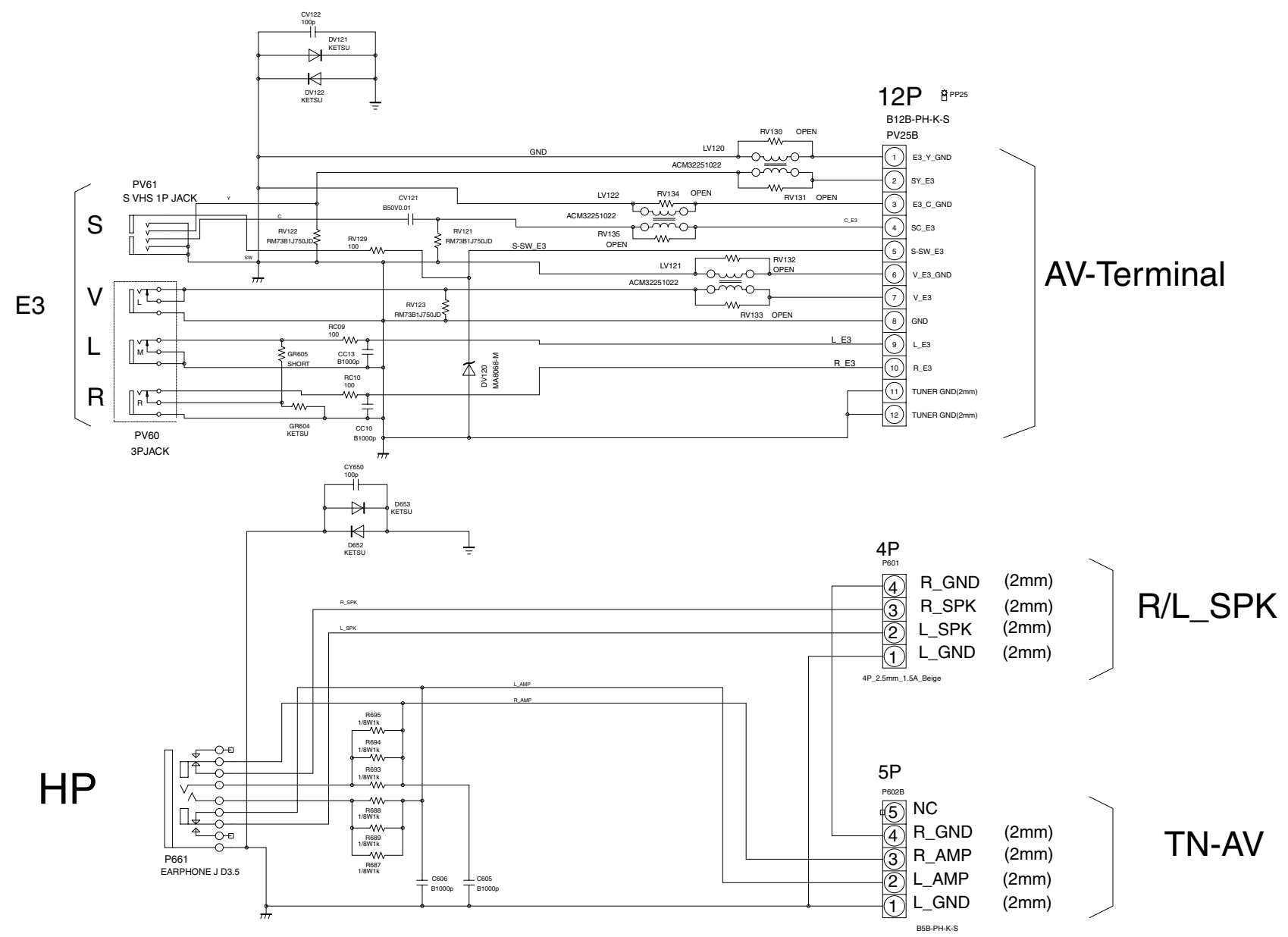
42/50HP95
TN/AV A-OUT
EXPANDER FOR PDP
[SHEET-8/8]

1

2

A

A



B

B

1

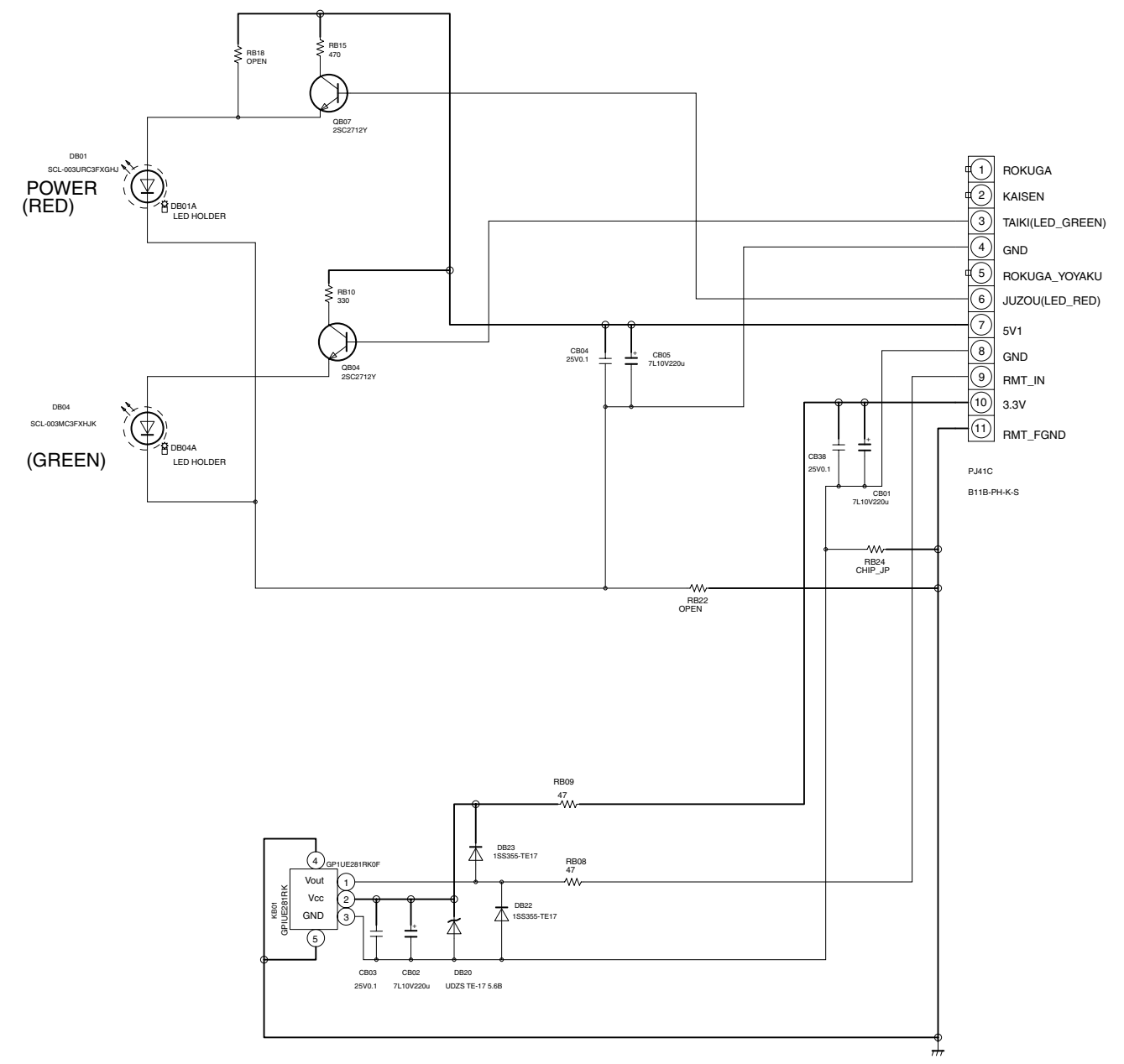
2

A

A

B

B



42/50HP95
IR LED

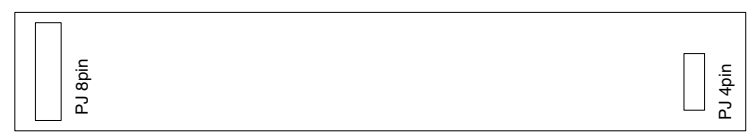
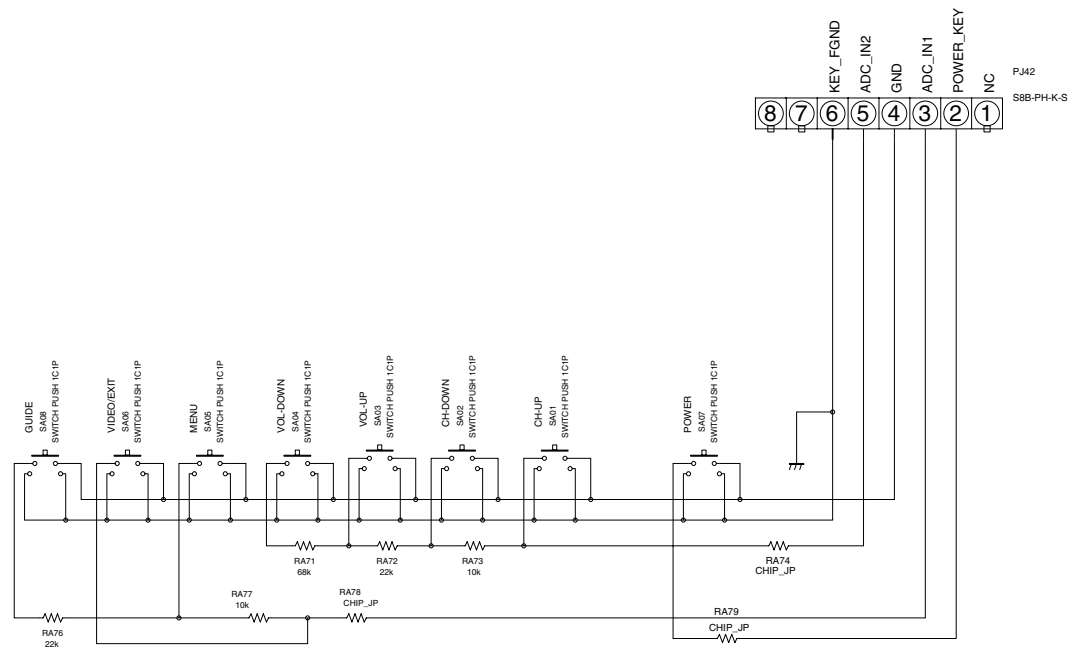
1

2

1

2

OTHER PARTS
 * U123
 PWB PD****-3



A

A

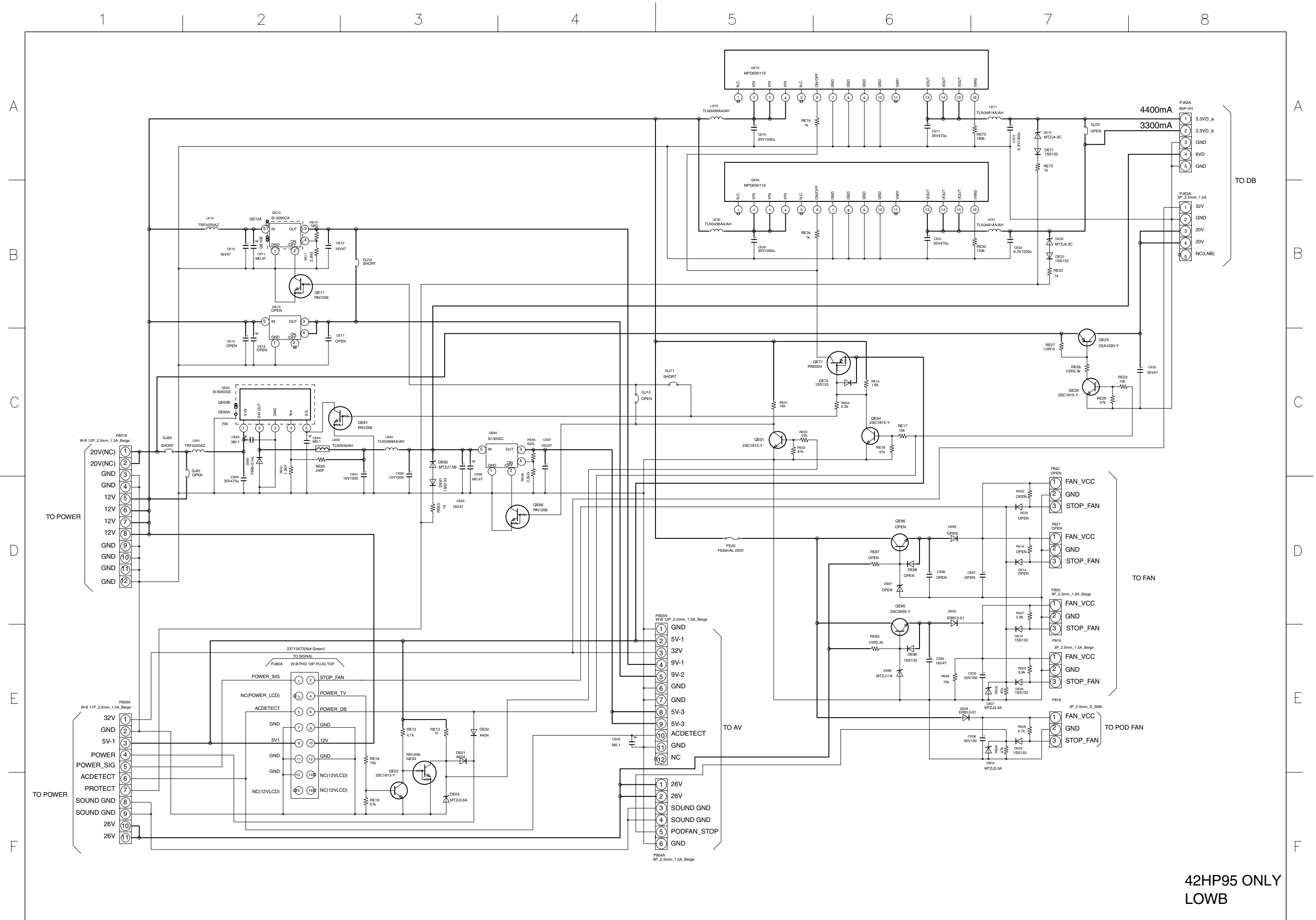
B

B

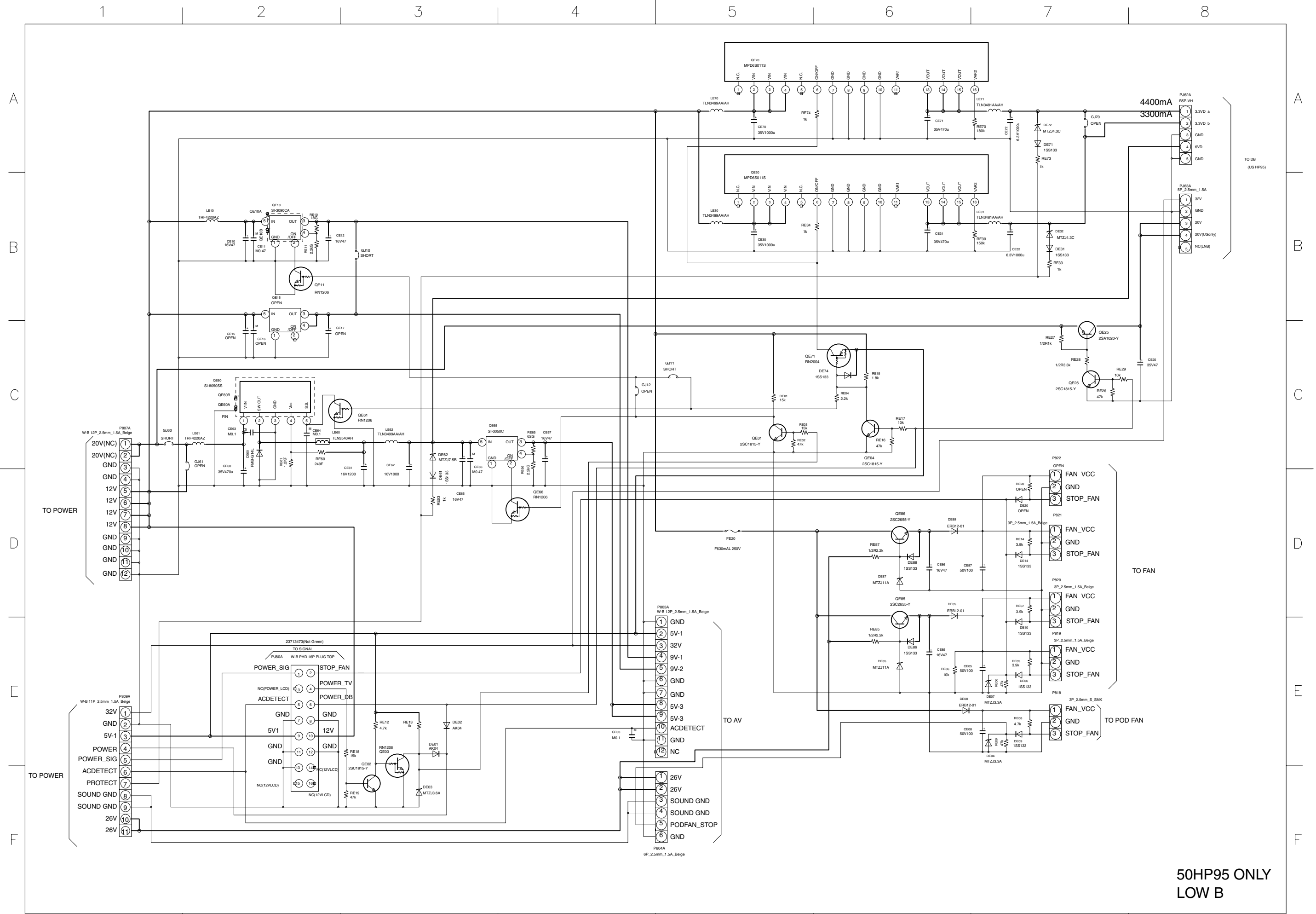
42/50HP95
 KEY

1

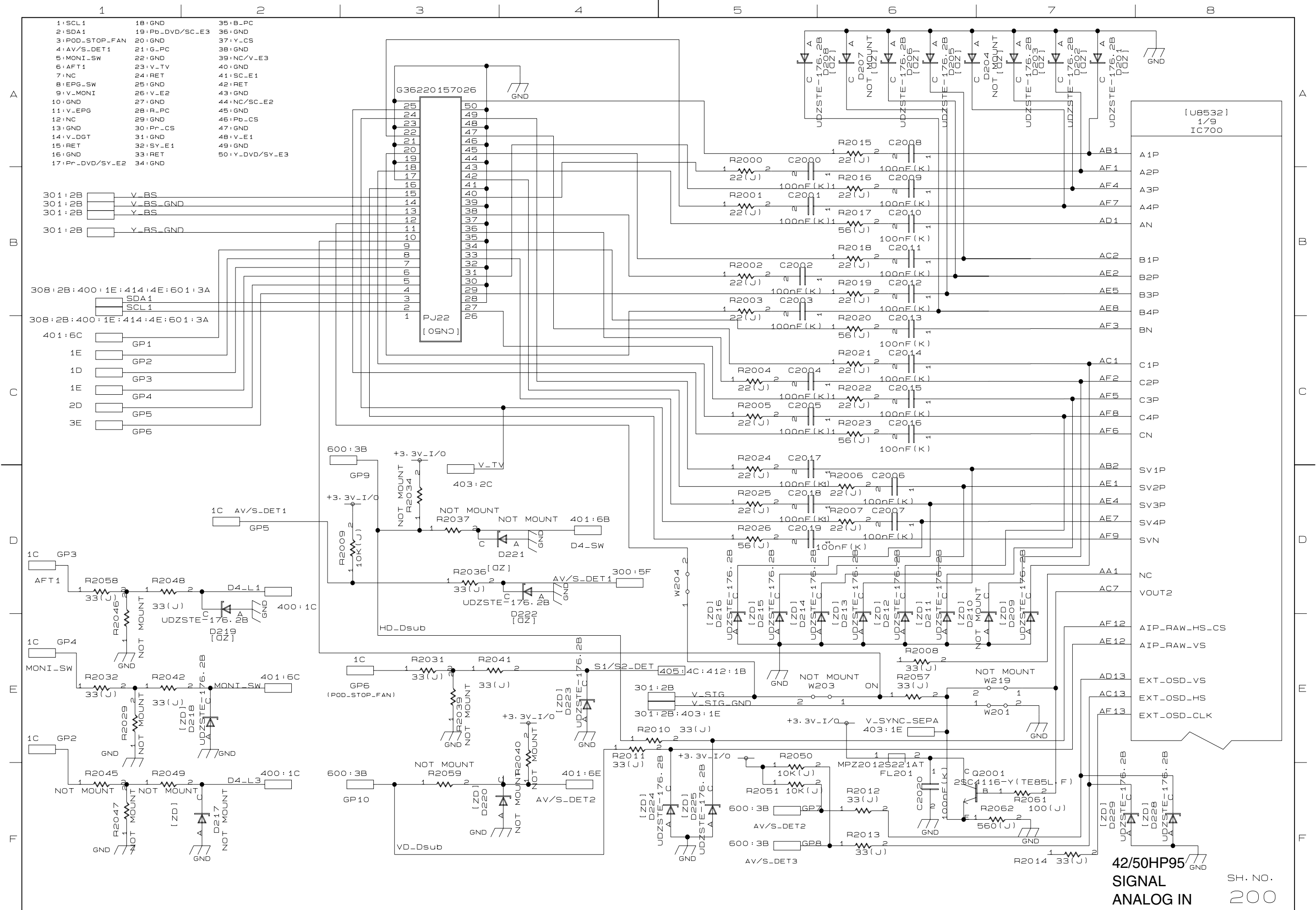
2



42HP95 ONLY
LOWB

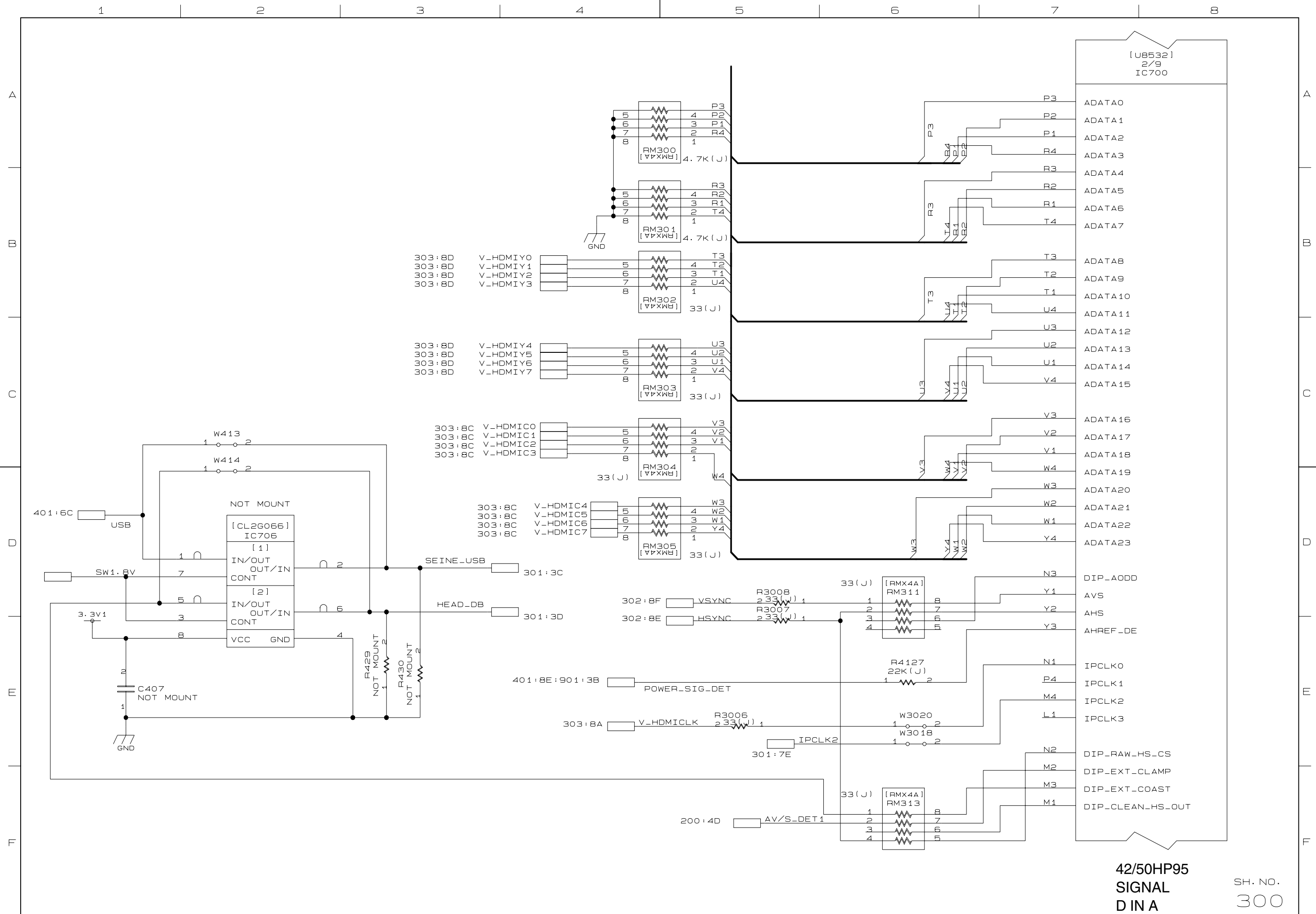


50HP95 ONLY
LOW B

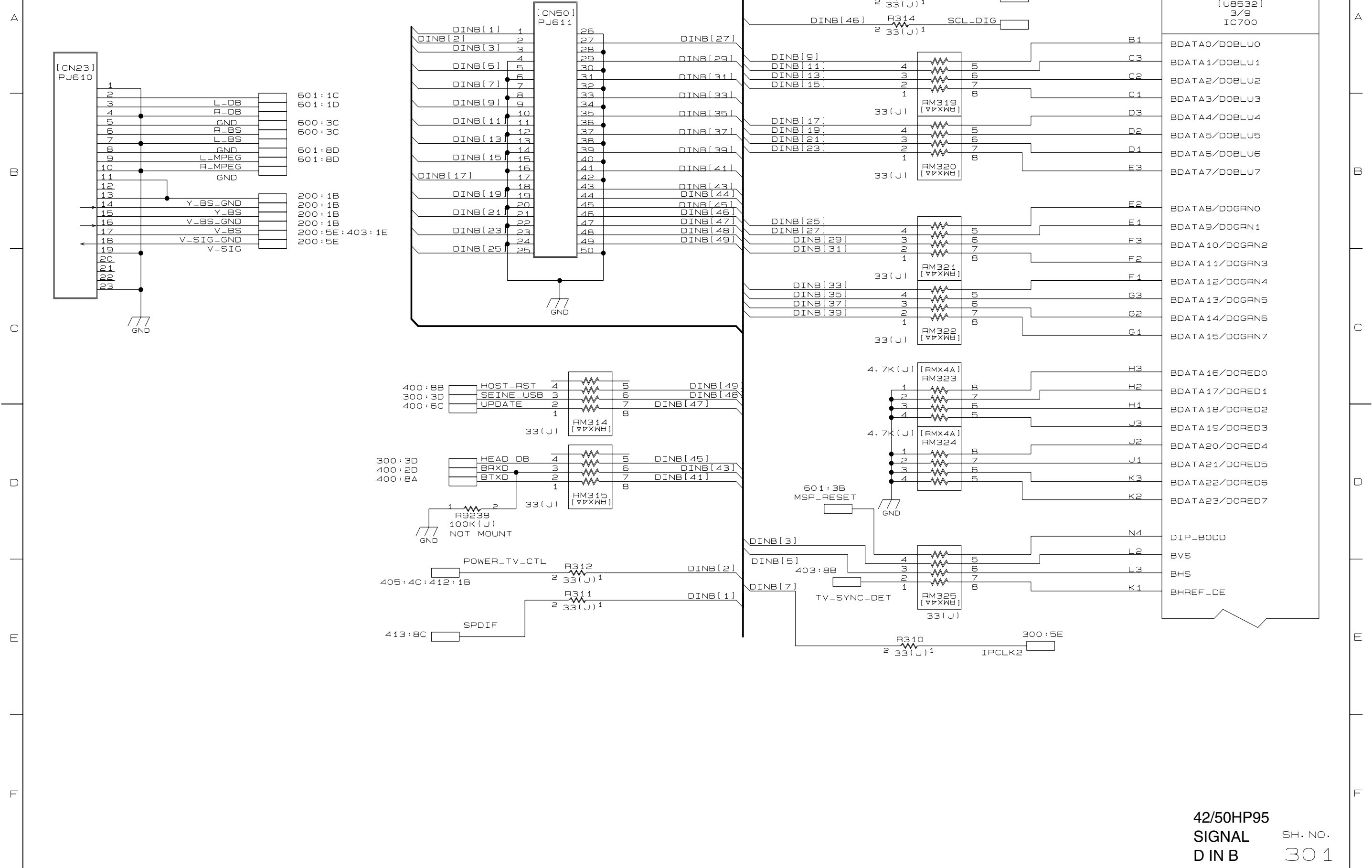


- | | | |
|------------------|------------------|-----------------|
| 1: SCL1 | 18: GND | 35: B_PC |
| 2: SDA1 | 19: Pb_DVD/SC-E3 | 36: GND |
| 3: POD_STOP_FAN | 20: GND | 37: Y_CS |
| 4: AV/S_DET1 | 21: G_PC | 38: GND |
| 5: MONI_SW | 22: GND | 39: NC/V_E3 |
| 6: AFT1 | 23: V_TV | 40: GND |
| 7: NC | 24: RET | 41: SC-E1 |
| 8: EPG_SW | 25: GND | 42: RET |
| 9: V_MONI | 26: V_E2 | 43: GND |
| 10: GND | 27: GND | 44: NC/SC-E2 |
| 11: V_EPG | 28: R_PC | 45: GND |
| 12: NC | 29: GND | 46: Pb_CS |
| 13: GND | 30: Pr_CS | 47: GND |
| 14: V_DGT | 31: GND | 48: V_E1 |
| 15: RET | 32: SY_E1 | 49: GND |
| 16: GND | 33: RET | 50: Y_DVD/SY_E3 |
| 17: Pr_DVD/SY_E2 | 34: GND | |

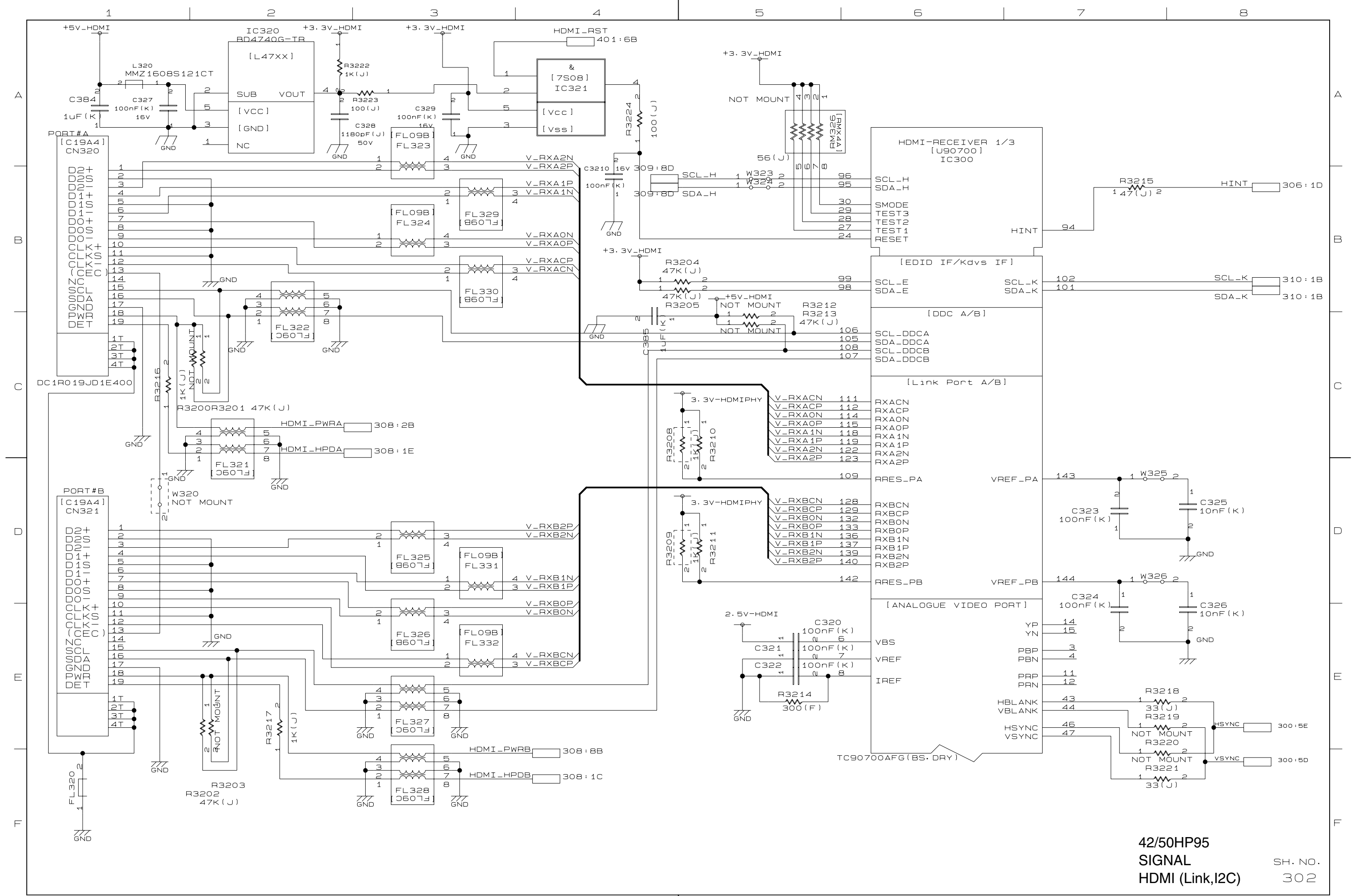
42/50HP95/77
 SIGNAL
 ANALOG IN
 SH. NO.
 200



42/50HP95
 SIGNAL
 D IN A
 SH. NO.
 300



42/50HP95
 SIGNAL SH. NO.
 D IN B 301

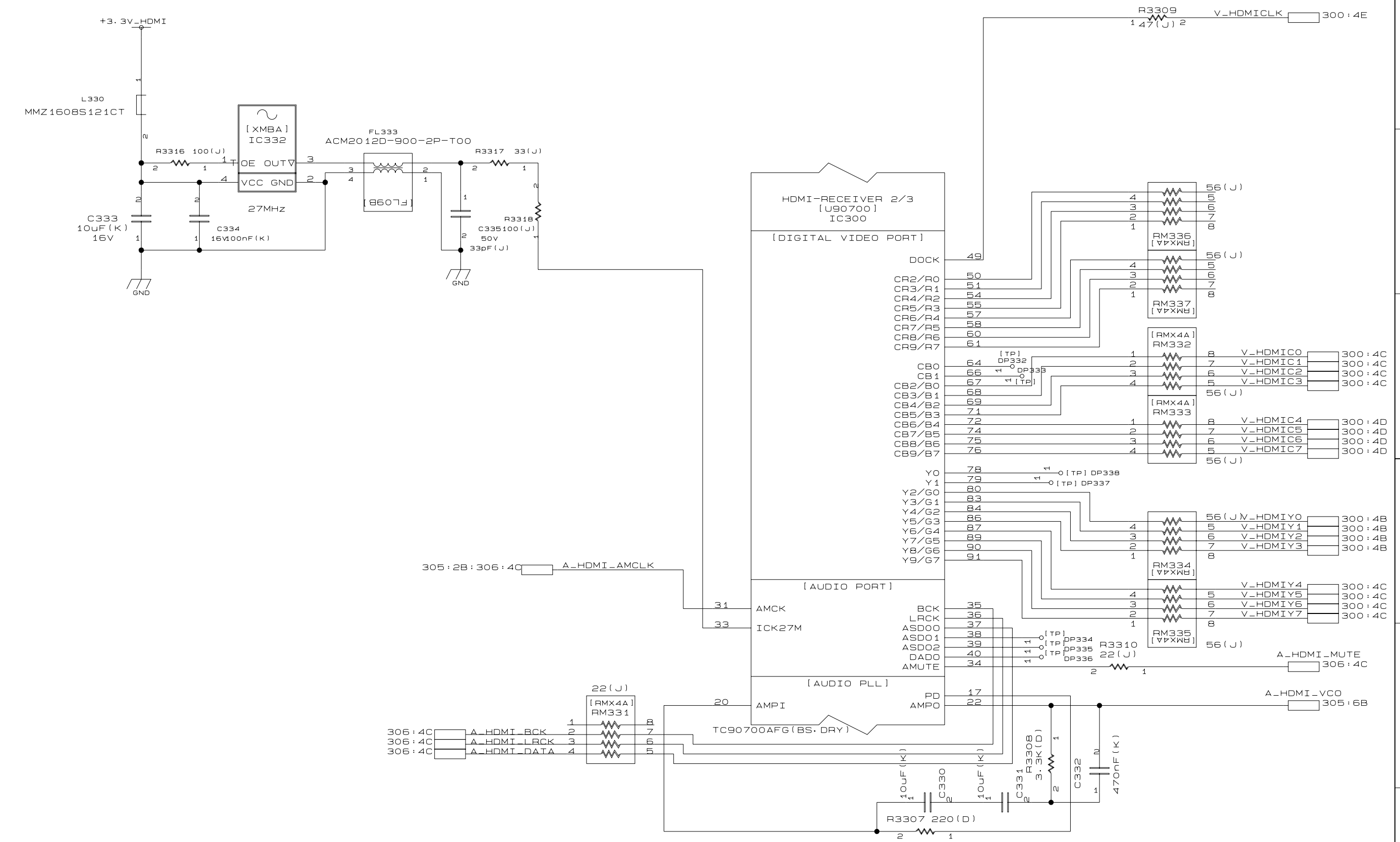


42/50HP95
 SIGNAL
 HDMI (Link,I2C)

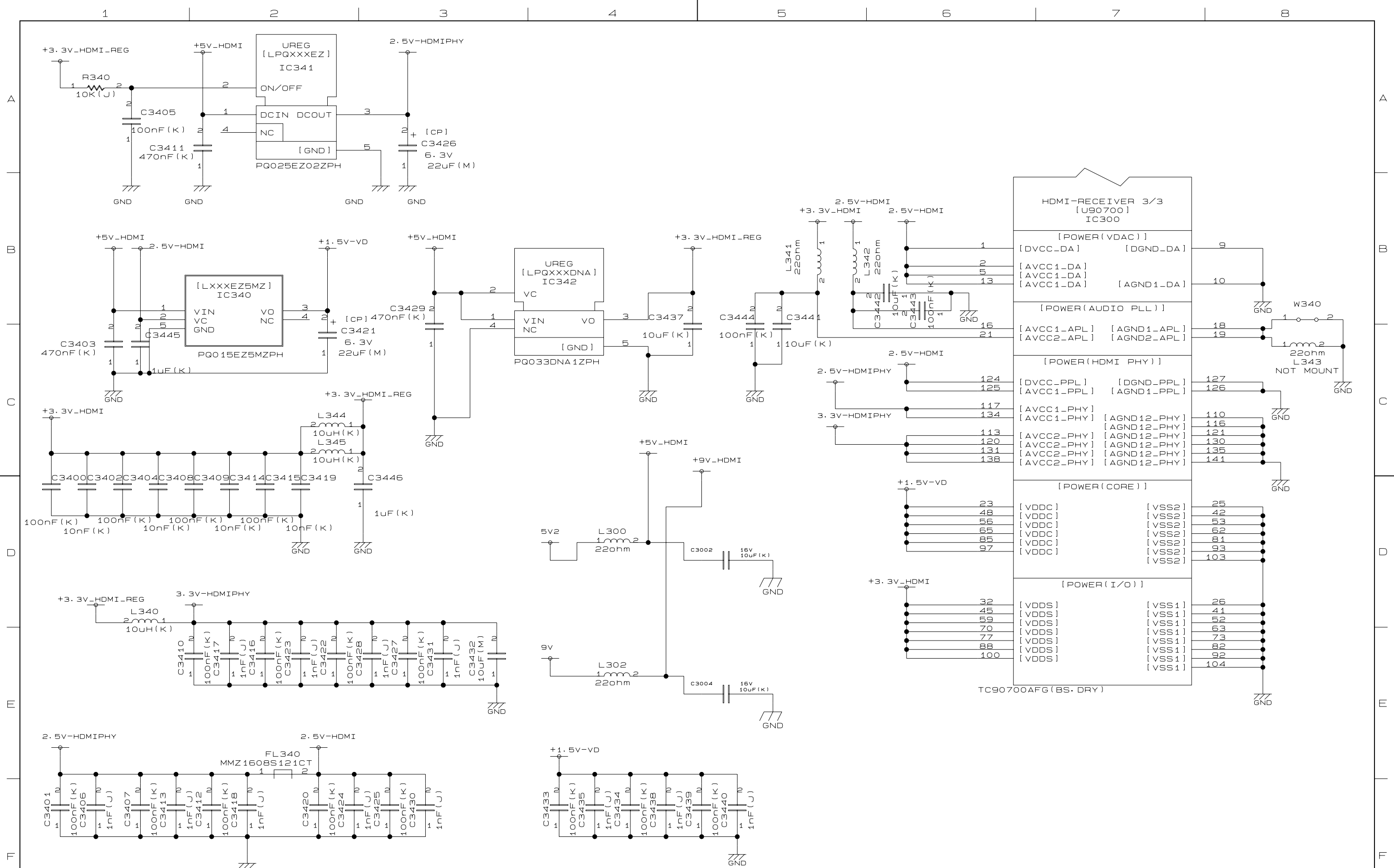
SH. NO.
 302

1 2 3 4 5 6 7 8

A
B
C
D
E
F

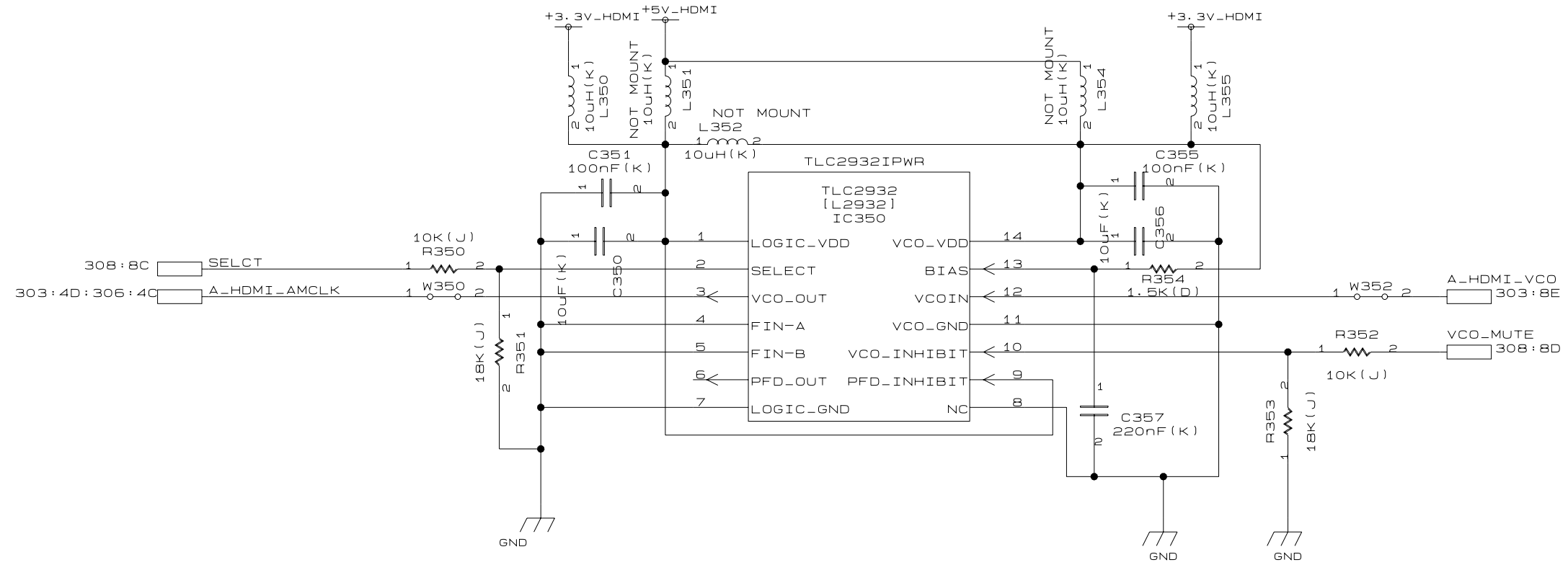


42/50HP95
 SIGNAL
 HDMI Rx#2 (Video/Audio) SH. NO. 303



42/50HP95
 SIGNAL
 HDMI Rx#3 (PWR,Audio)

SH. NO.
 304



42/50HP95
 SIGNAL
 HDMI AUDIO PLL

SH. NO.
 305

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

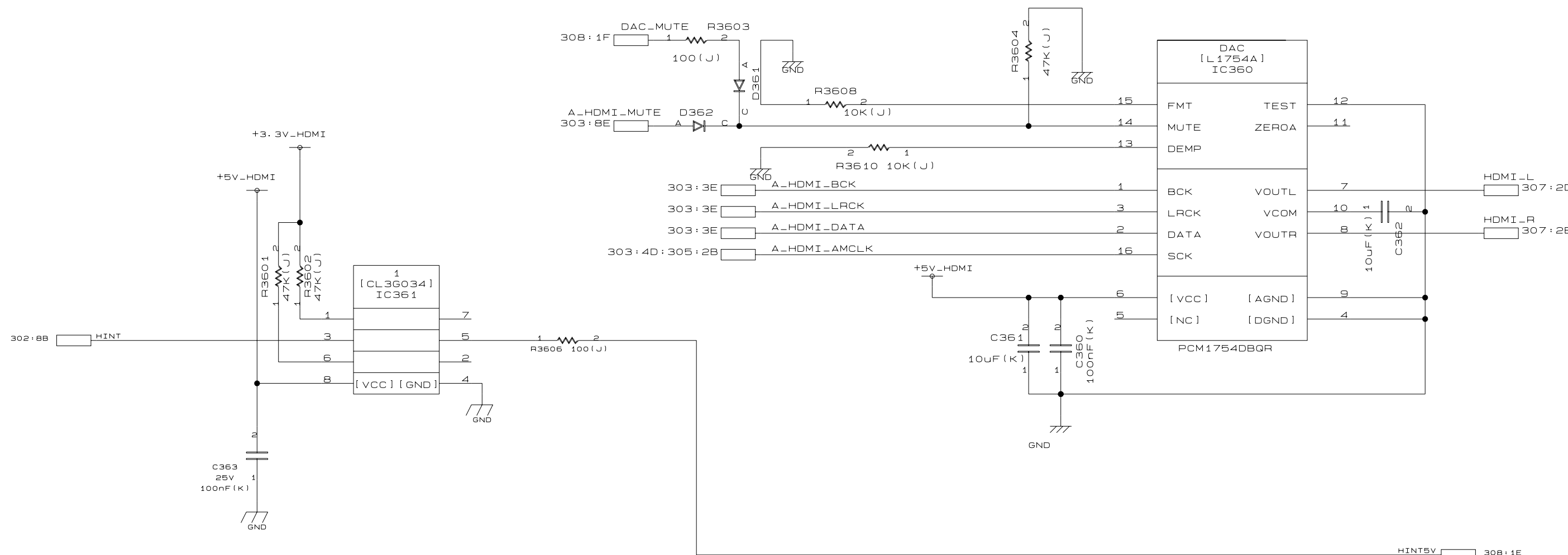
B

C

D

E

F

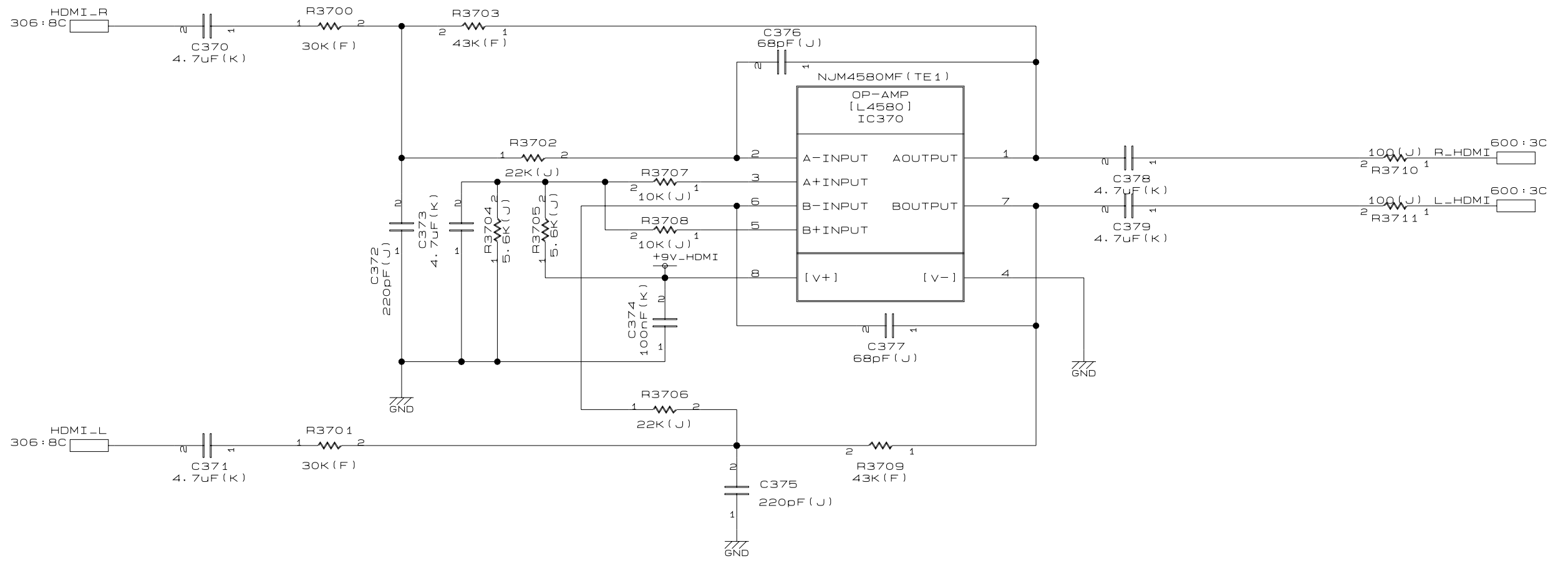


42/50HP95
 SIGNAL
 HDMI AUDIO DAC

SH. NO.
 306

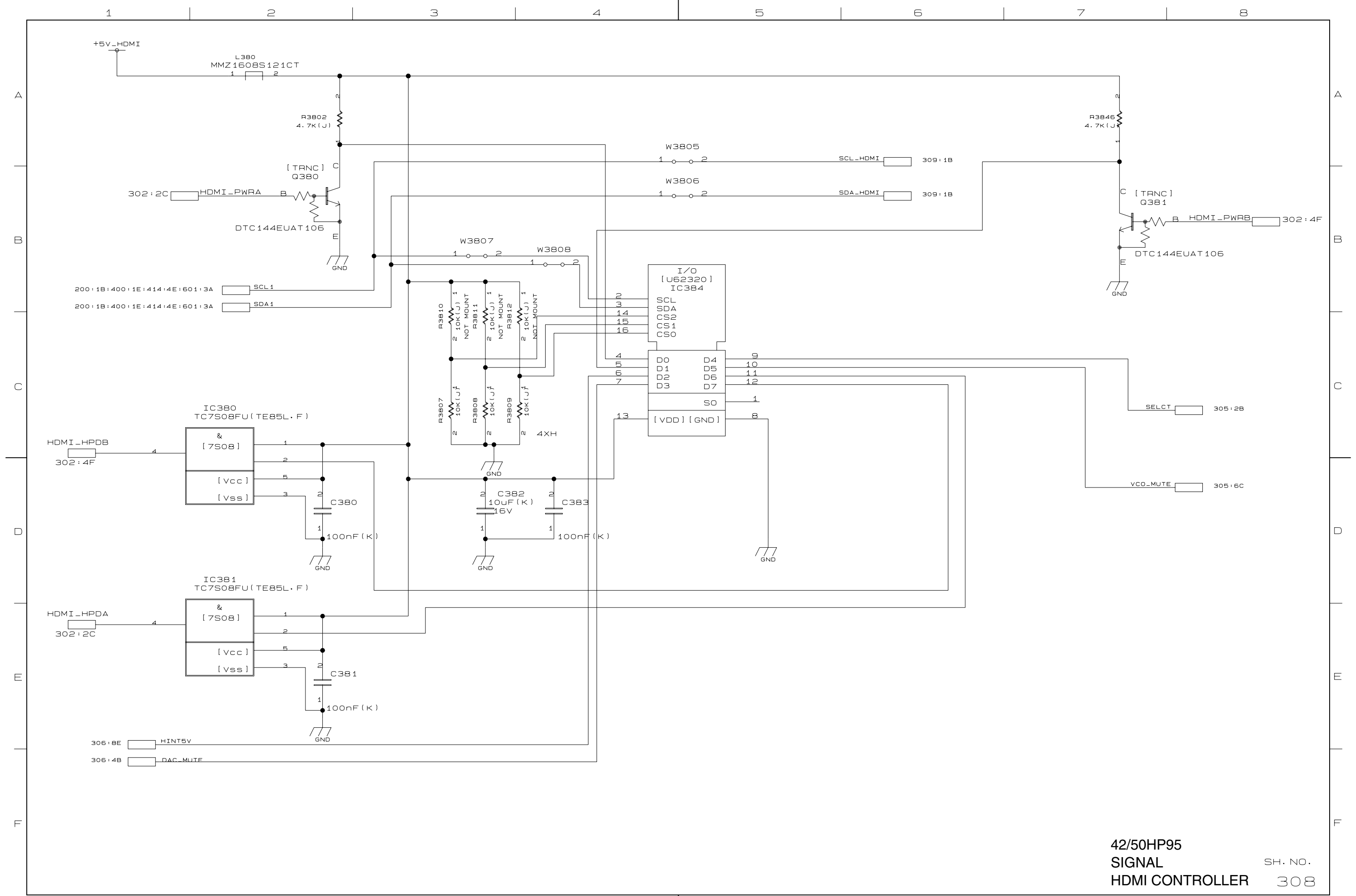
1 2 3 4 5 6 7 8

A
B
C
D
E
F



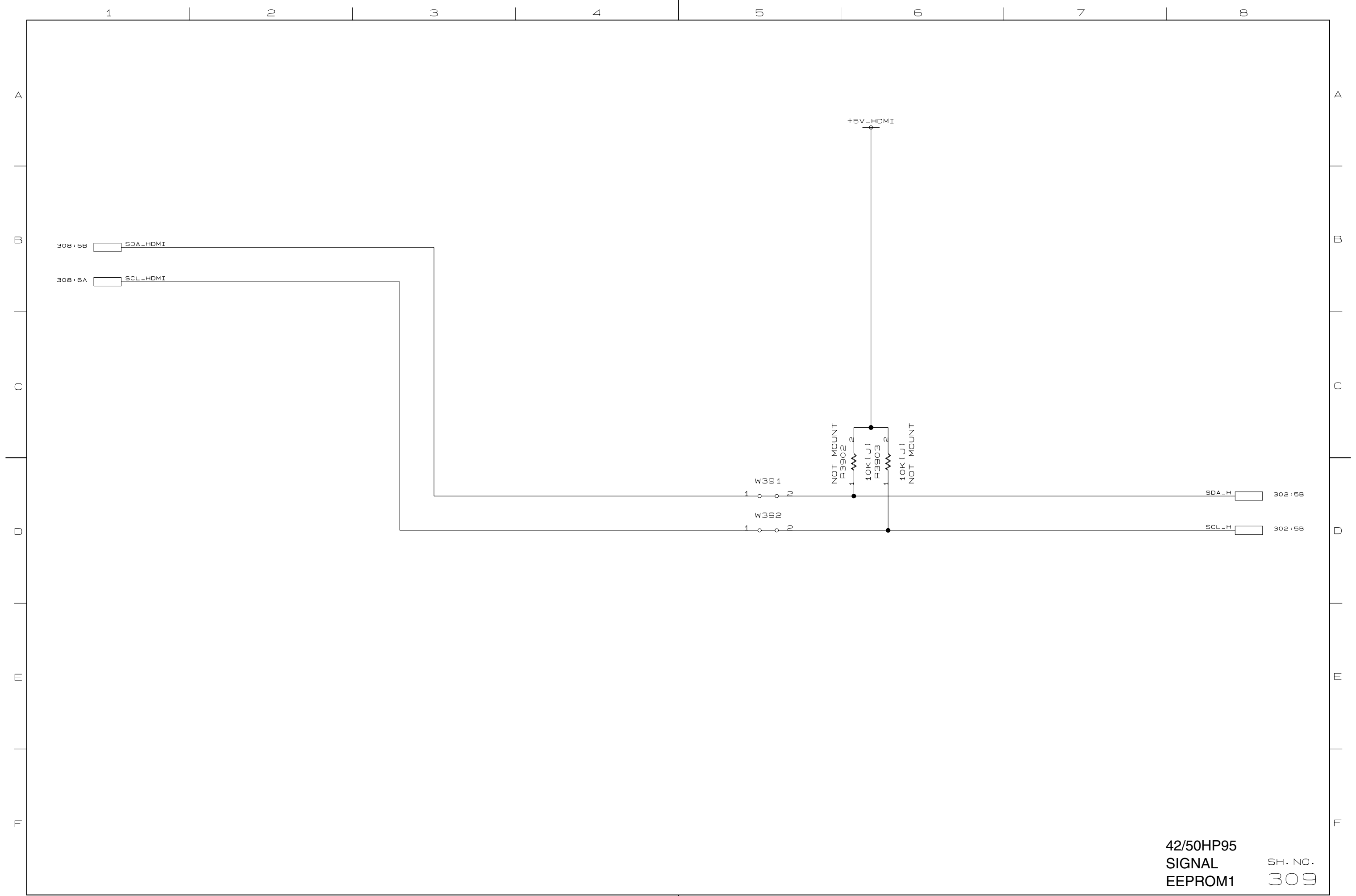
42/50HP95
 SIGNAL
 HDMI AUDIO OUT

SH. NO.
 307



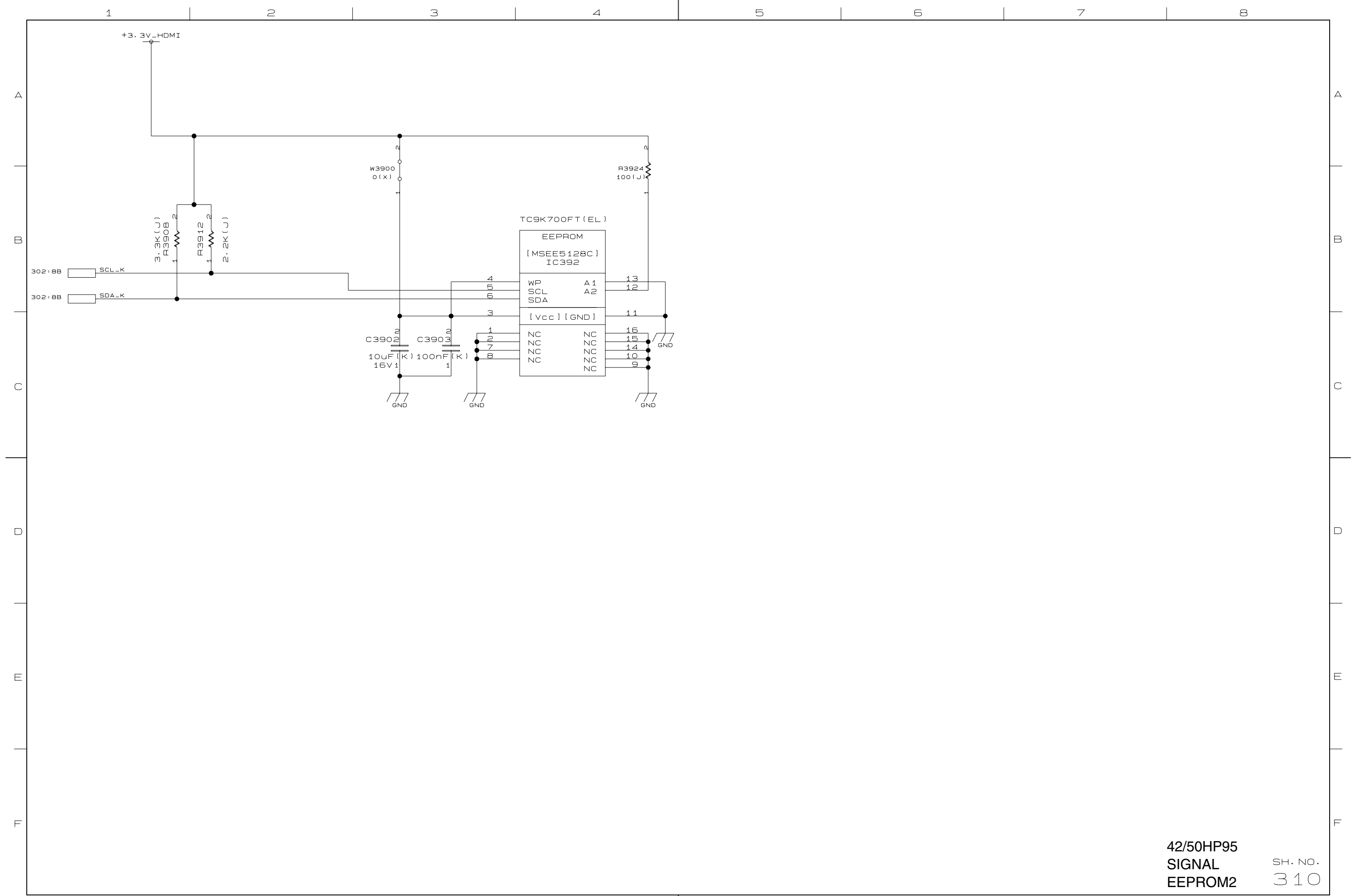
42/50HP95
 SIGNAL
 HDMI CONTROLLER

SH. NO.
 308



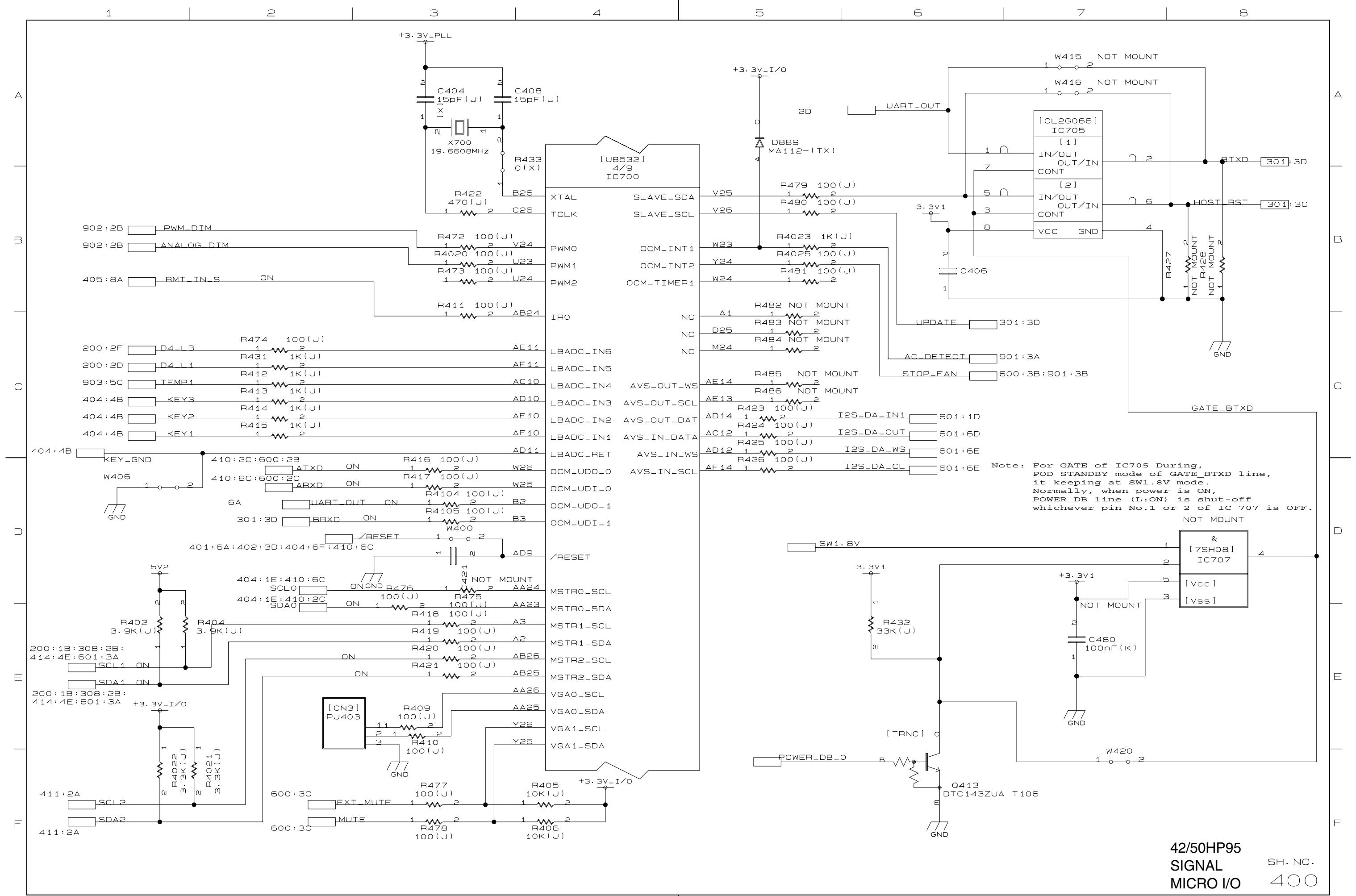
42/50HP95
 SIGNAL
 EEPROM1

SH. NO.
 309



42/50HP95
 SIGNAL
 EEPROM2

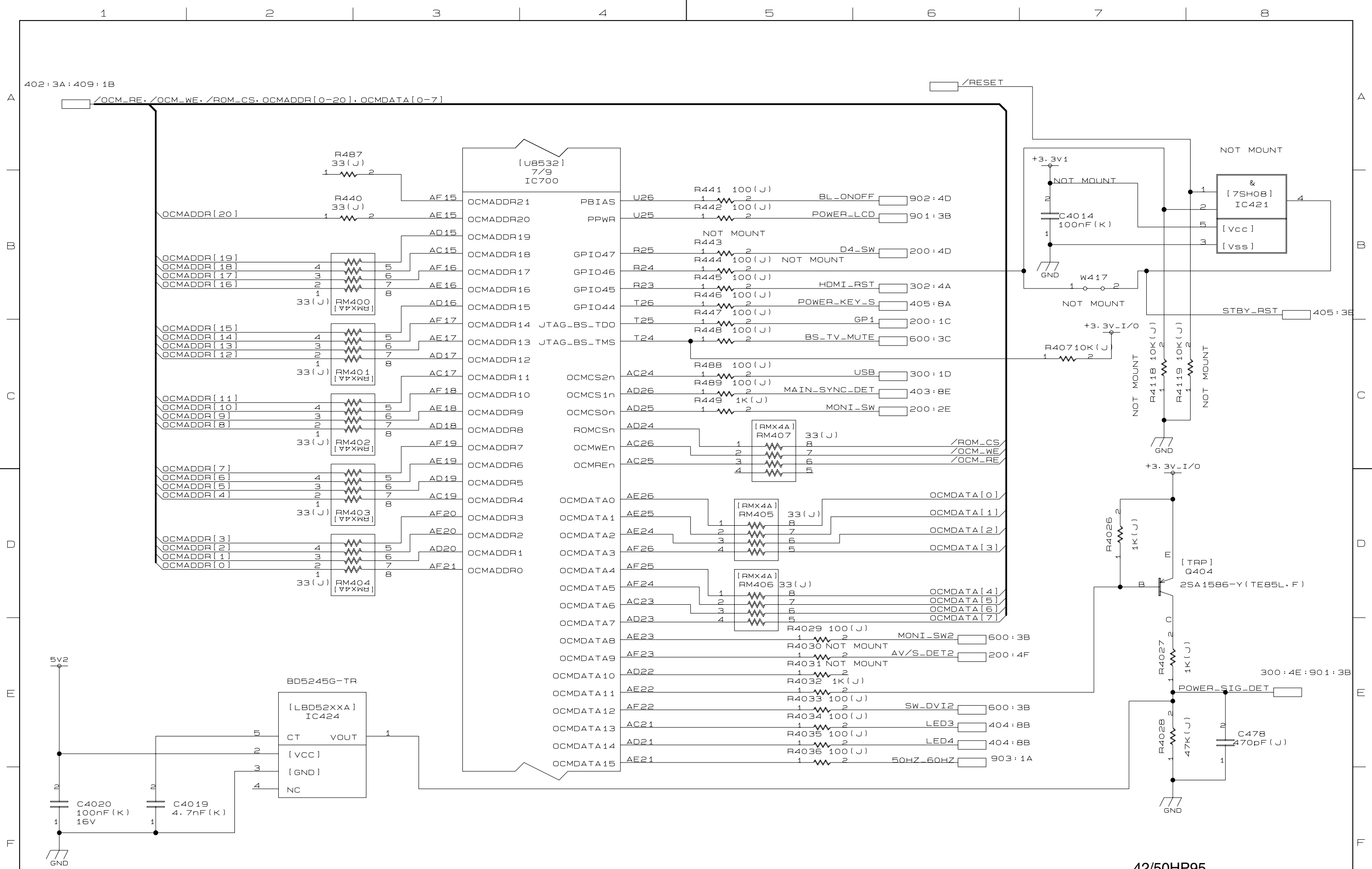
SH. NO.
 310



Note: For GATE of IC705 During, POD STANDBY mode of GATE_BTXXD line, it keeping at SW1.8V mode. Normally, when power is ON, POWER_DB line (L:ON) is shut-off whichever pin No.1 or 2 of IC 707 is OFF.

42/50HP95
 SIGNAL
 MICRO I/O

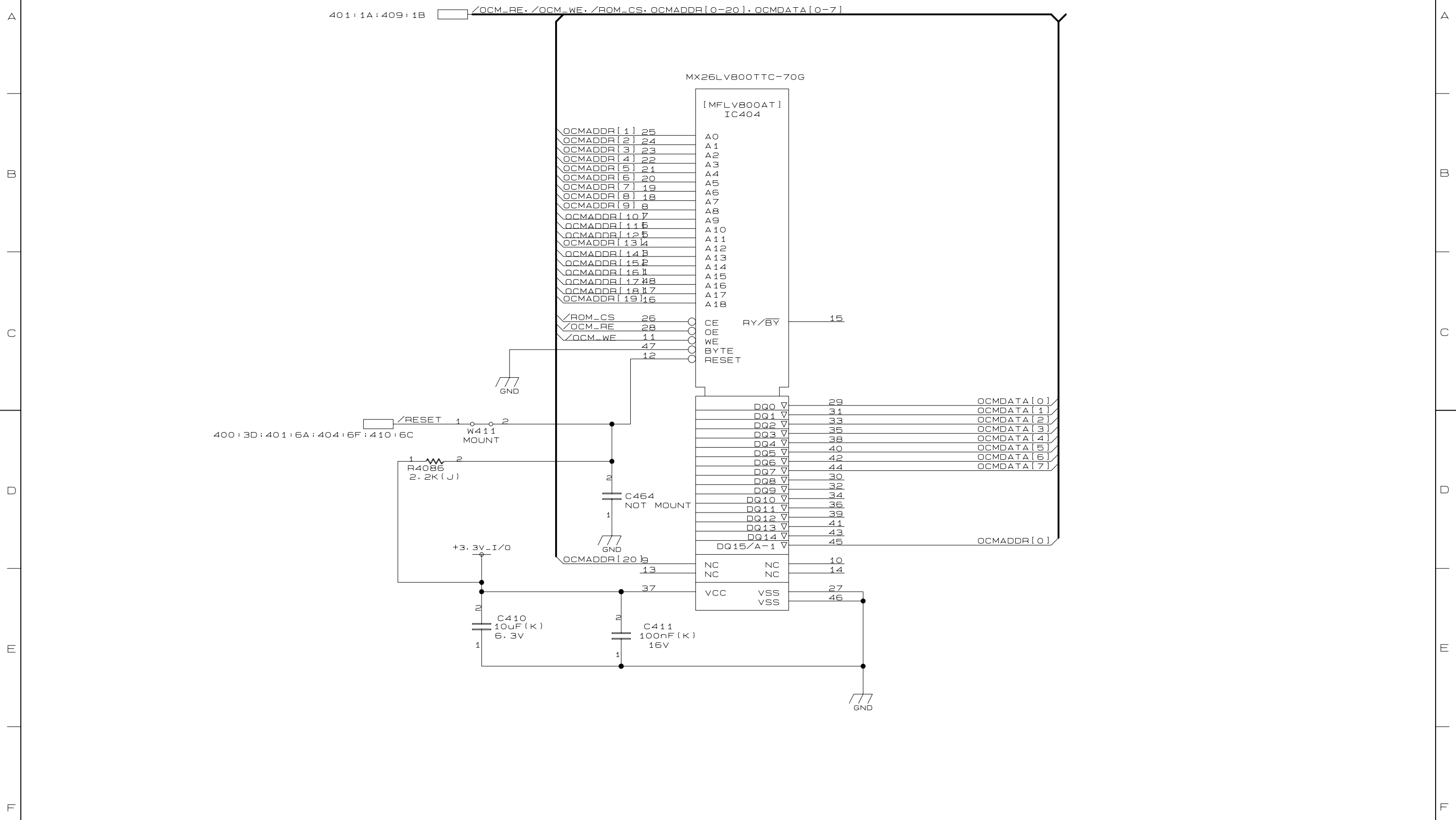
SH. NO.
 400



402:3A:409:1B

42/50HP95
 SIGNAL
 OCM MEMORY I/F

SH. NO.
 401



1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

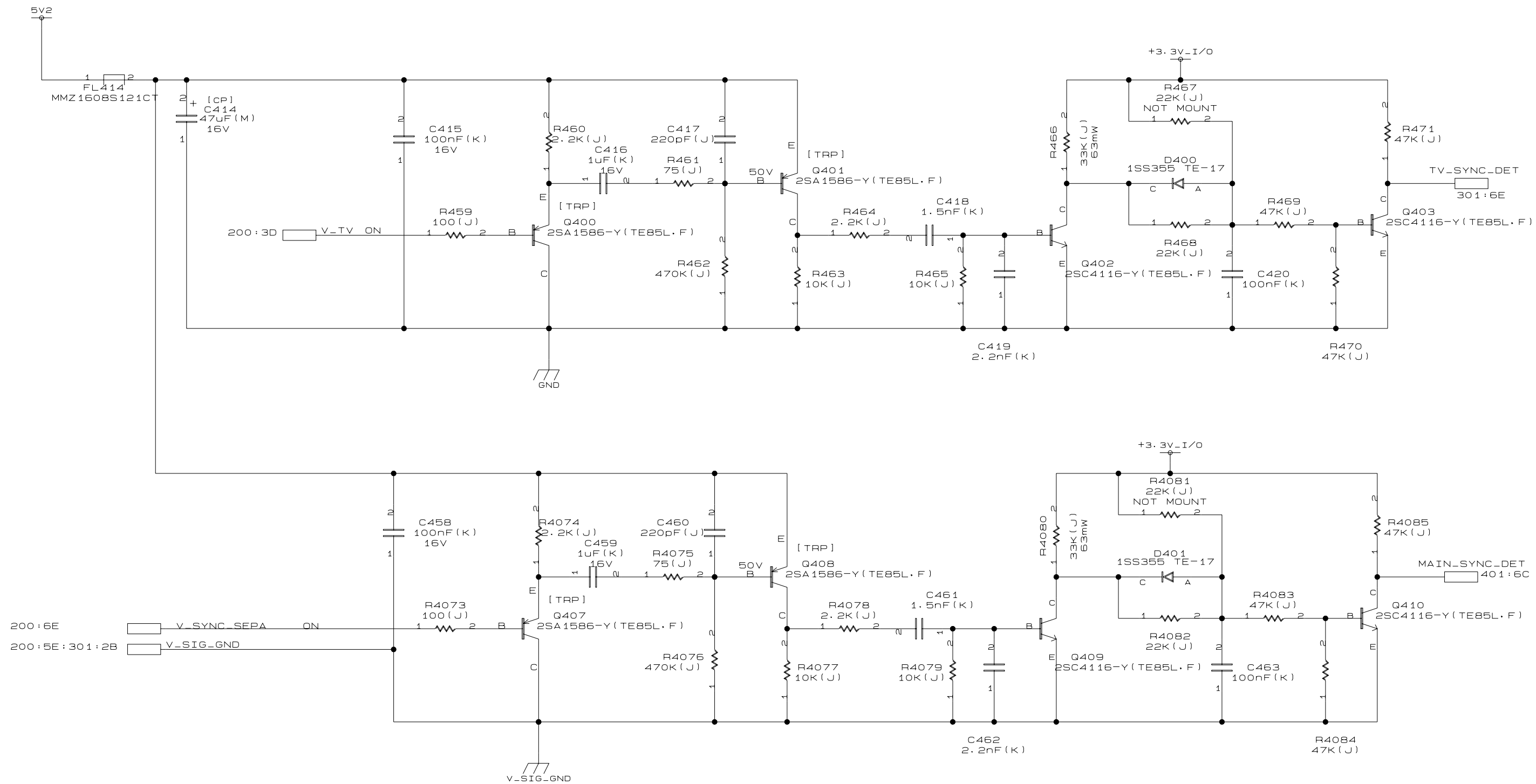
B

C

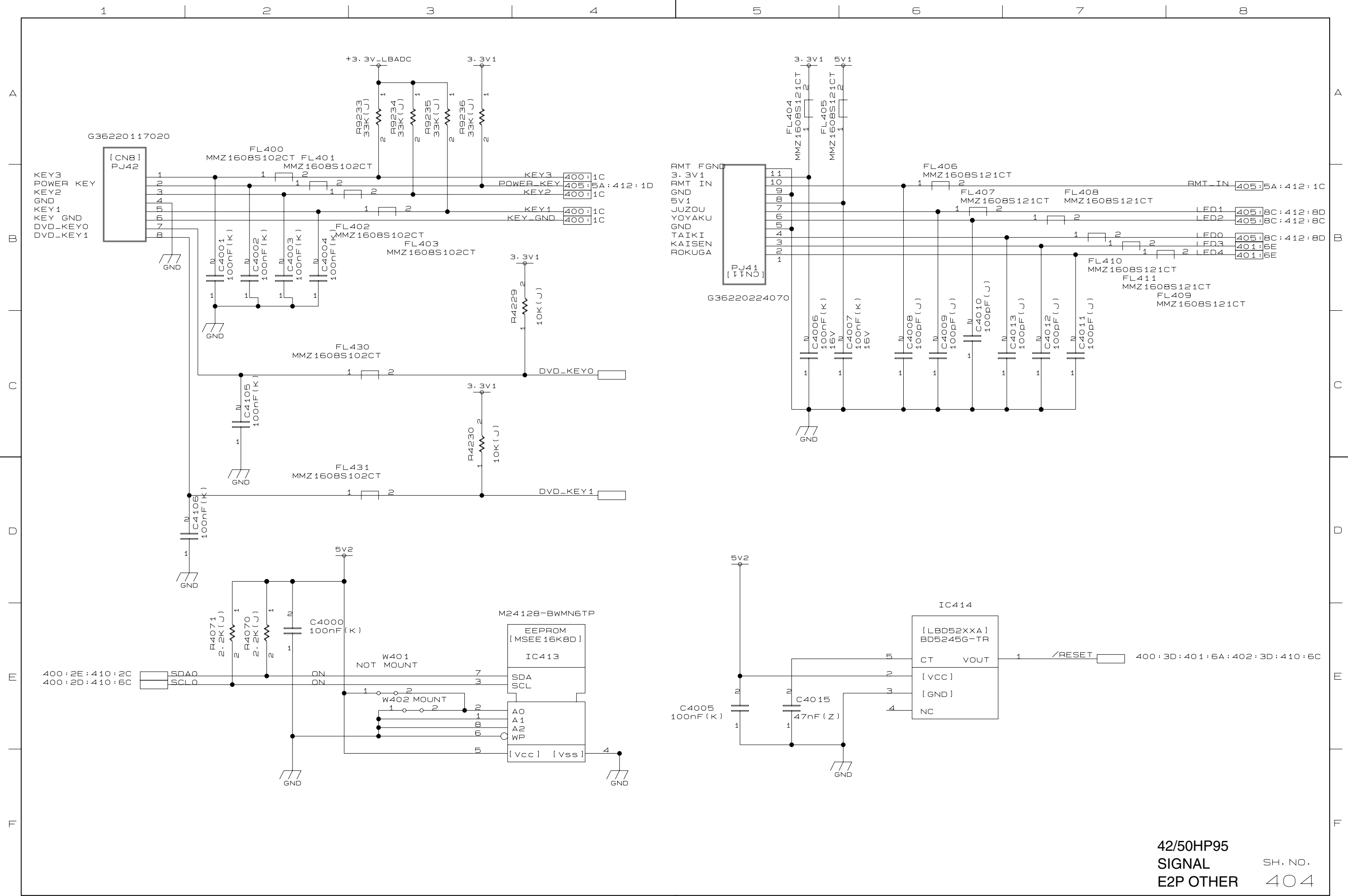
D

E

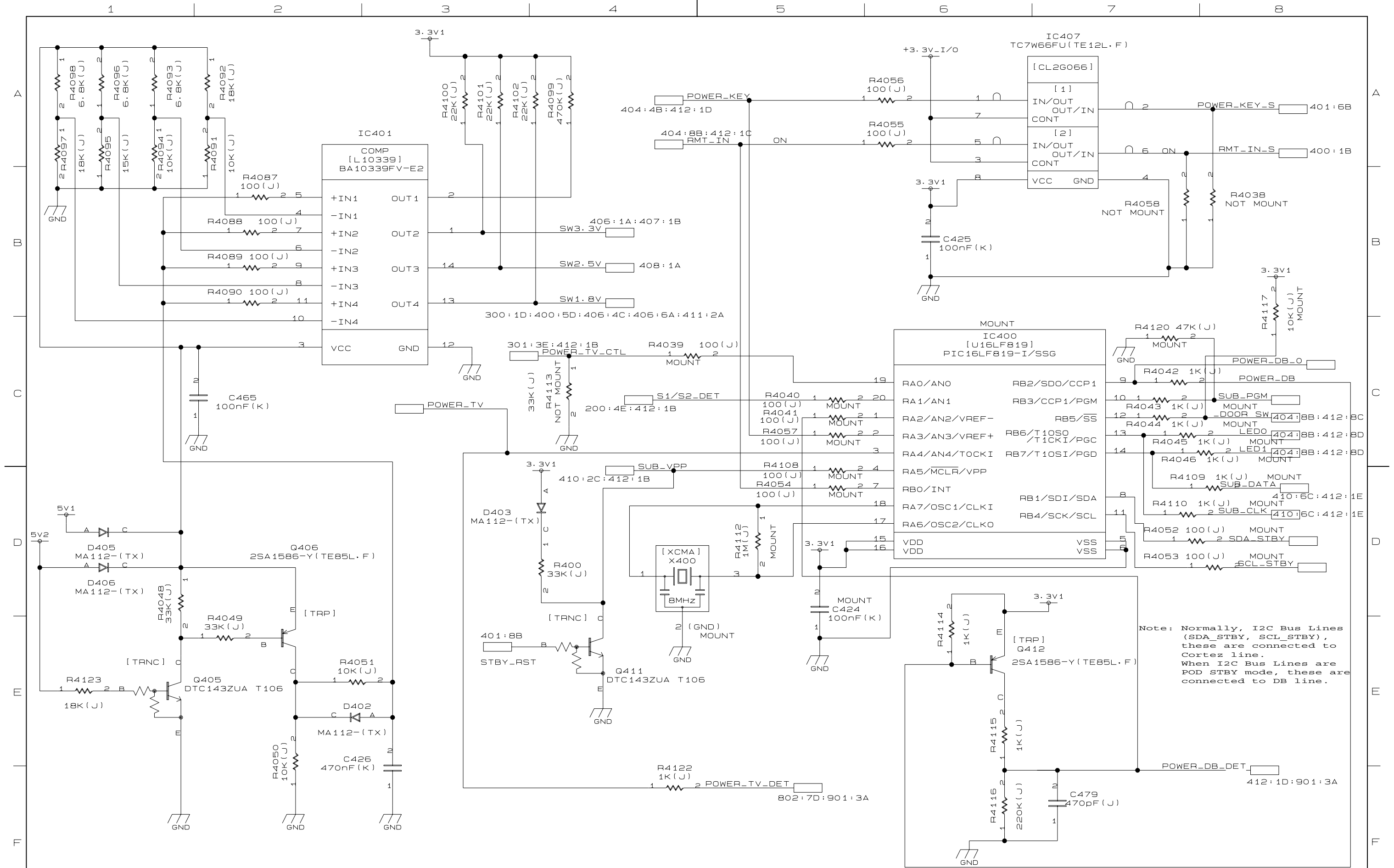
F

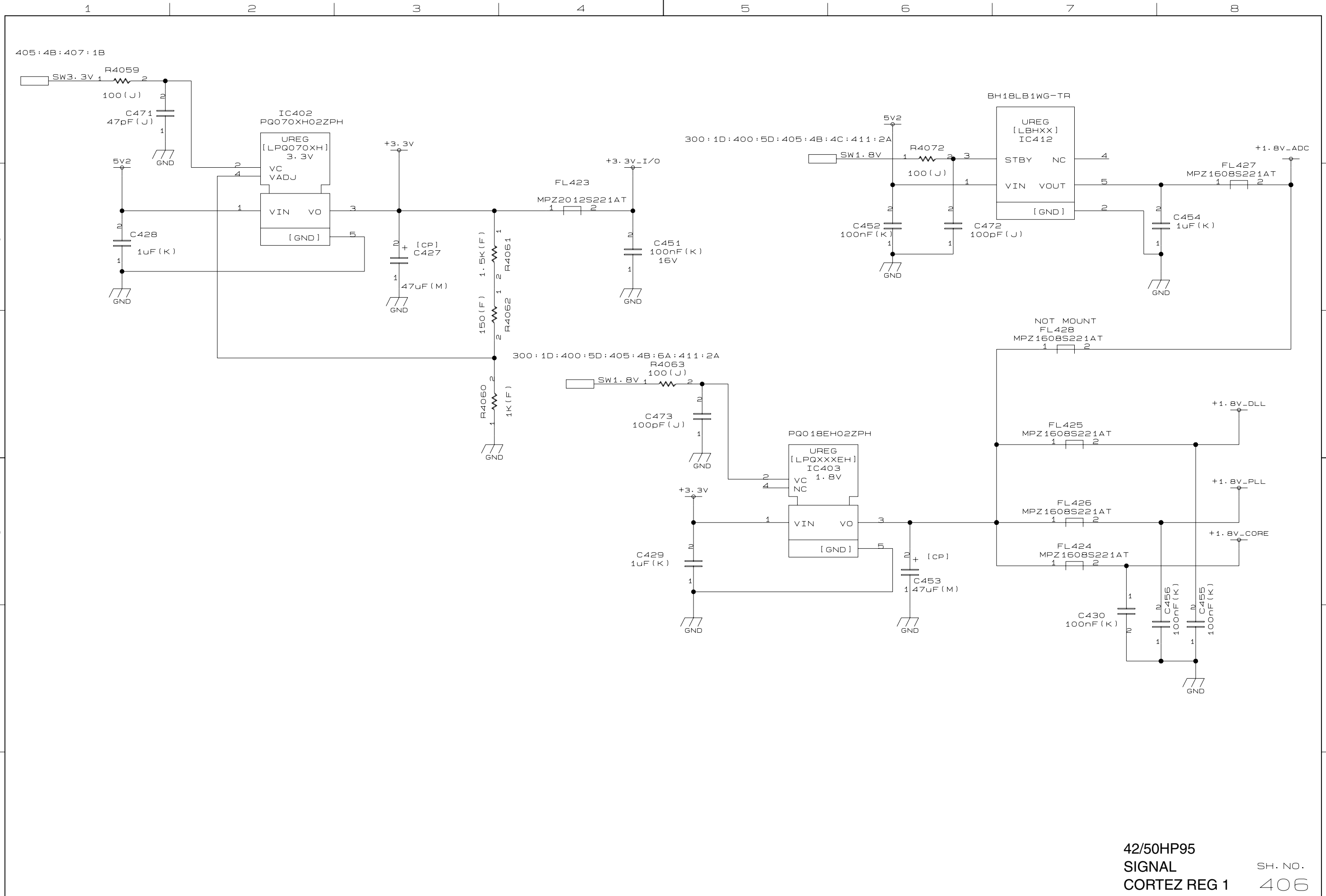


42/50HP95
 SIGNAL SH. NO.
 SYNC SEPA 403



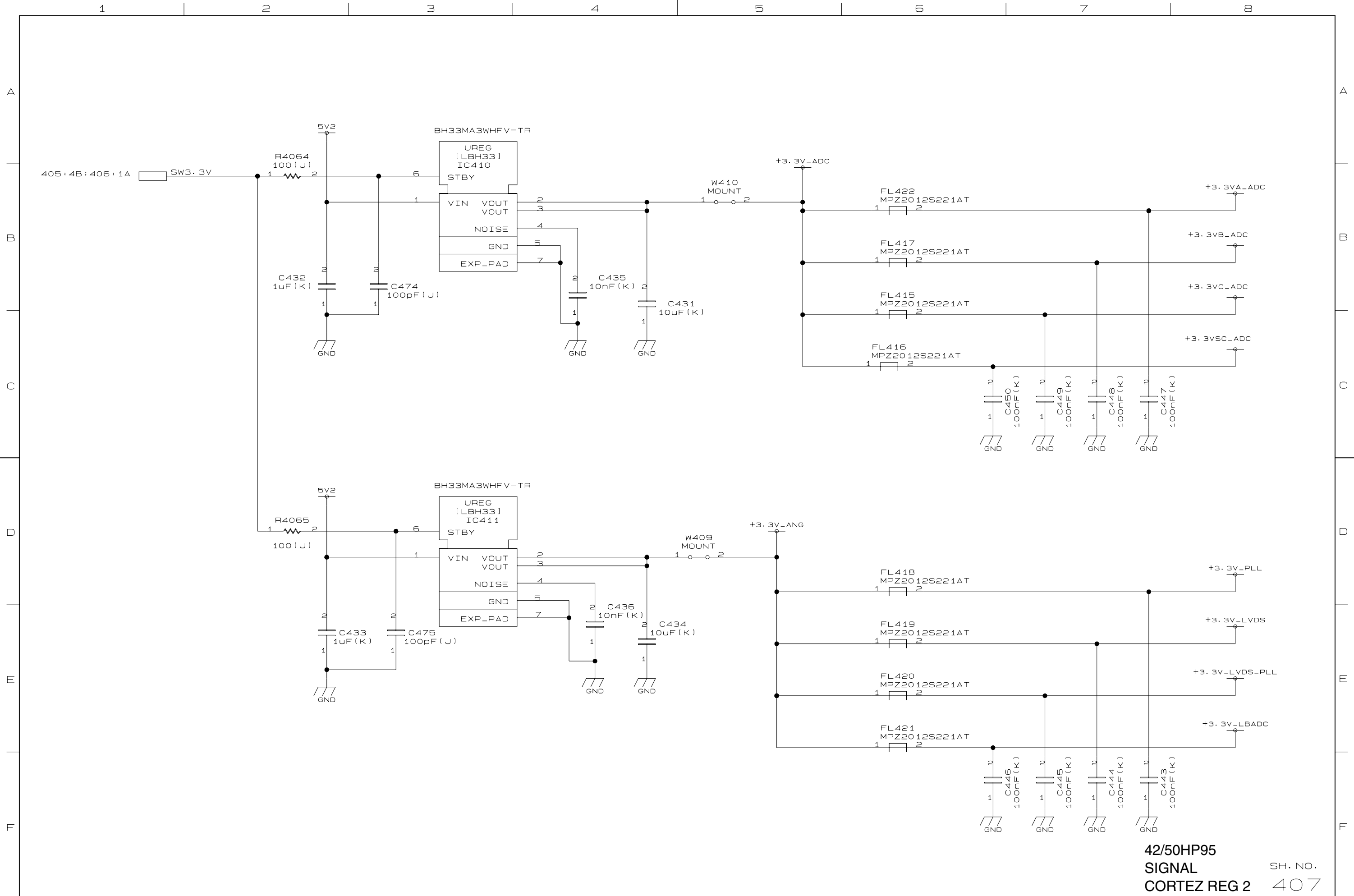
42/50HP95
 SIGNAL SH. NO.
 E2P OTHER 404





42/50HP95
 SIGNAL
 CORTEZ REG 1

SH. NO.
 406

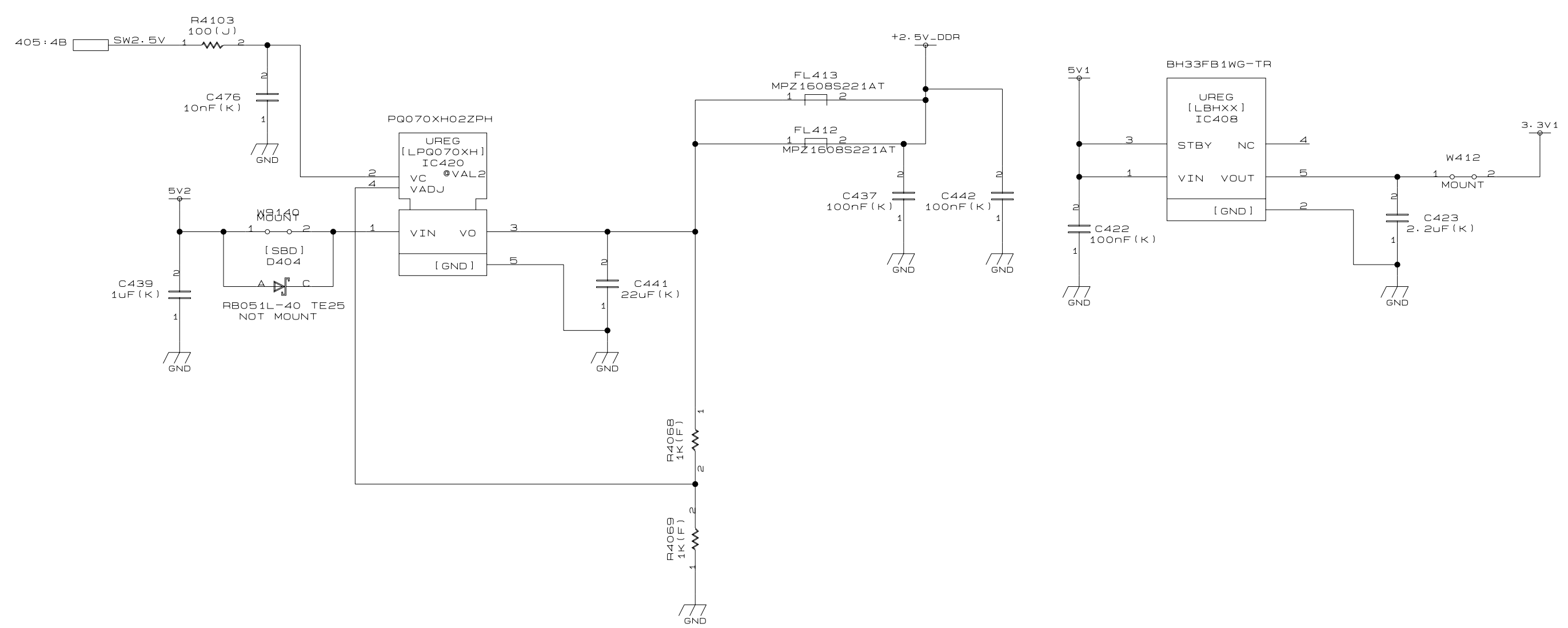


42/50HP95
 SIGNAL
 CORTEZ REG 2

SH. NO.
 407

A
B
C
D
E
F

A
B
C
D
E
F



42/50HP95
SIGNAL
CORTEZ REG 3

SH. NO.
408

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

B

C

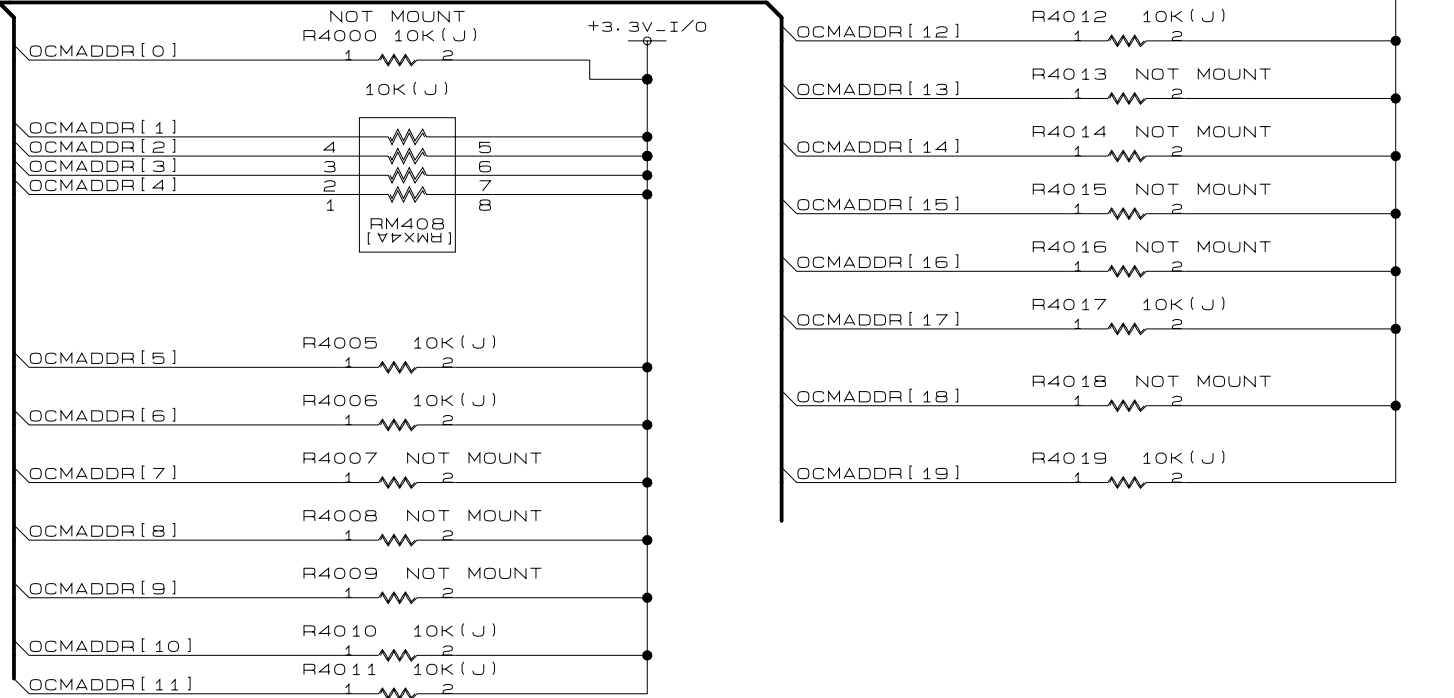
D

E

F

401:1A:402:3A

OCMADDR[0-19]



42/50HP95
SIGNAL
BOOT CONFIG

SH. NO.
409

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

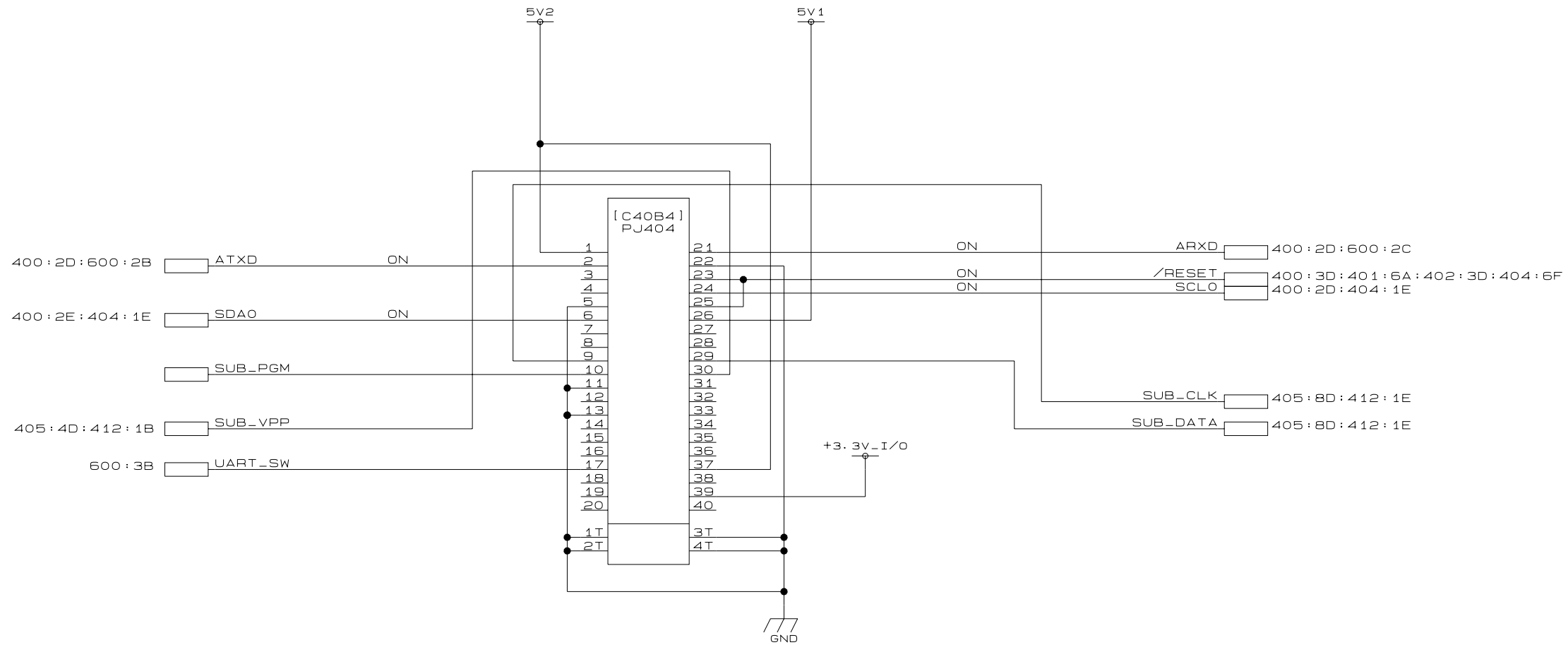
B

C

D

E

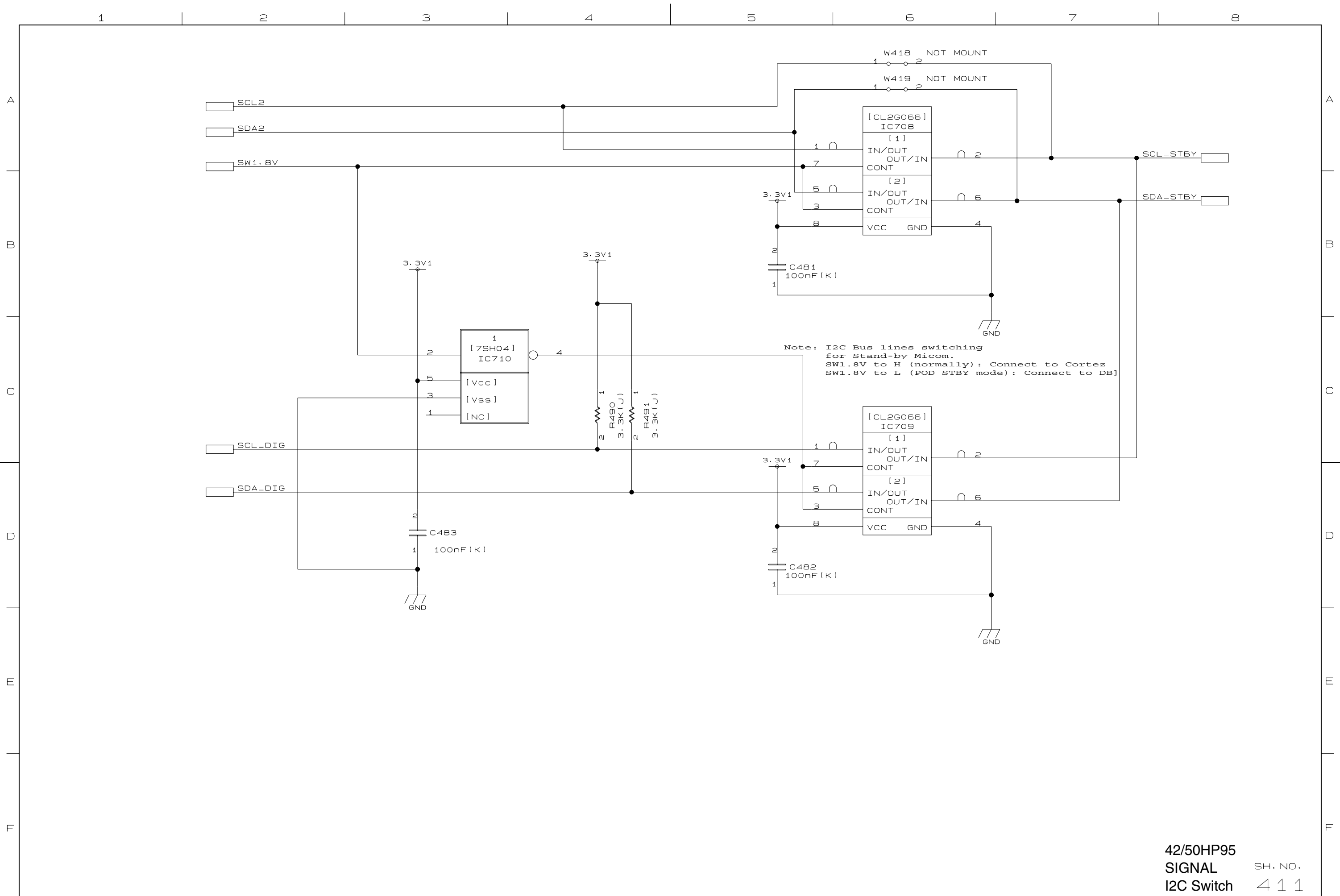
F



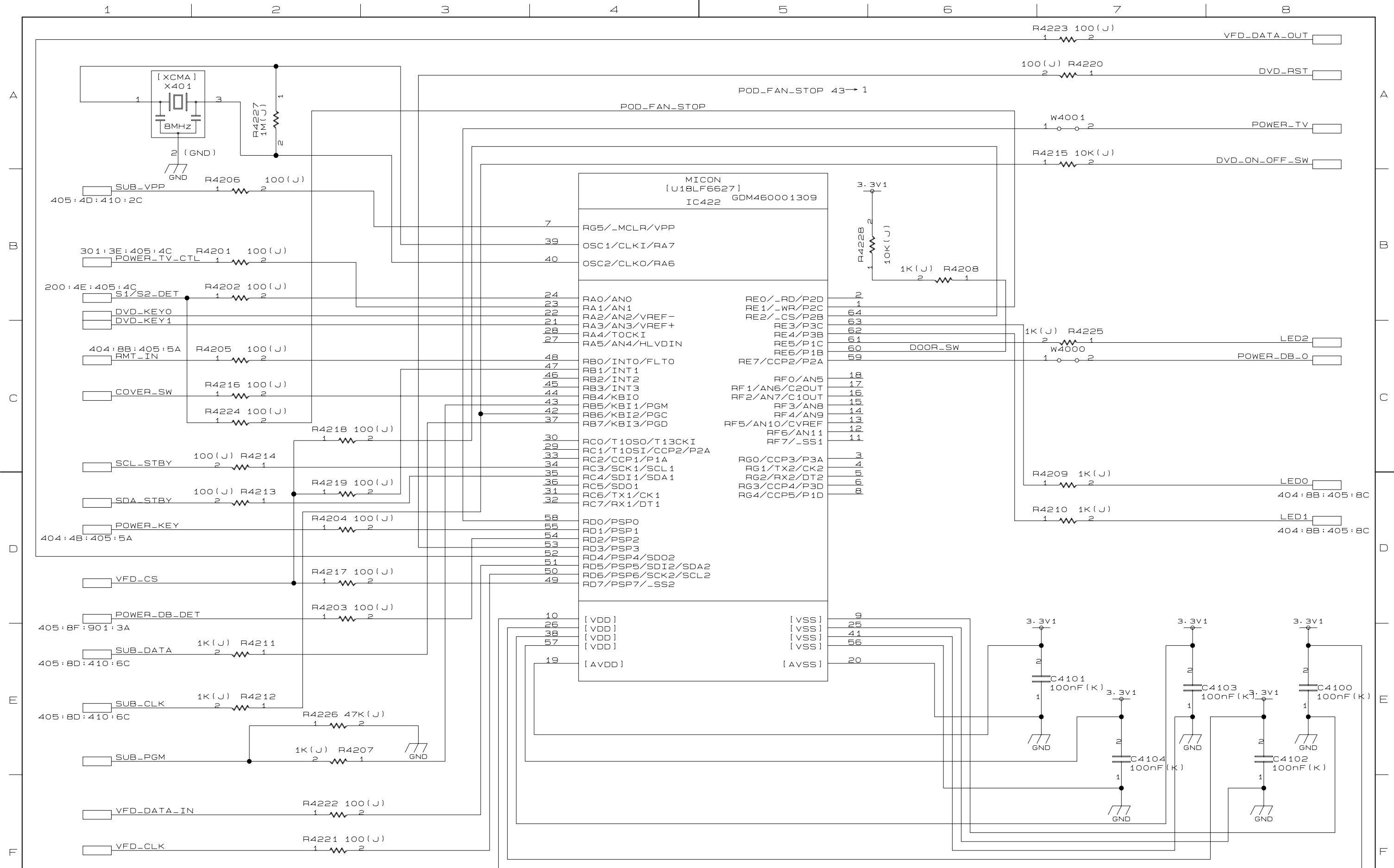
42/50HP95
 SIGNAL
 SERVICE CONNECTOR 410

SH. NO.

410

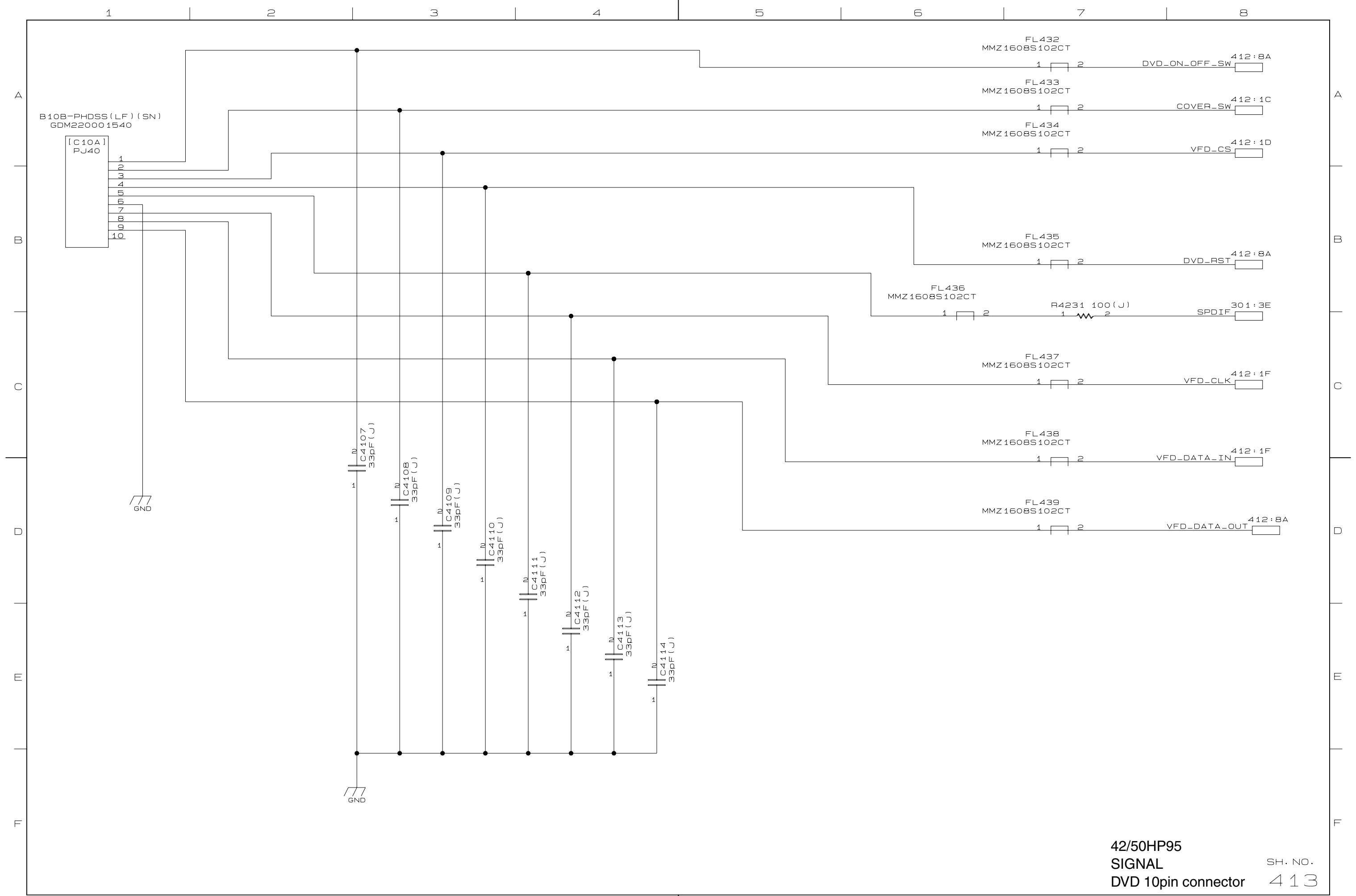


42/50HP95
 SIGNAL SH. NO.
 I2C Switch 4 1 1



42/50HP95
 SIGNAL
 STBY MICROSIGNAL for DVD internal

SH. NO. 412



42/50HP95
 SIGNAL
 DVD 10pin connector

SH. NO.
 413

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

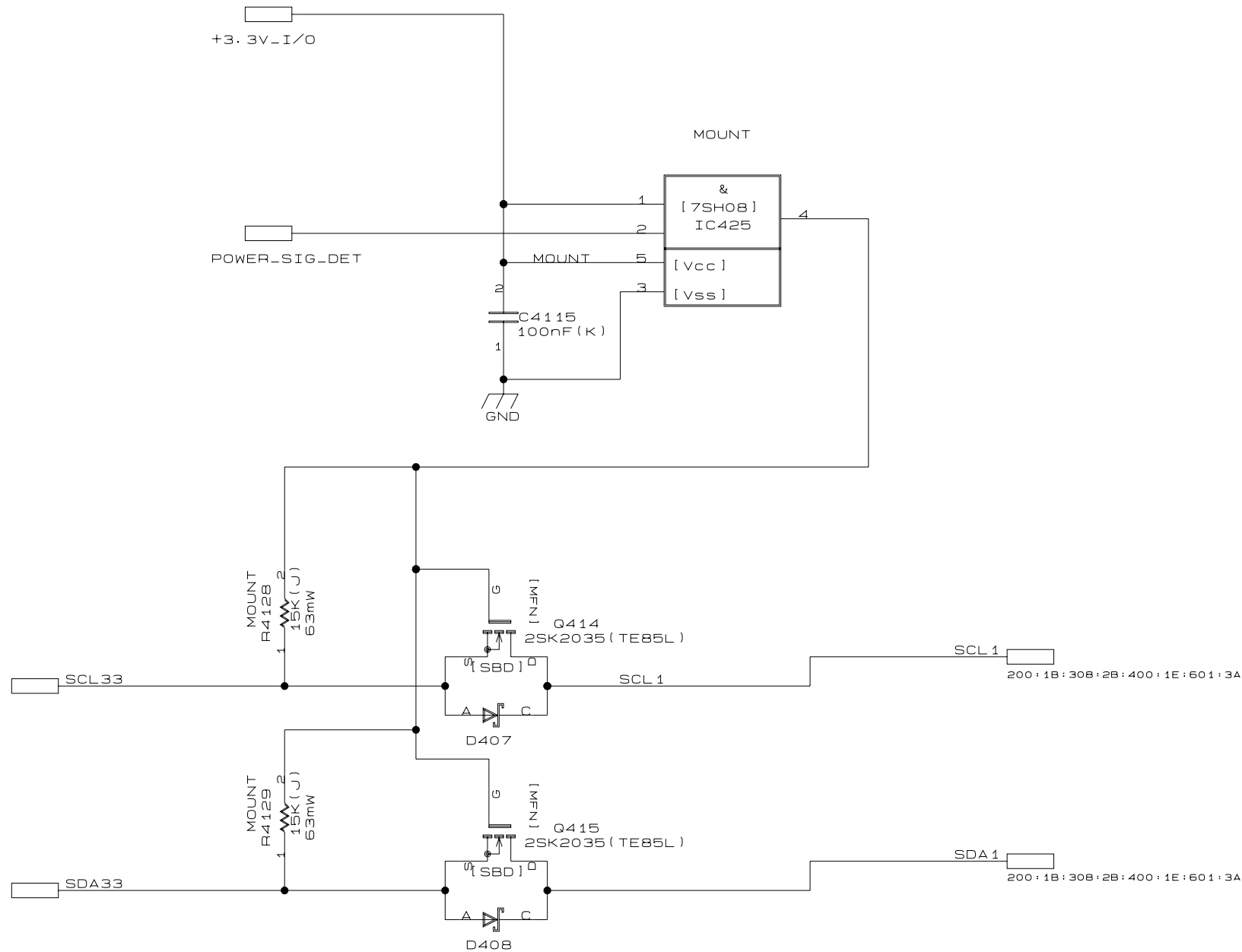
B

C

D

E

F



42/50HP95
 SIGNAL SH. NO.
 I2C Level shift 414

A

B

C

D

E

F

A

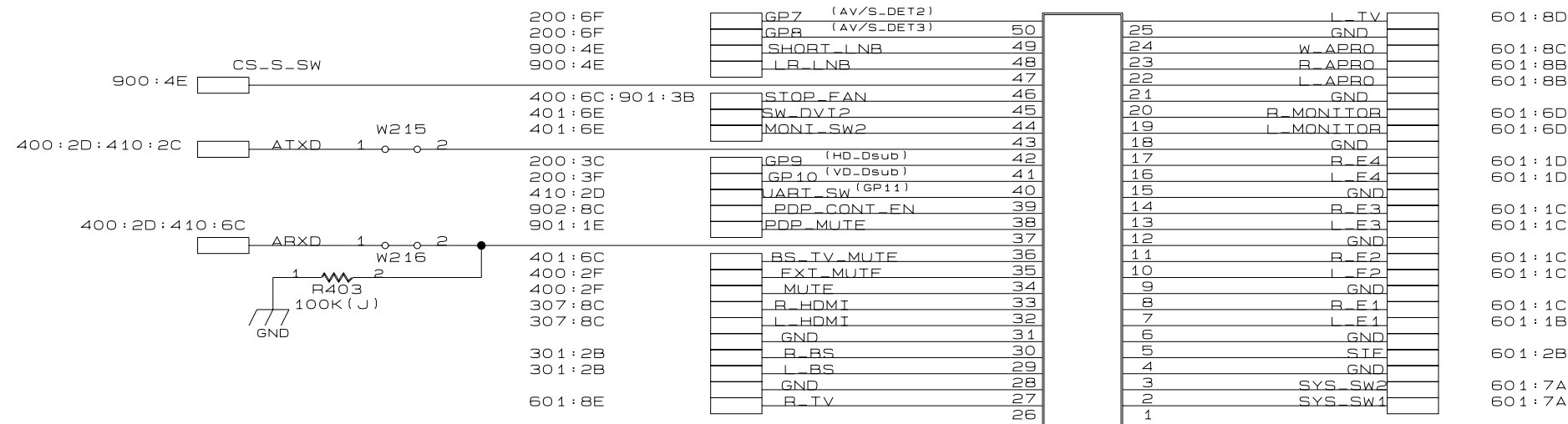
B

C

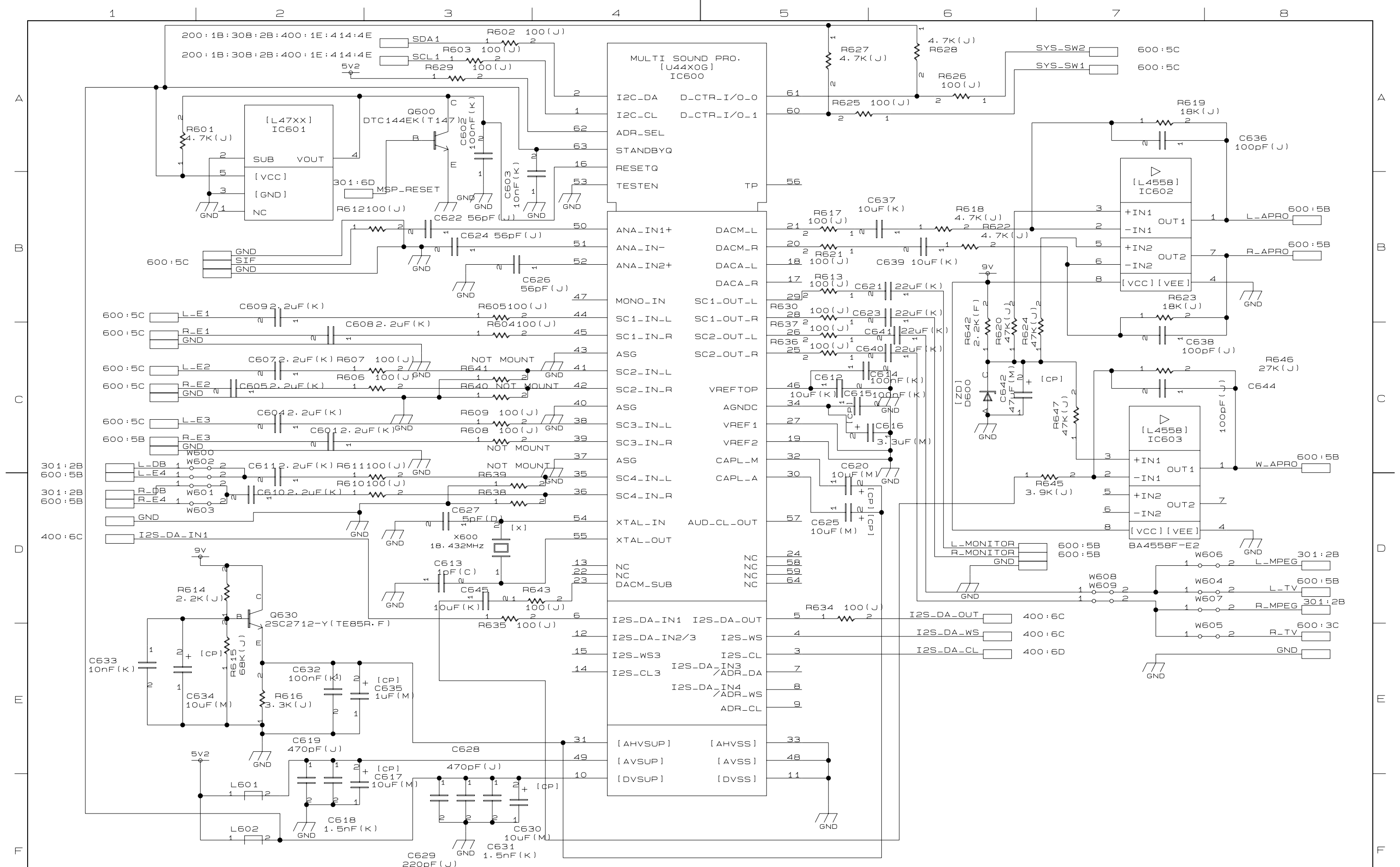
D

E

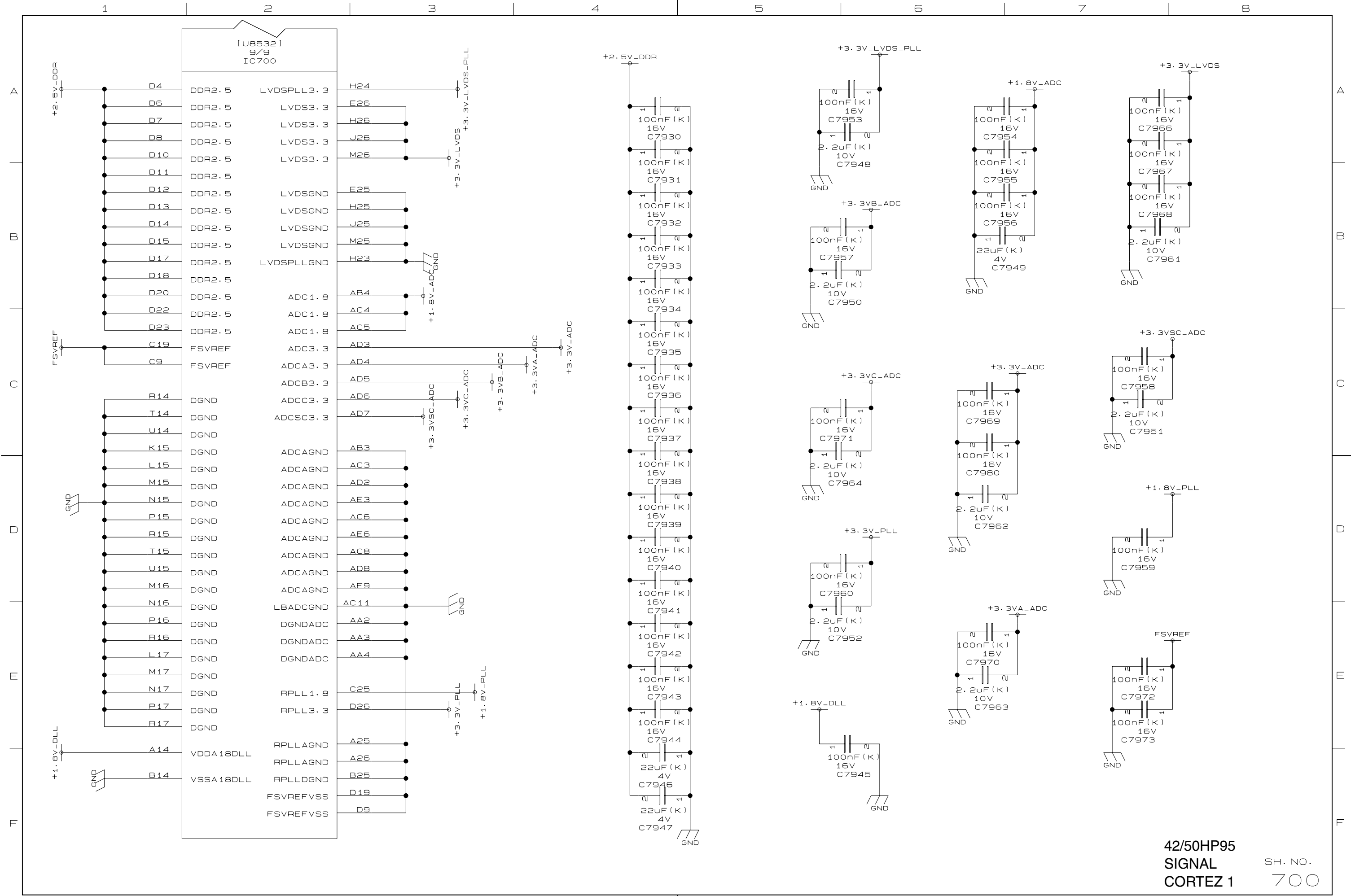
F



G36220157026

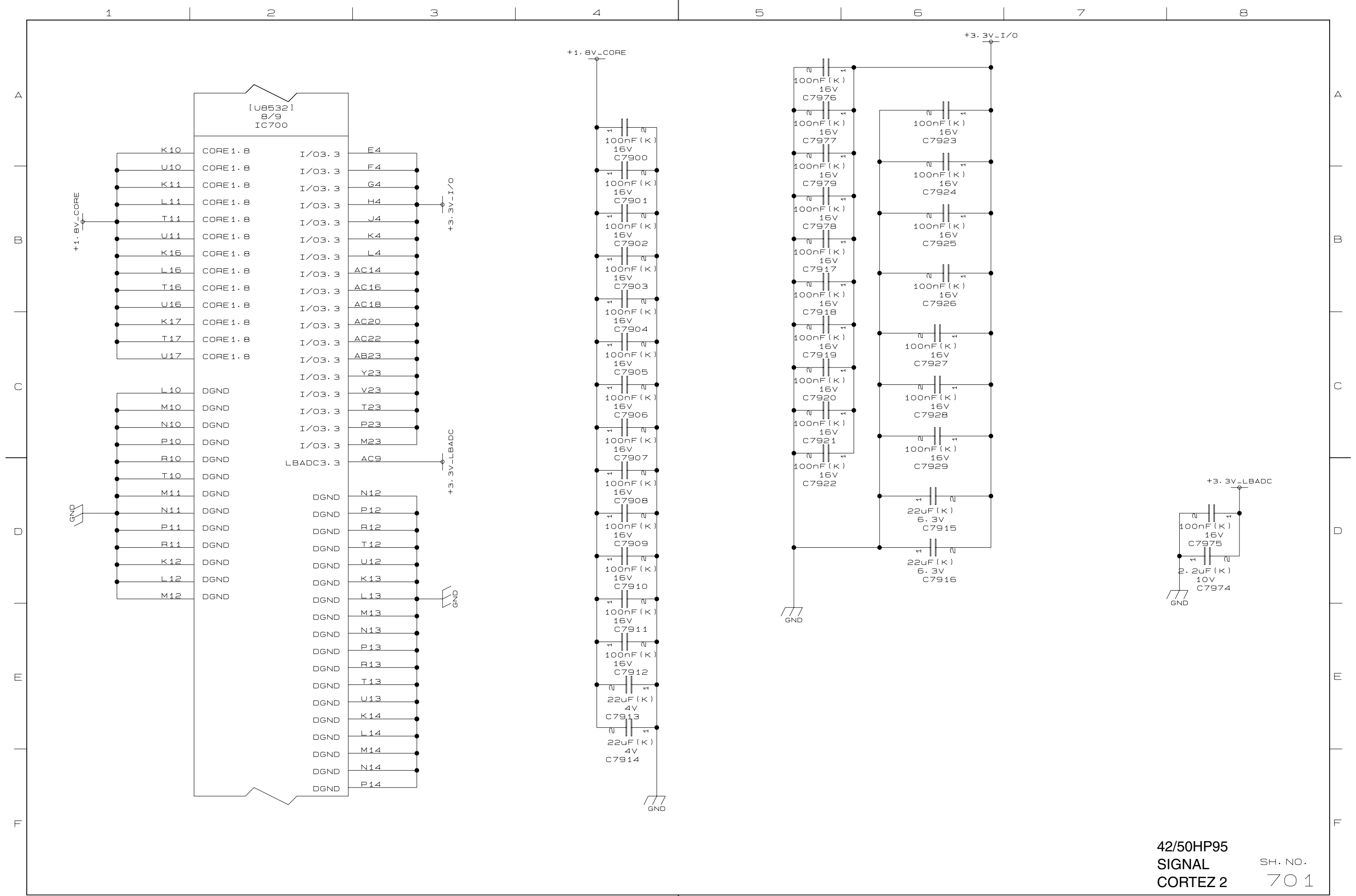


42/50HP95
 SIGNAL SH. NO.
 AUDIO MSP 601



42/50HP95
 SIGNAL
 CORTEZ 1

SH. NO.
 700



42/50HP95
 SIGNAL
 CORTEZ 2

SH. NO.
 701

A

B

C

D

E

F

A

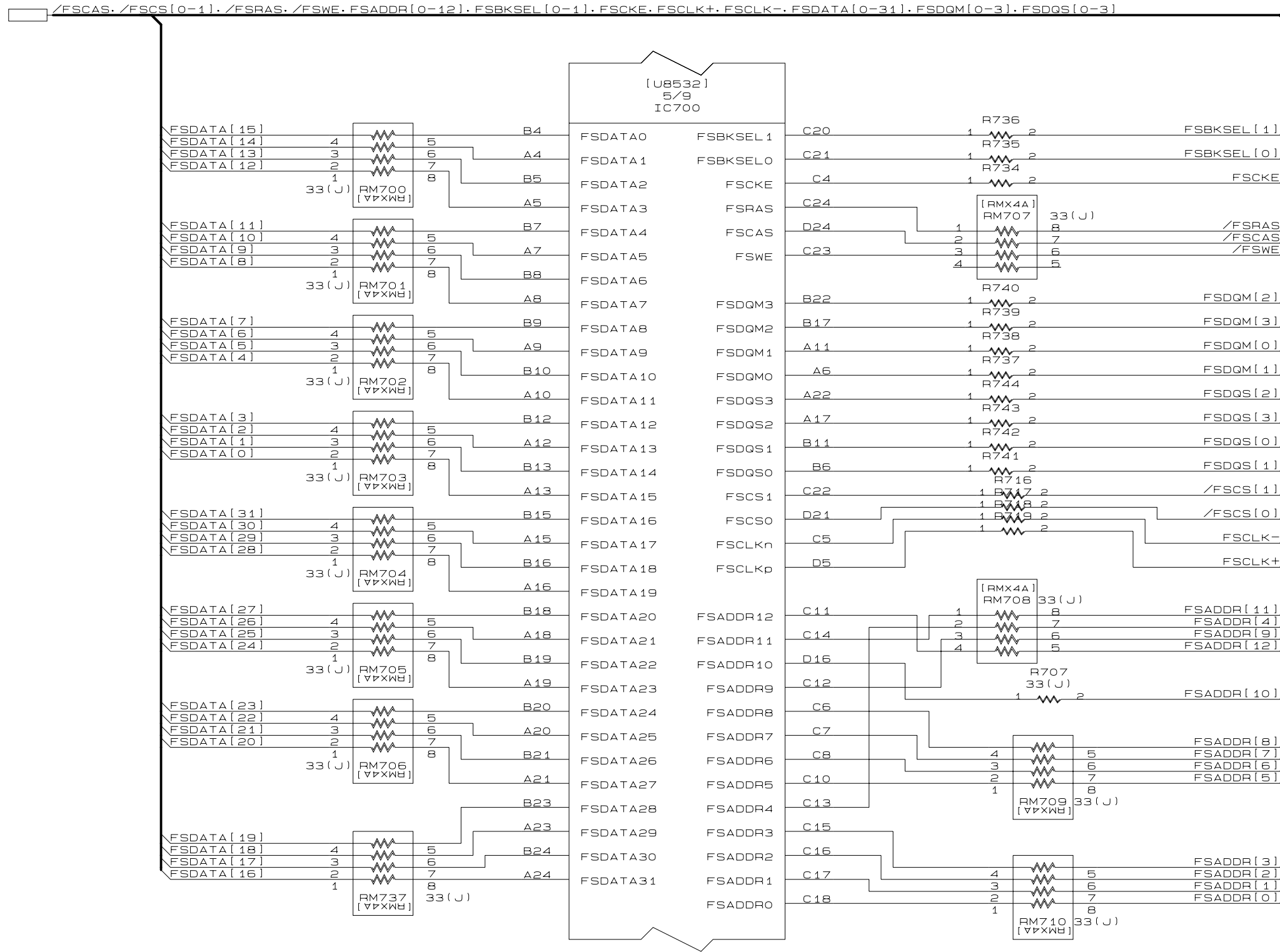
B

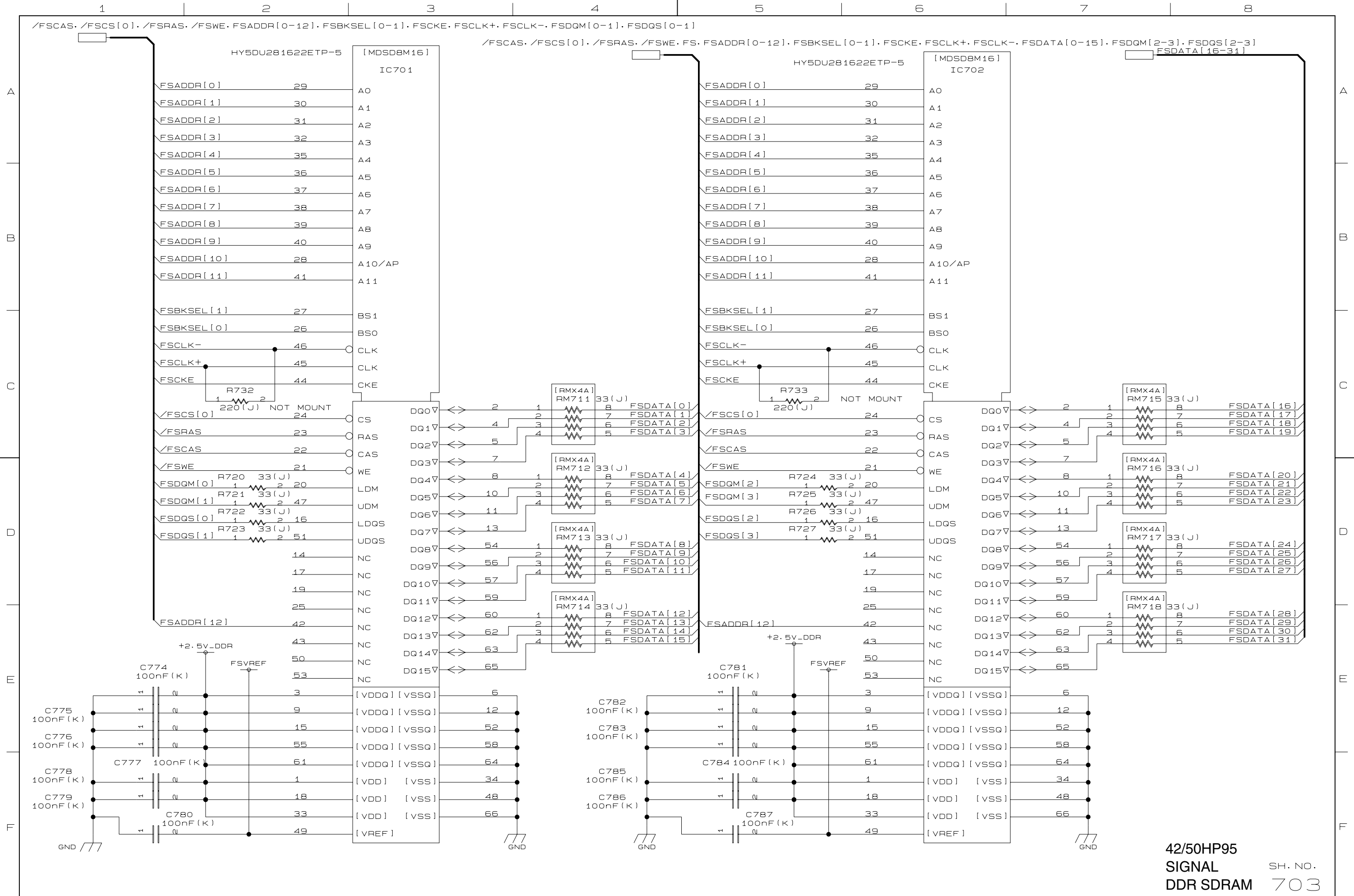
C

D

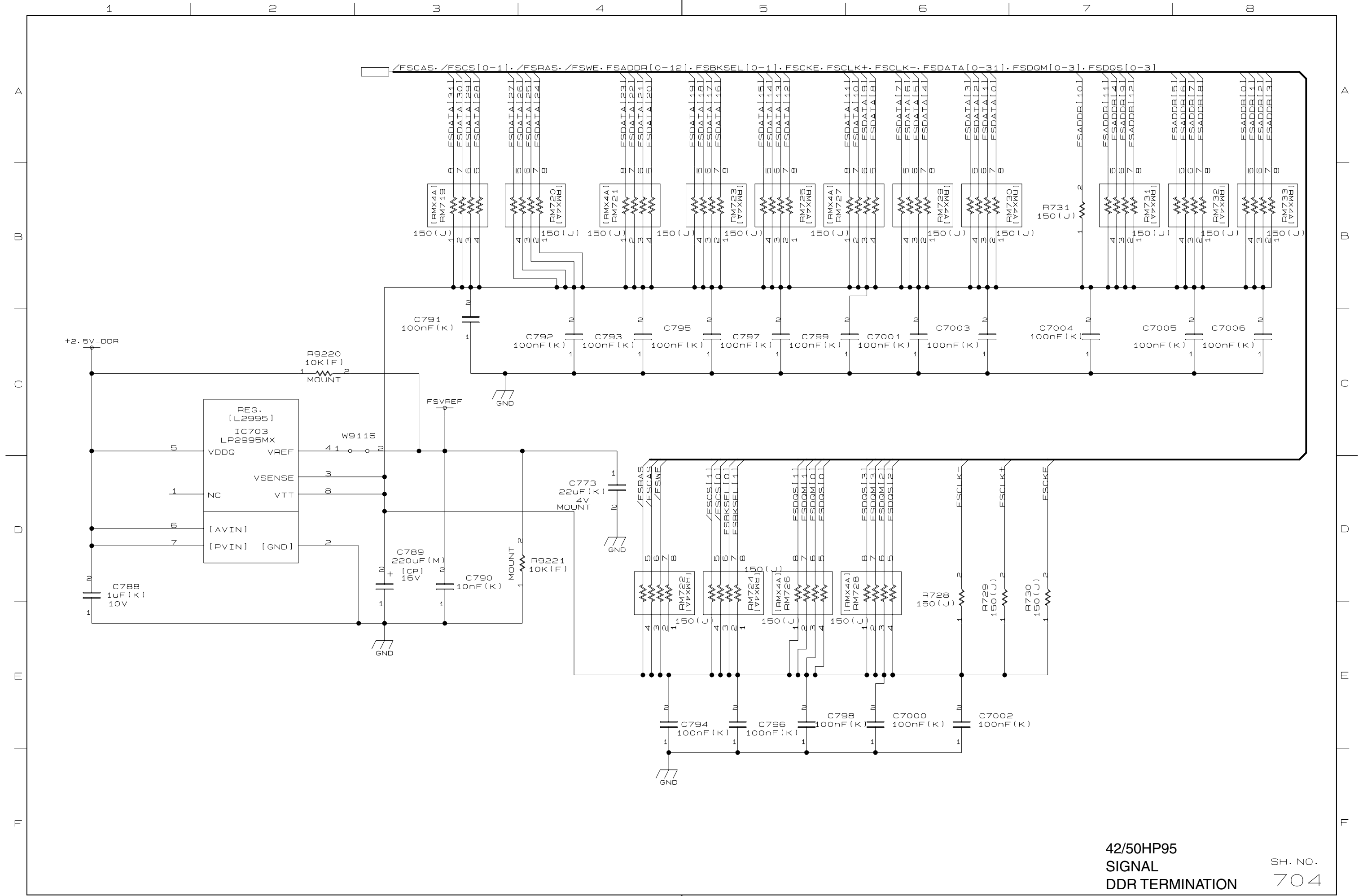
E

F





42/50HP95
 SIGNAL SH. NO.
 DDR SDRAM 703

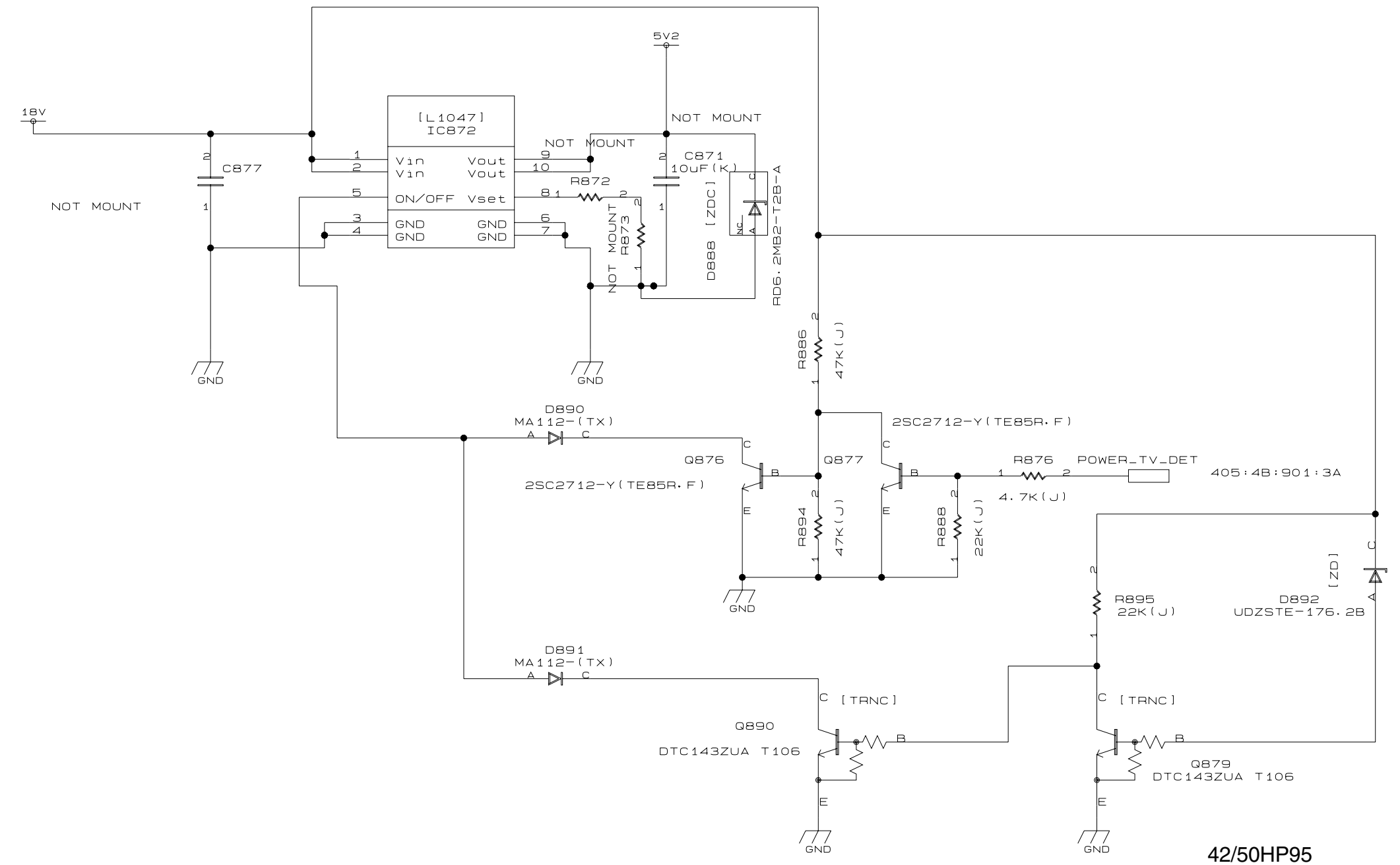
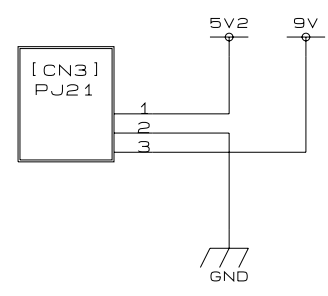


42/50HP95
 SIGNAL
 DDR TERMINATION
 SH. NO.
 704

1 2 3 4 5 6 7 8

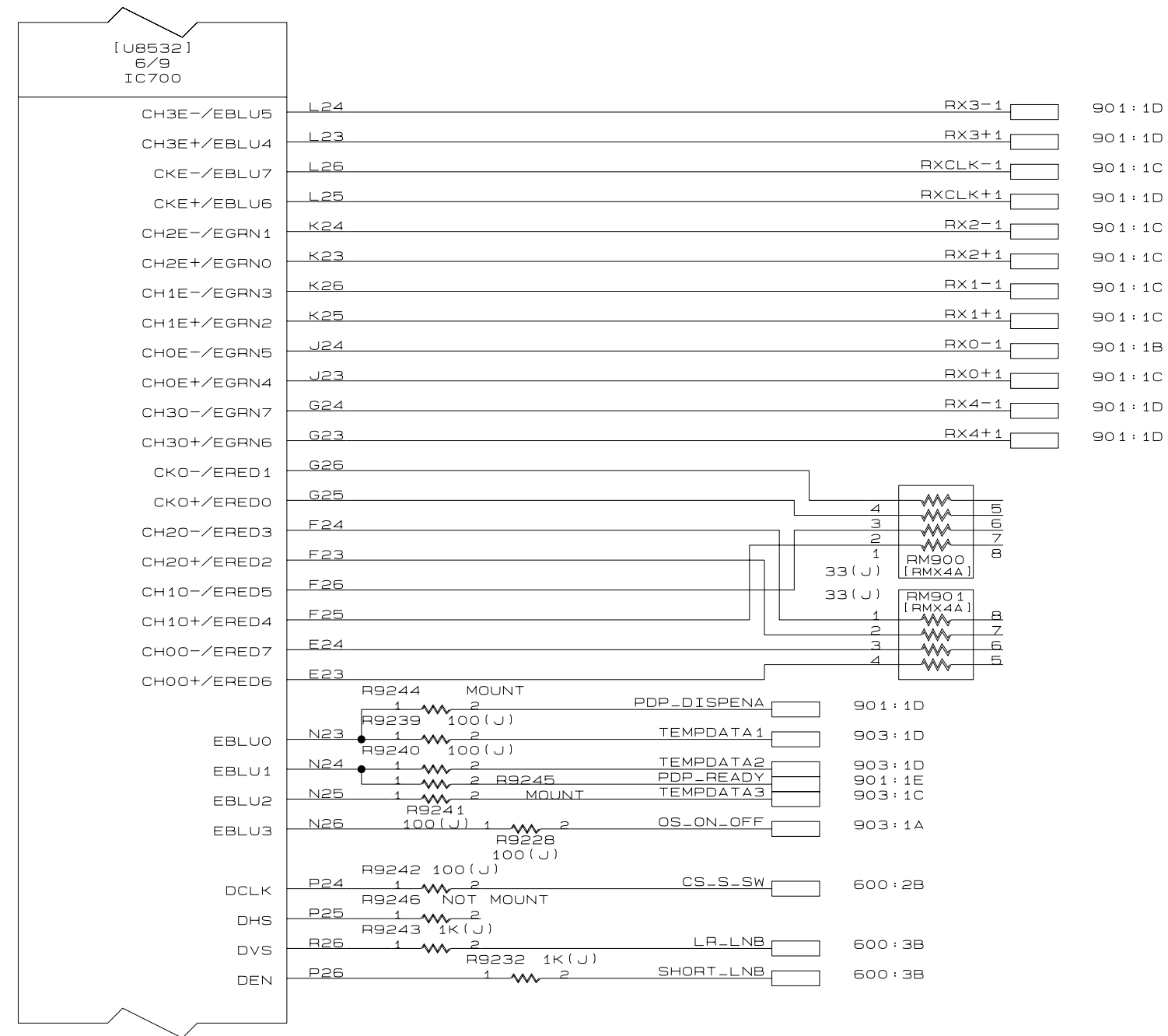
A
B
C
D
E
F

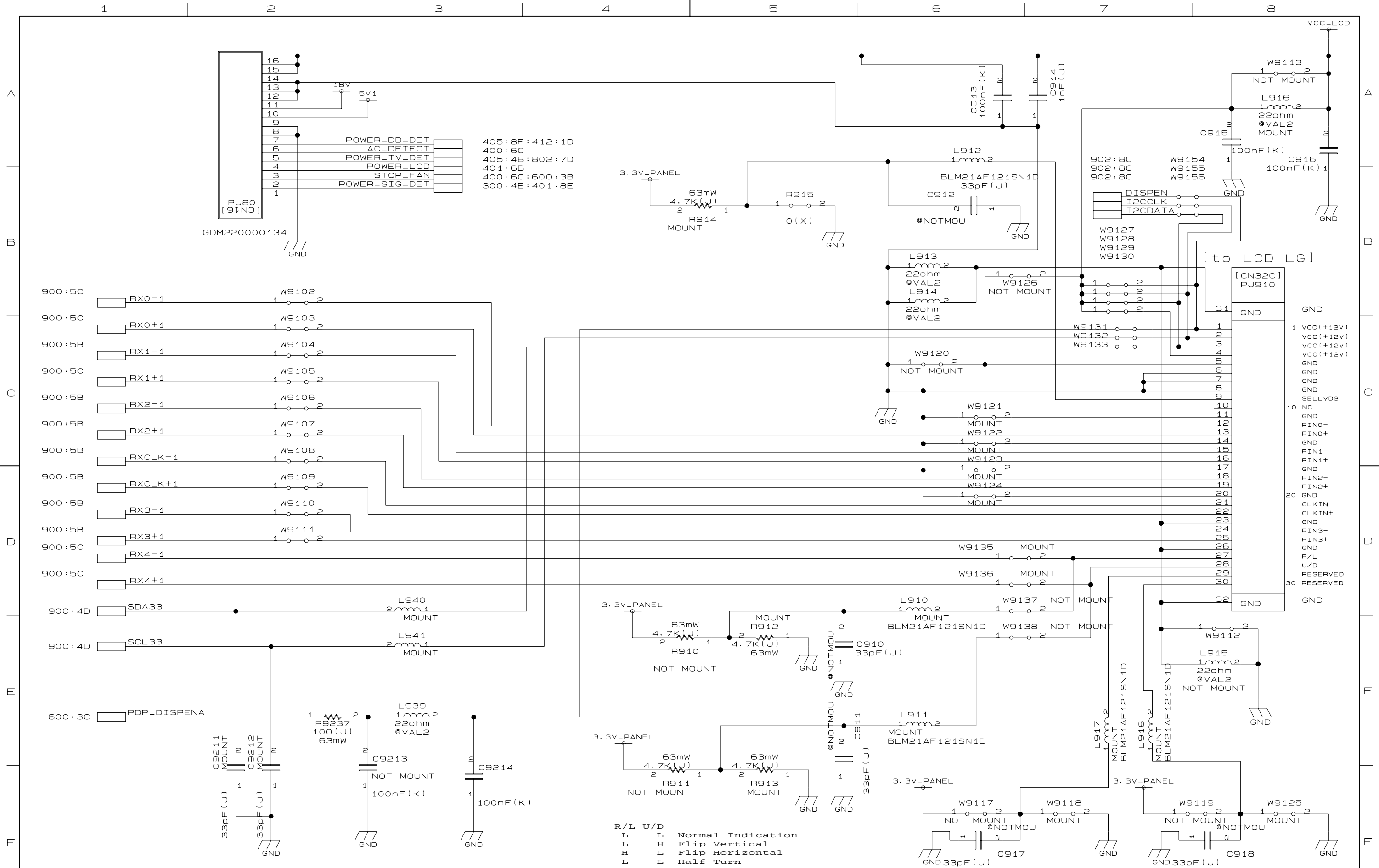
A
B
C
D
E
F



42/50HP95
SIGNAL
DCDC CONV. SH. NO. 802

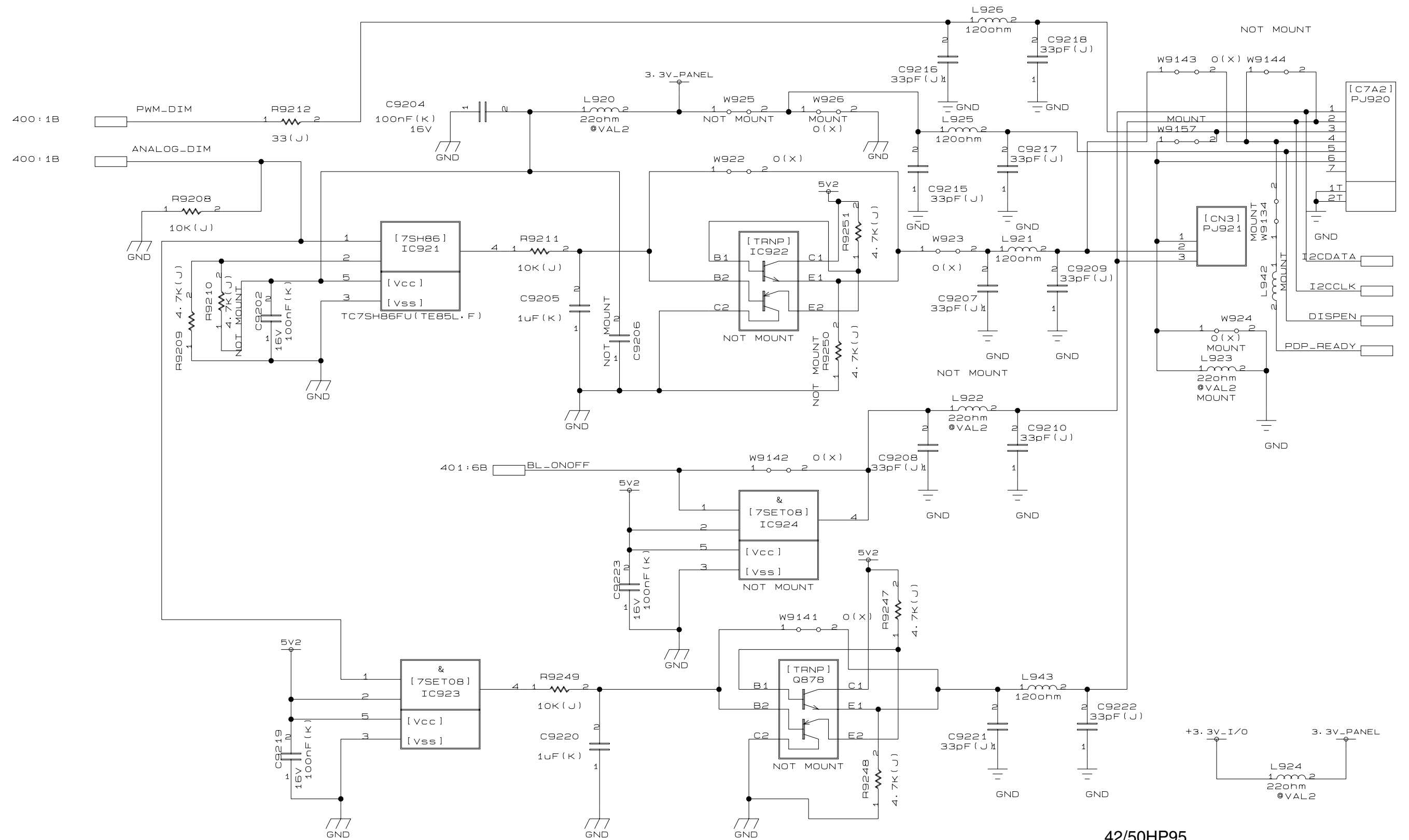
A
B
C
D
E
F





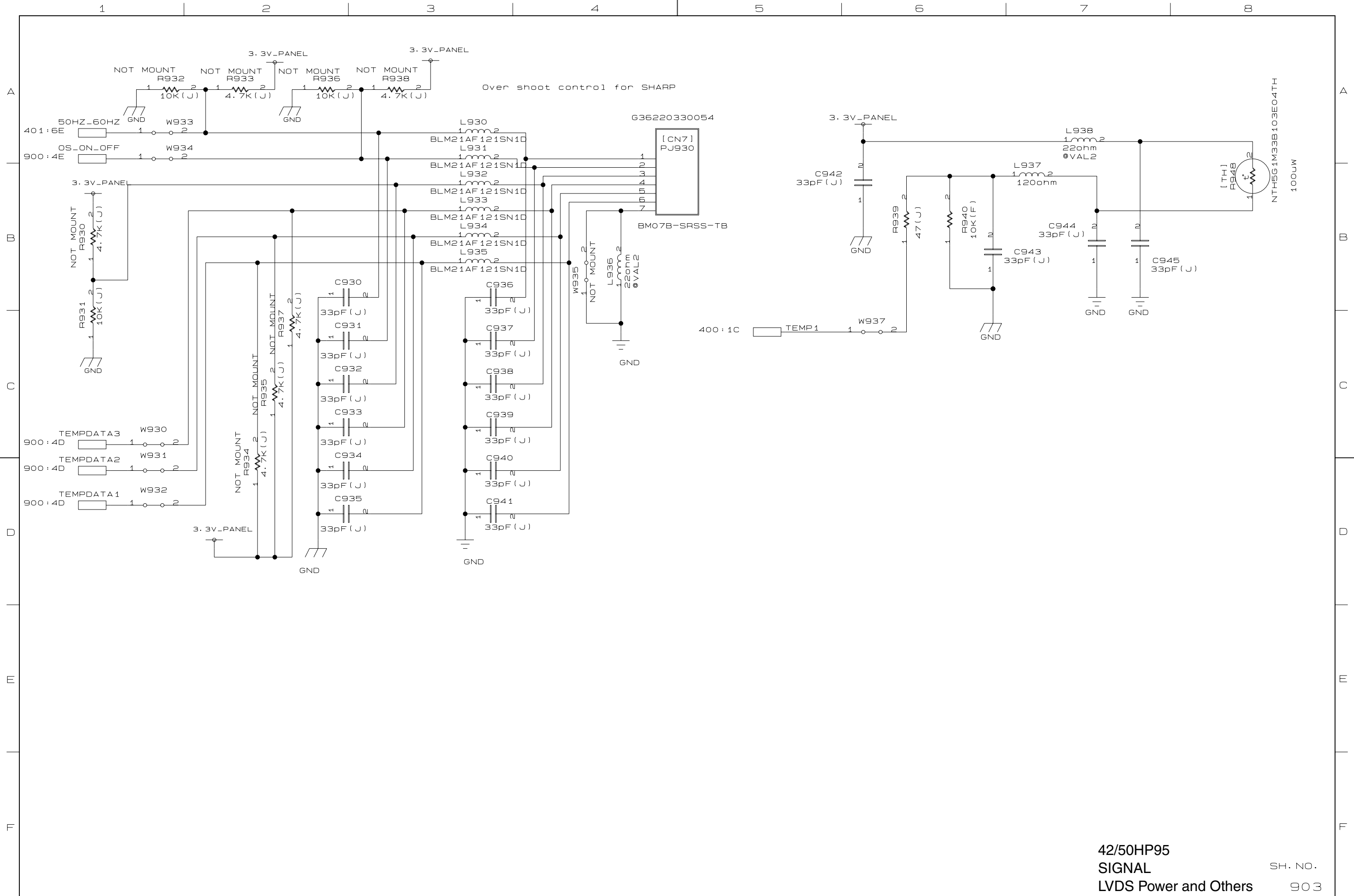
42/50HP95
 SIGNAL LVDS OUT(SHARP LCD)

SH. NO. 901



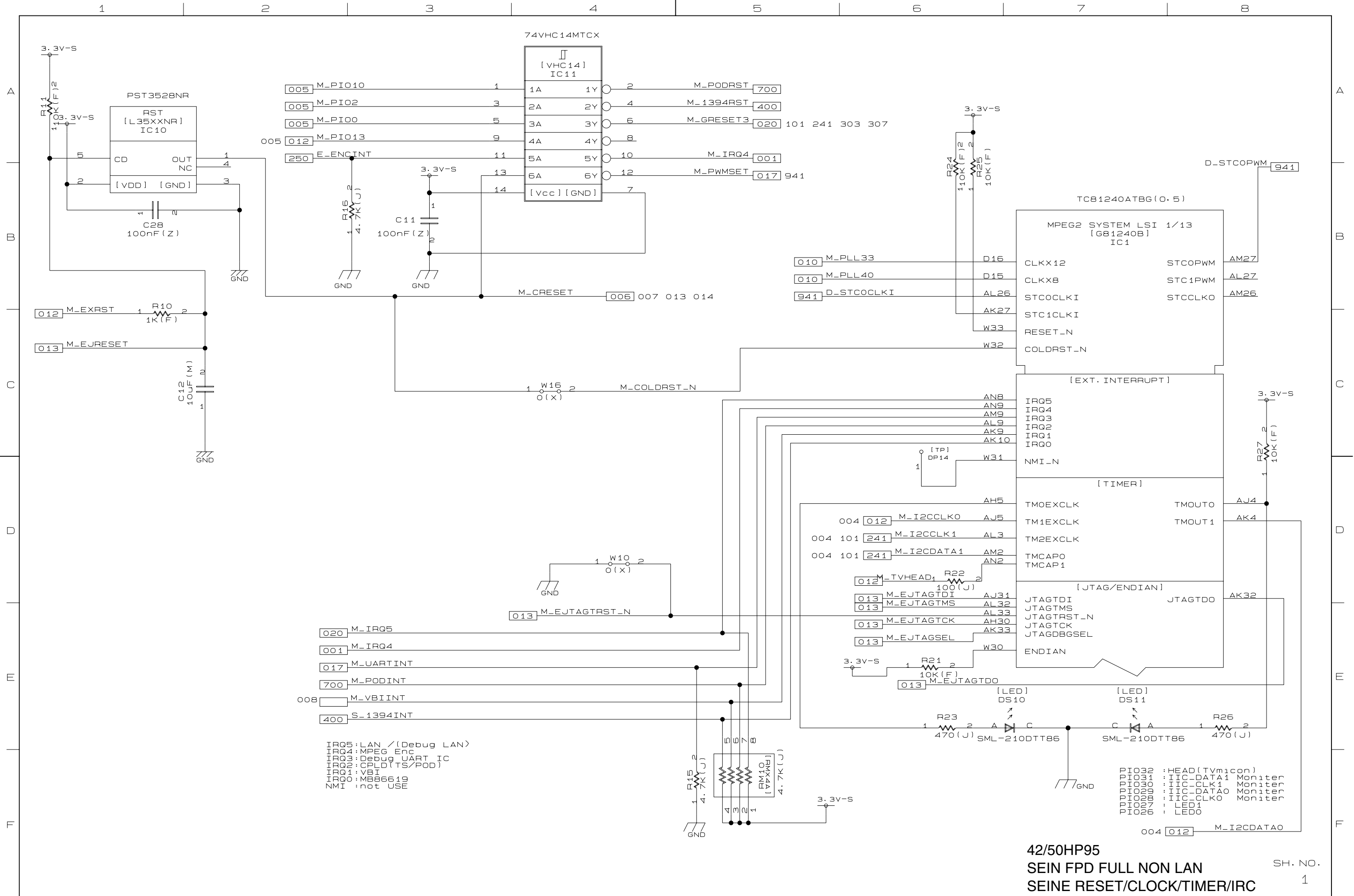
42/50HP95
 SIGNAL
 Power Connector and Dimming

SH. NO.
 902



42/50HP95
 SIGNAL
 LVDS Power and Others

SH. NO.
 903



IRQ5:LAN / (Debug LAN)
 IRQ4:MPEG Enc
 IRQ3:Debug UART IC
 IRQ2:CPLD(TS/POD)
 IRQ1:VBI
 IRQ0:MB886619
 NMI :not USE

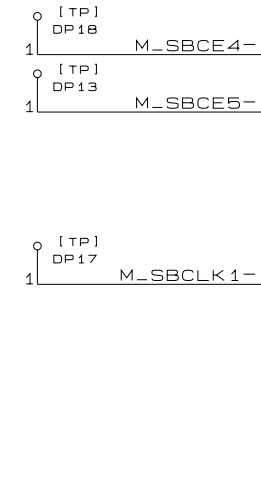
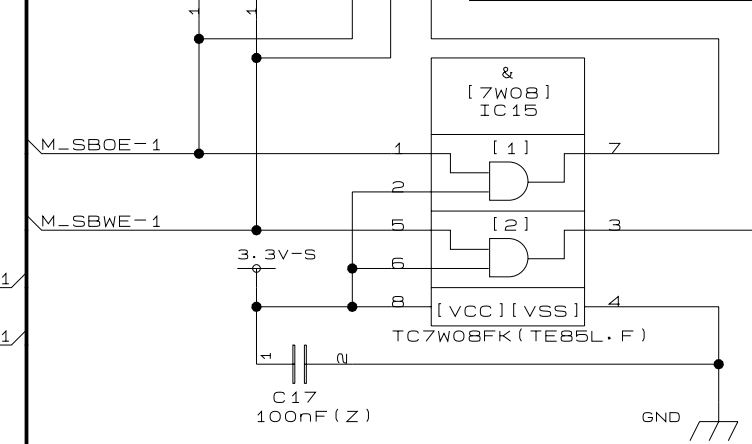
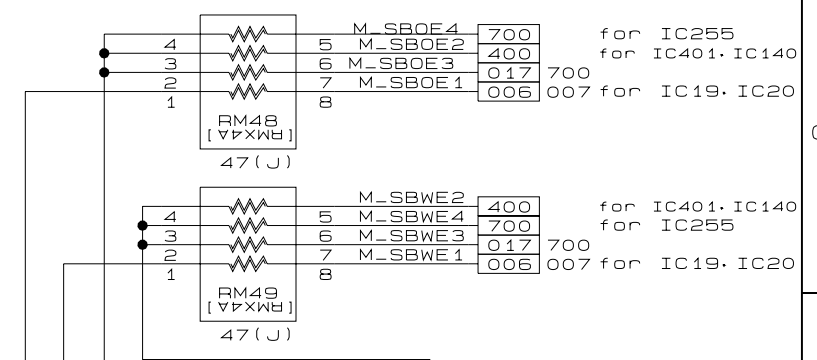
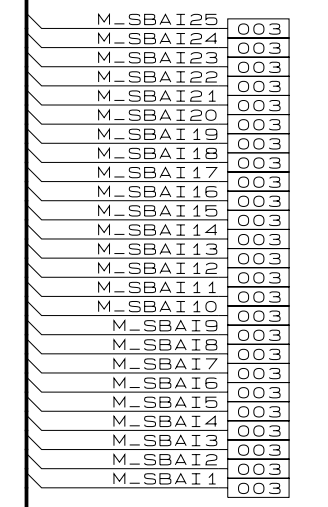
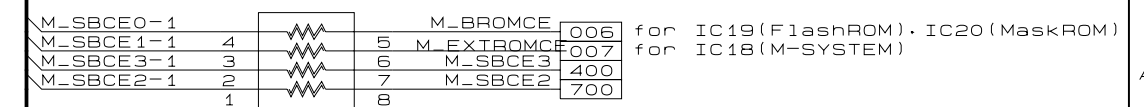
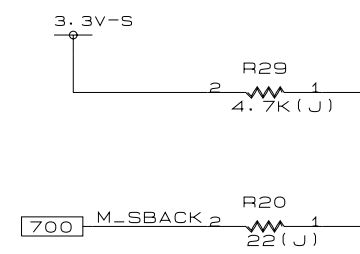
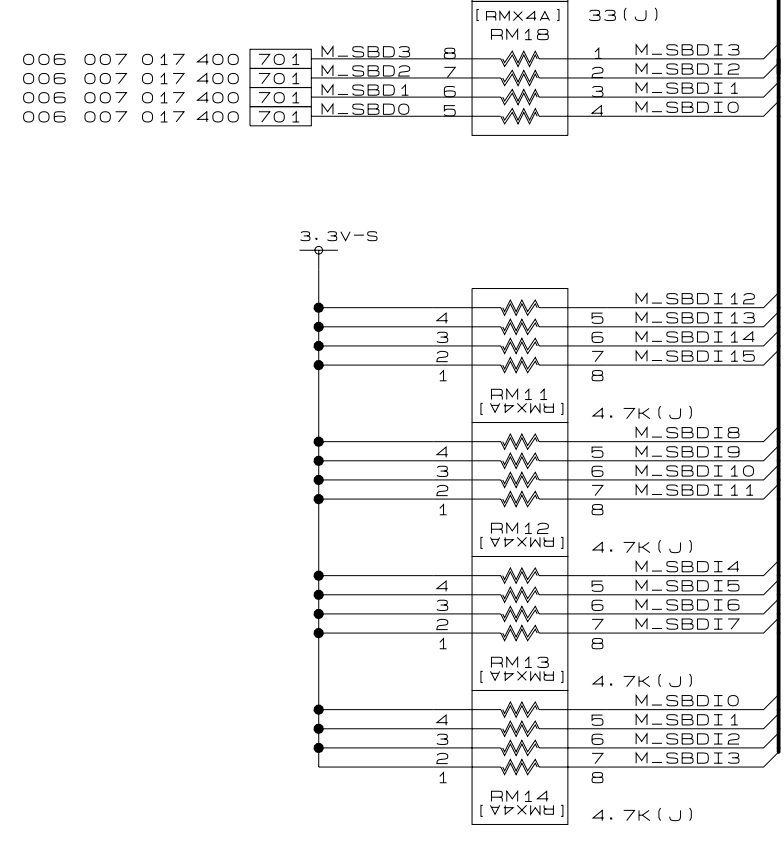
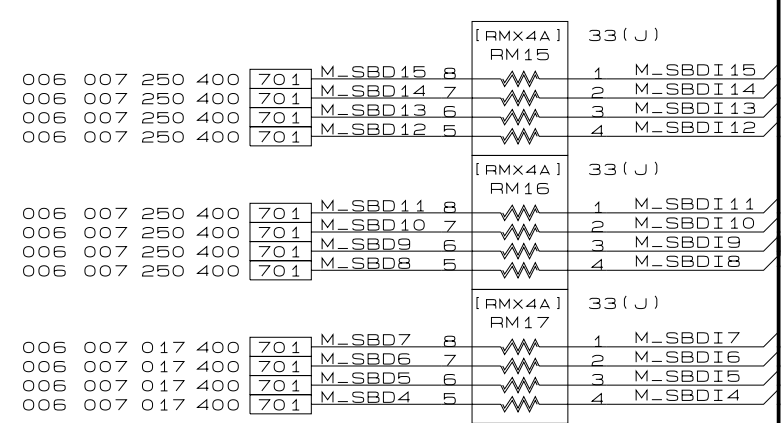
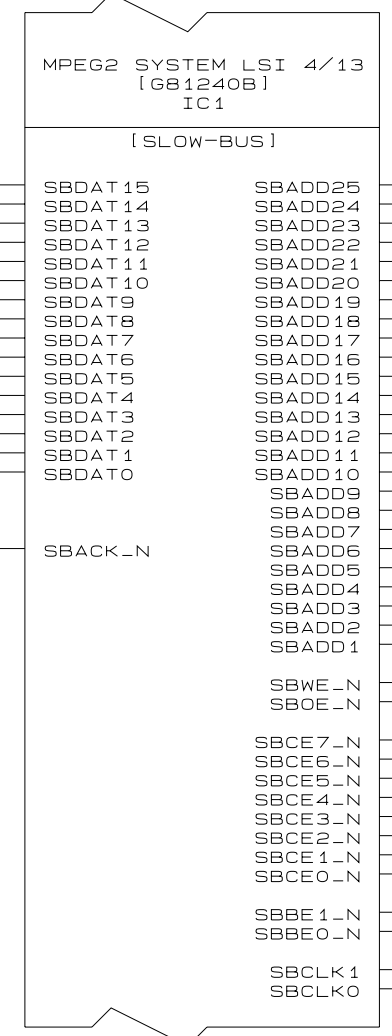
PIO32 : HEAD(TVMicon)
 PIO31 : IIC-DATA1 Monitor
 PIO30 : IIC-CLK1 Monitor
 PIO29 : IIC-DATA0 Monitor
 PIO28 : IIC-CLK0 Monitor
 PIO27 : LED1
 PIO26 : LED0

42/50HP95
SEIN FPD FULL NON LAN
SEINE RESET/CLOCK/TIMER/IRC
 SH. NO. 1

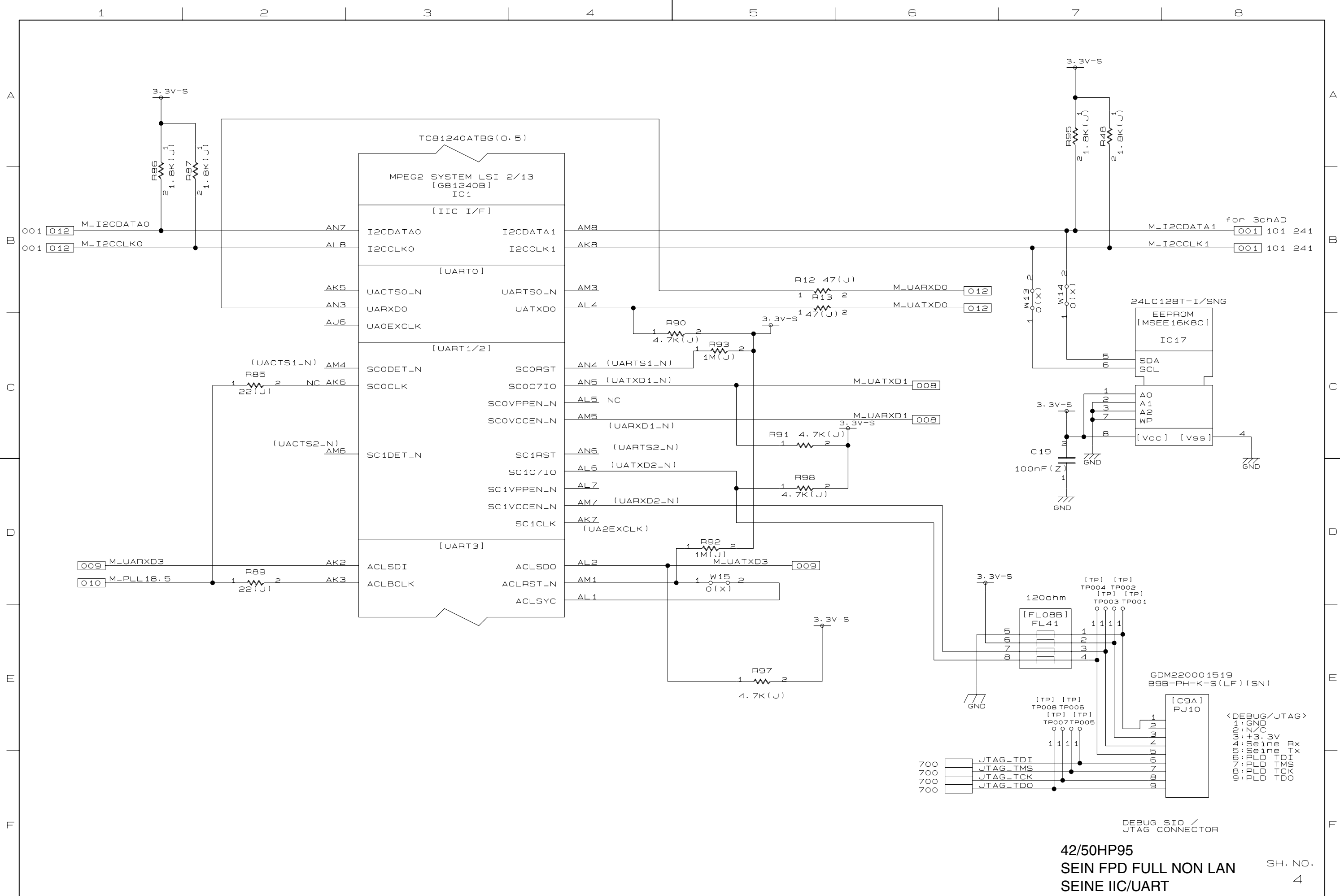
A
B
C
D
E
F

A
B
C
D
E
F

TC81240ATBG (0.5)



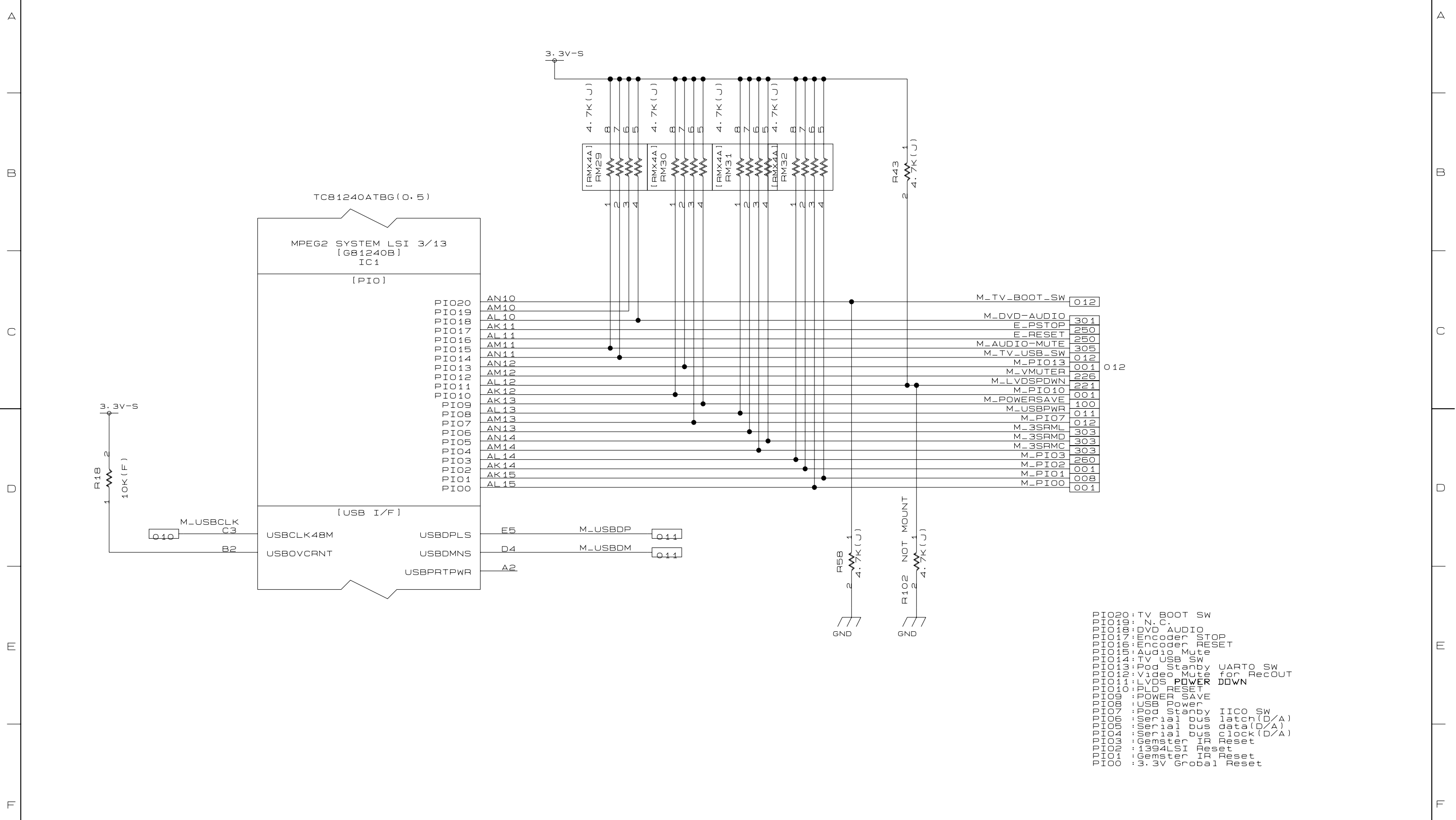
CC0: Boot FLASH
CC1: M-SYSTEM
CC2: UPD61051GD
CC3: MB86619
CC4: N/A
CC5: N/A
CC6: POD PLD
CC7: UART



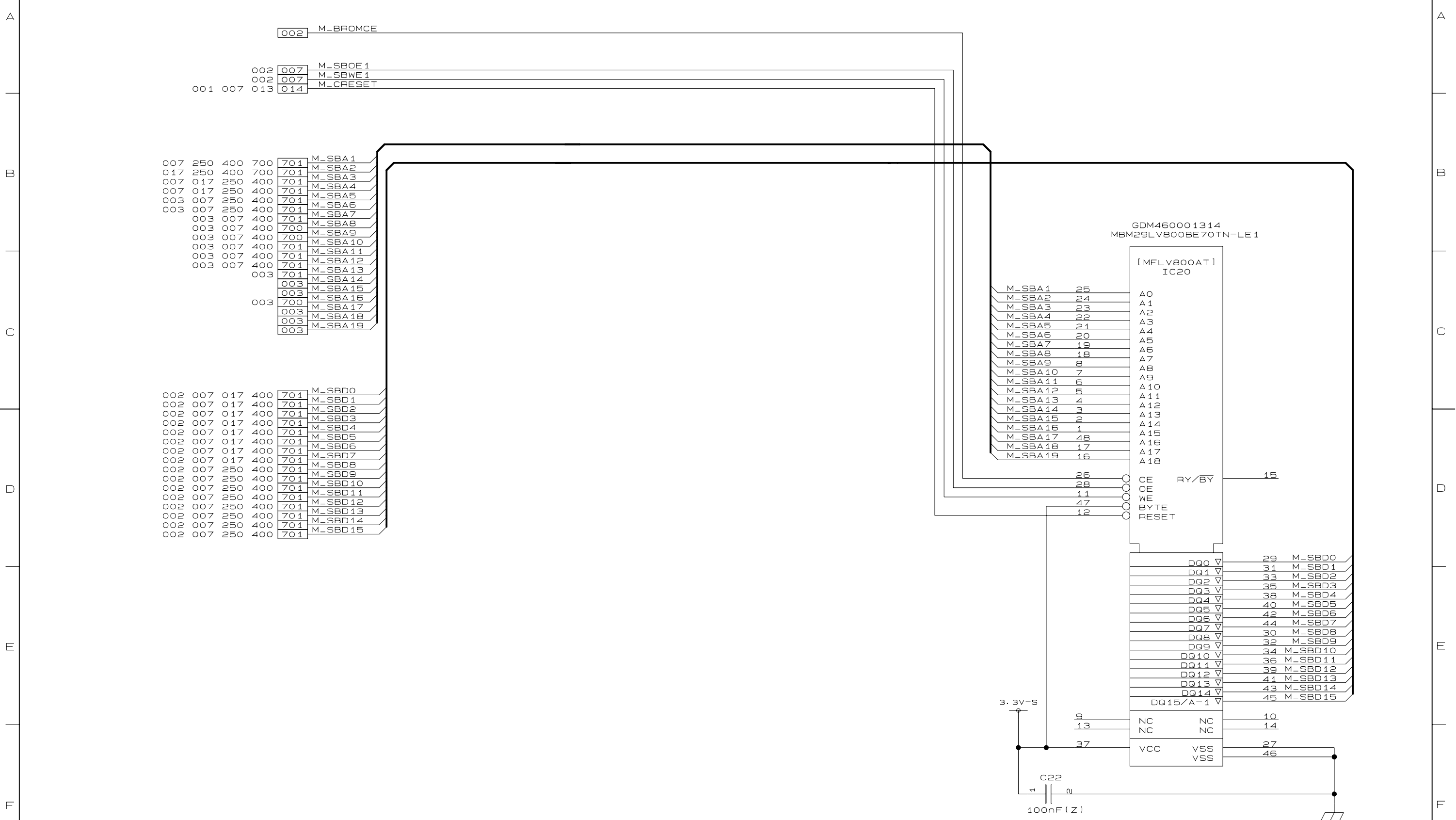
42/50HP95
SEIN FPD FULL NON LAN
SEINE IIC/UART

<DEBUG/JTAG>
 1: GND
 2: N/C
 3: +3.3V
 4: Seine Rx
 5: Seine Tx
 6: PLD TDI
 7: PLD TMS
 8: PLD TCK
 9: PLD TDO

SH. NO.
 4



- PIO20: TV BOOT SW
- PIO19: N.C.
- PIO18: DVD AUDIO
- PIO17: Encoder STOP
- PIO16: Encoder RESET
- PIO15: Audio Mute
- PIO14: TV USB SW
- PIO13: Pod Standby UART0 SW
- PIO12: Video Mute for RecOUT
- PIO11: LVDS POWER DOWN
- PIO10: PLD RESET
- PIO9 : POWER SAVE
- PIO8 : USB Power
- PIO7 : Pod Standby IICO SW
- PIO6 : Pod Standby latch(D/A)
- PIO5 : Serial bus data(D/A)
- PIO4 : Serial bus clock(D/A)
- PIO3 : Gemster IR Reset
- PIO2 : 1394LSI Reset
- PIO1 : Gemster IR Reset
- PIO0 : 3.3V Global Reset

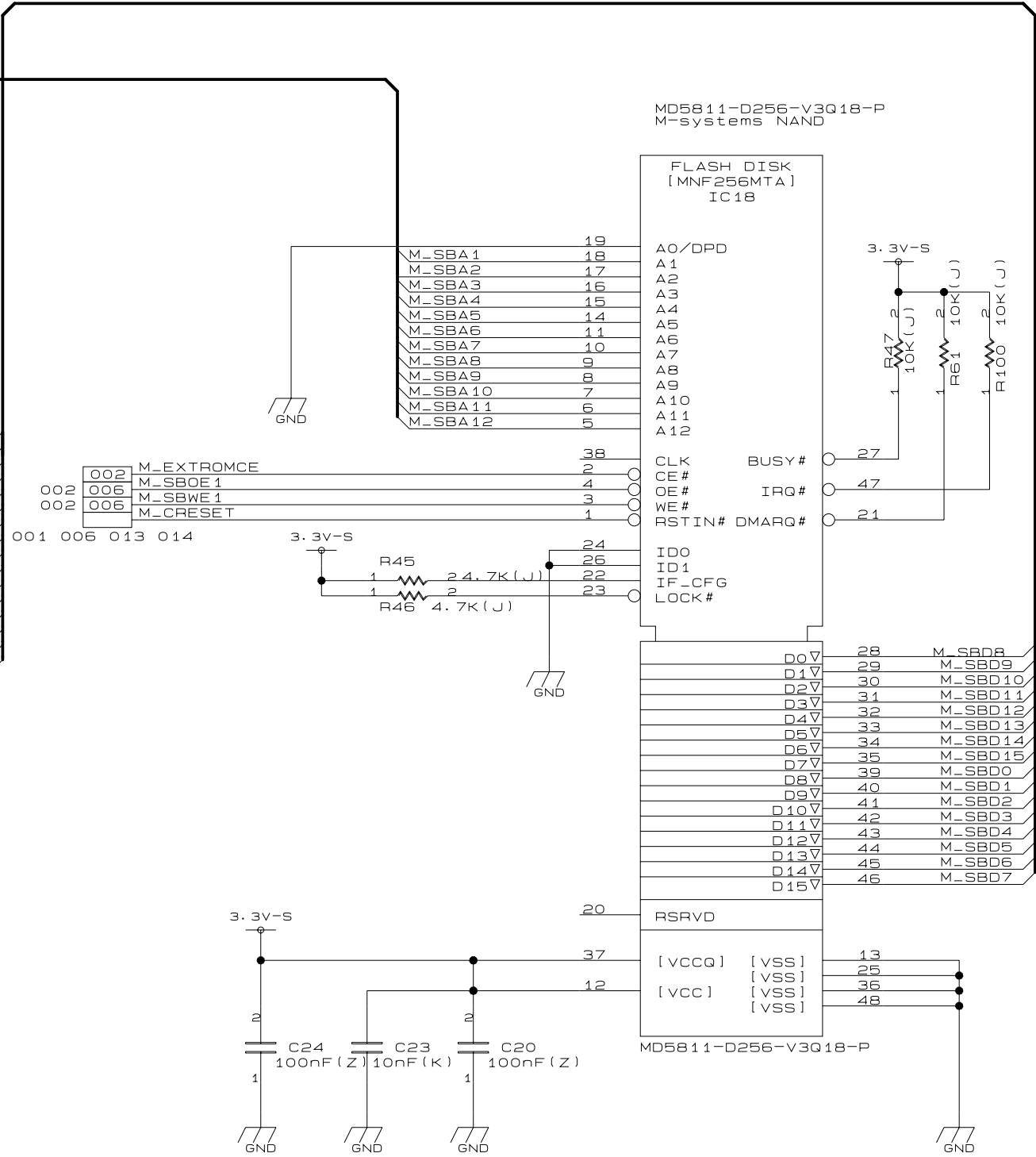


42/50HP95
 SEIN FPD FULL NON LAN
 ROM/FLASH

SH. NO.
 6

003	003	006	250	400	700	701	M_SBA1
	006	017	250	400	700	701	M_SBA2
	003	006	017	250	400	701	M_SBA3
	003	006	017	250	400	701	M_SBA4
		003	006	250	400	701	M_SBA5
		003	006	250	400	701	M_SBA6
		003	006	250	400	701	M_SBA7
		003	006	400	700	701	M_SBA8
		003	006	400	700	701	M_SBA9
		003	006	400	701	701	M_SBA10
		003	006	400	701	701	M_SBA11
		003	006	400	701	701	M_SBA12

002	006	017	400	701	M_SBD0
002	006	017	400	701	M_SBD1
002	006	017	400	701	M_SBD2
002	006	017	400	701	M_SBD3
002	006	017	400	701	M_SBD4
002	006	017	400	701	M_SBD5
002	006	017	400	701	M_SBD6
002	006	017	400	701	M_SBD7
002	006	017	400	701	M_SBD8
002	006	250	400	701	M_SBD9
002	006	250	400	701	M_SBD10
002	006	250	400	701	M_SBD11
002	006	250	400	701	M_SBD12
002	006	250	400	701	M_SBD13
002	006	250	400	701	M_SBD14
002	006	250	400	701	M_SBD15



42/50HP95
 SEIN FPD FULL NON LAN
 M-SYSTEM(NANDFLASHROM)

SH. NO.
 7

A

B

C

D

E

F

A

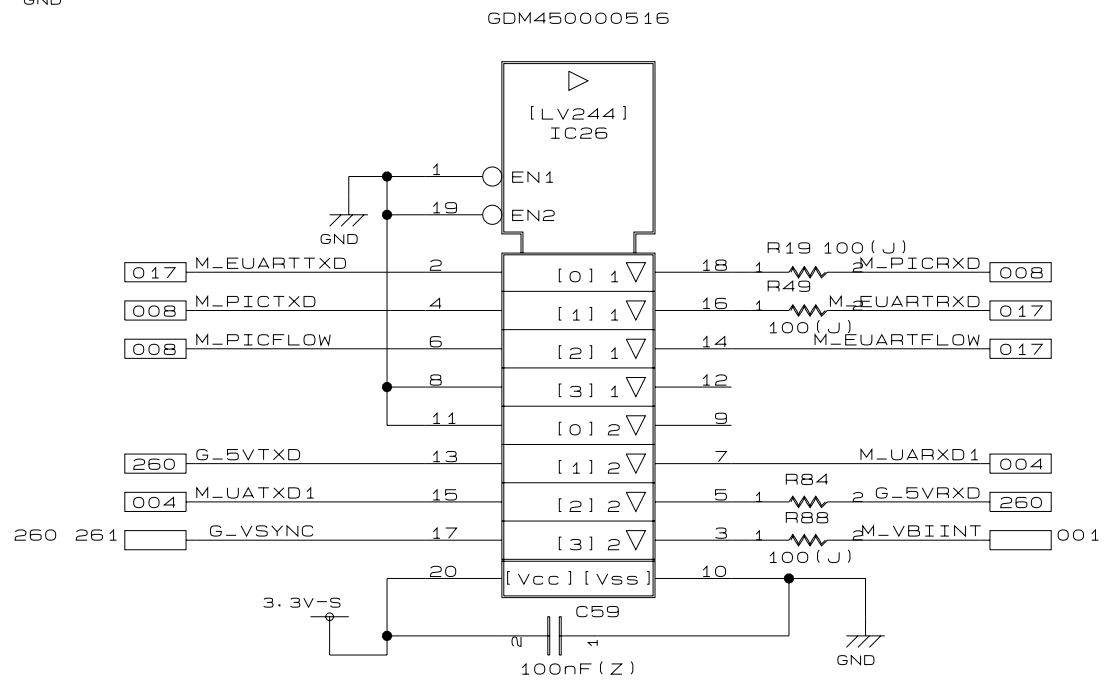
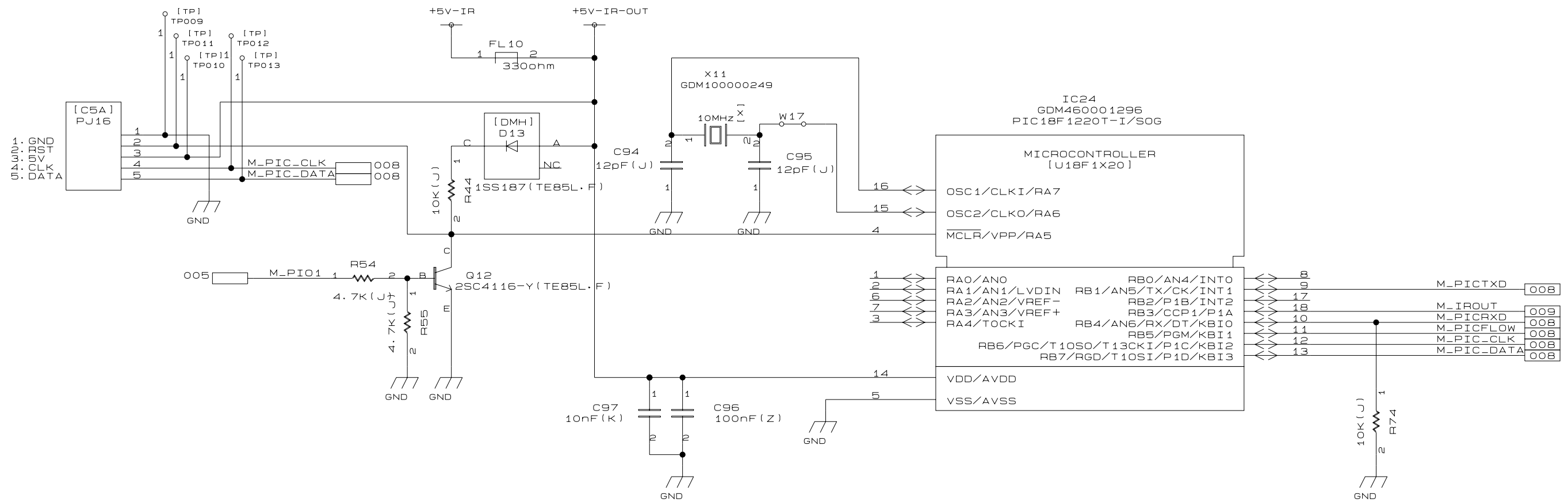
B

C

D

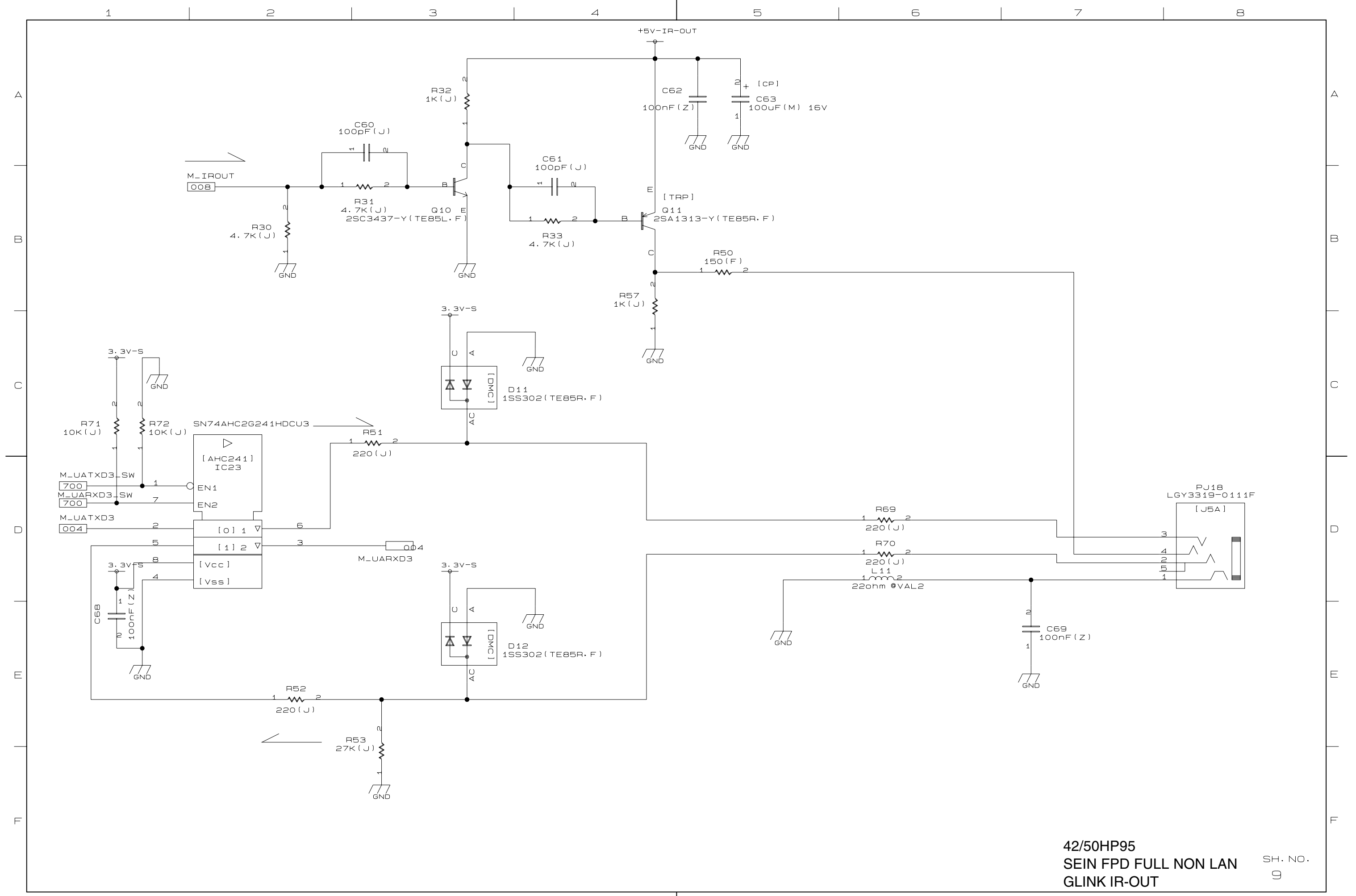
E

F



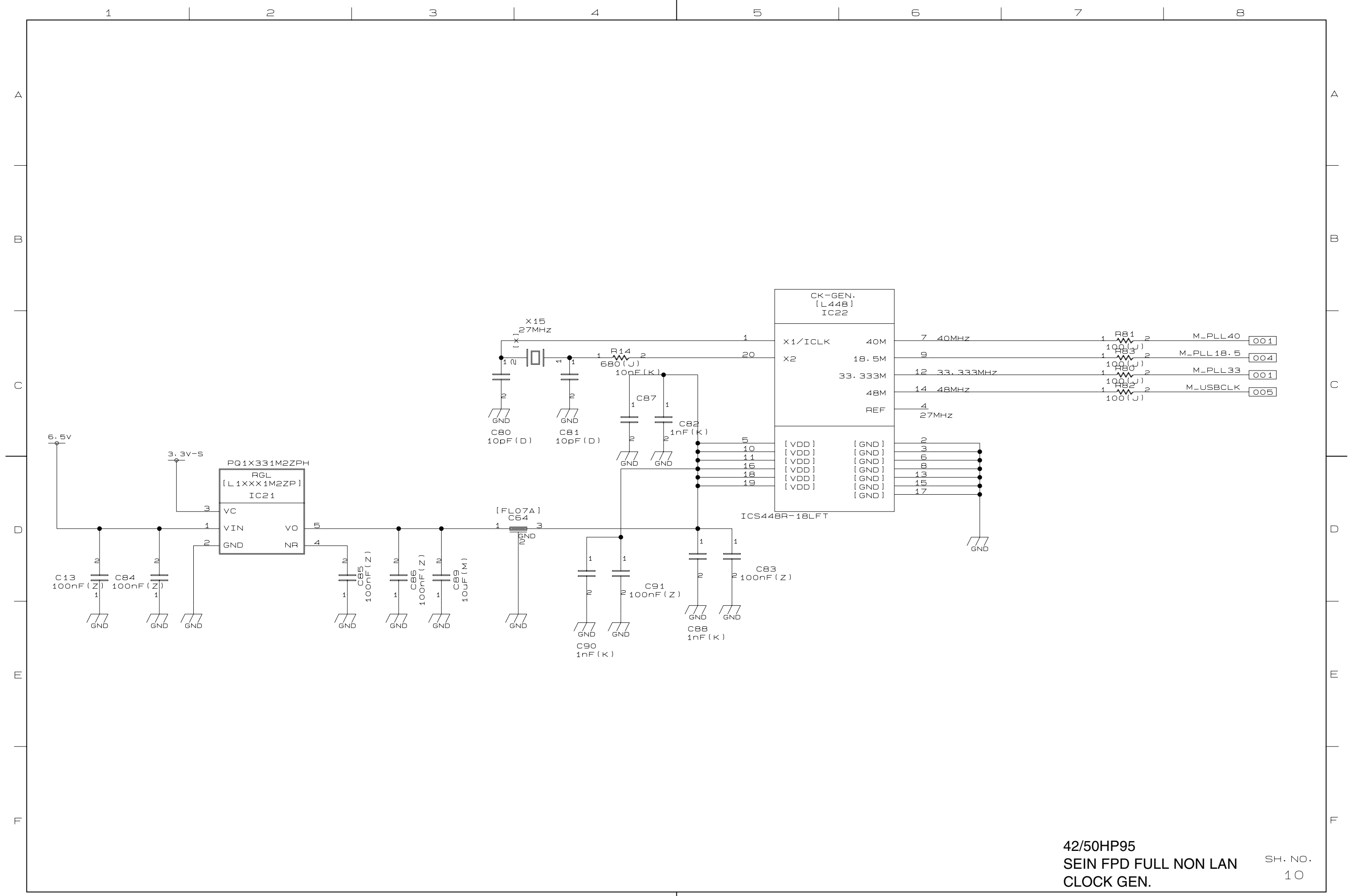
42/50HP95
SEIN FPD FULL NON LAN
IR

SH. NO.
8



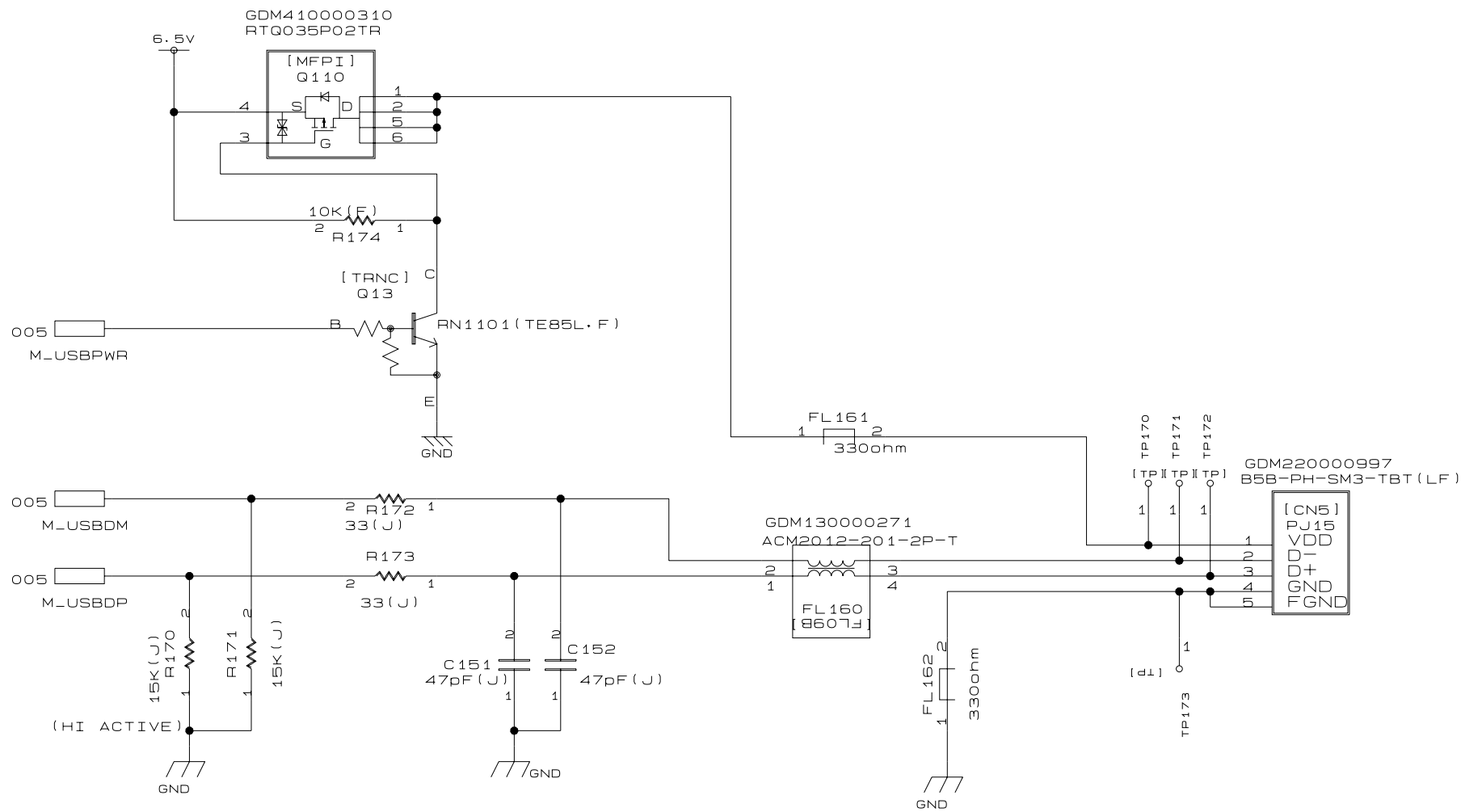
42/50HP95
 SEIN FPD FULL NON LAN
 GLINK IR-OUT

SH. NO.
 9



42/50HP95
 SEIN FPD FULL NON LAN
 CLOCK GEN.

SH. NO.
 10



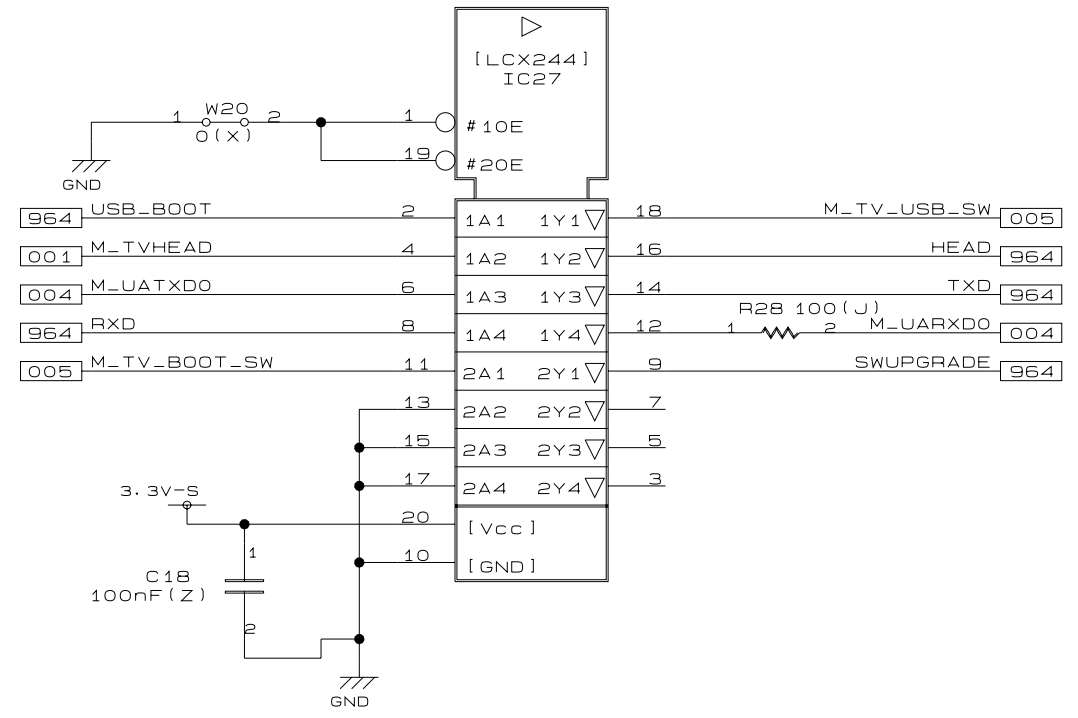
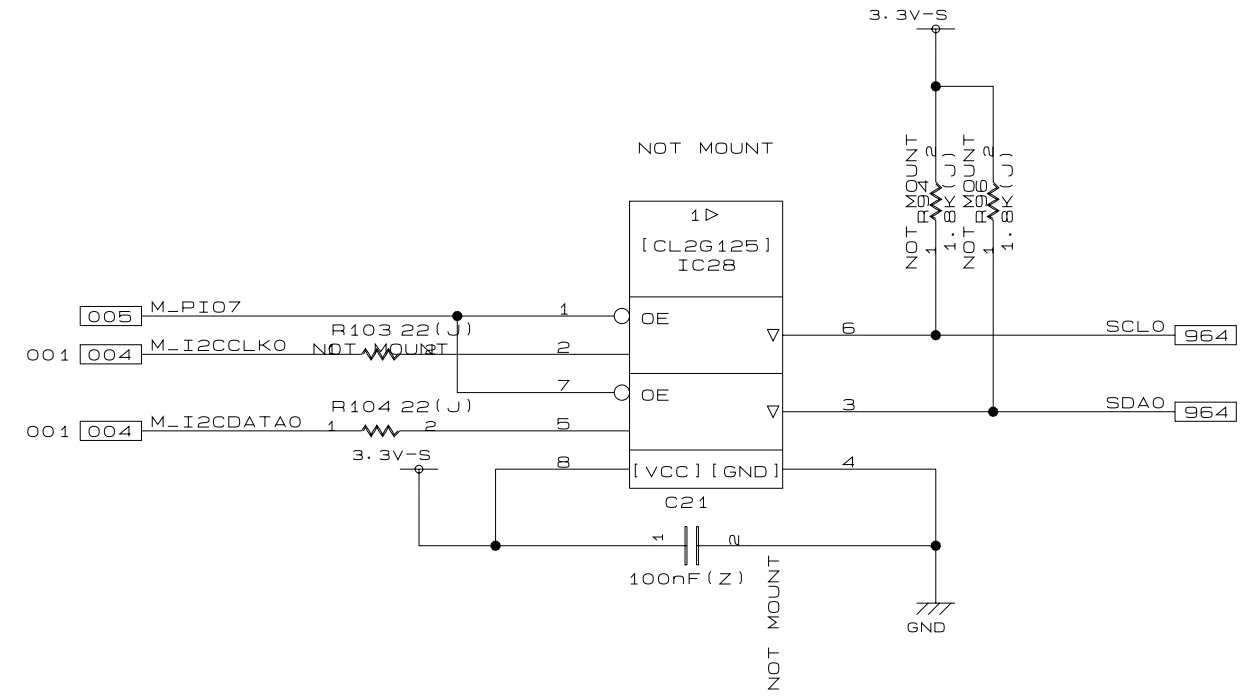
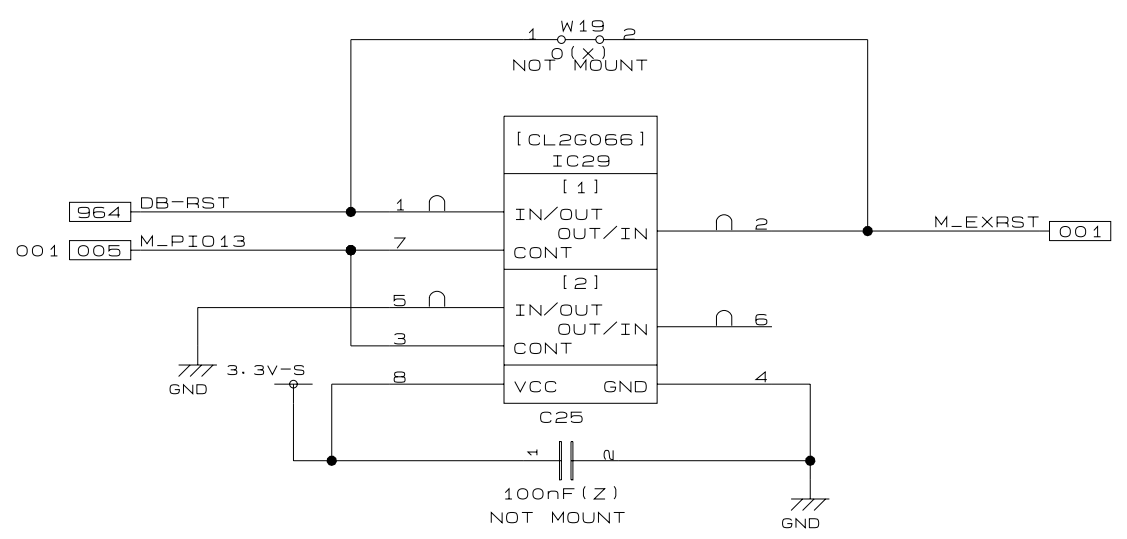
42/50HP95
 SEIN FPD FULL NON LAN
 USB I/F

SH. NO.
 1 1

1 2 3 4 5 6 7 8

A
B
C
D
E
F

A
B
C
D
E
F



42/50HP95
 SEIN FPD FULL NON LAN
 UART0 INTERFACE

SH. NO.
 12

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

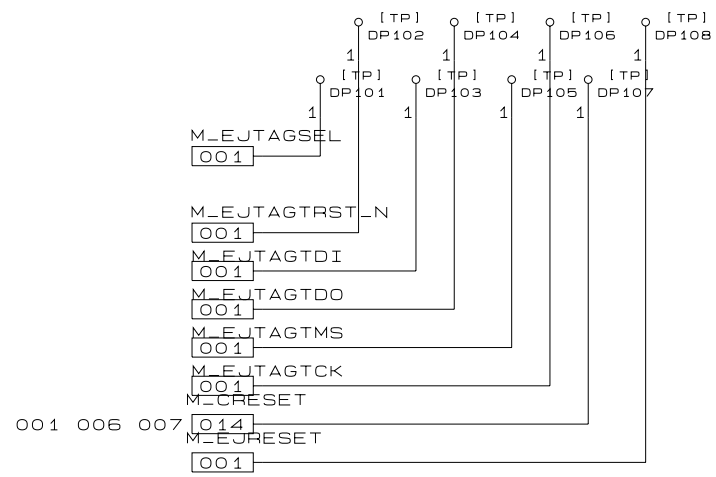
B

C

D

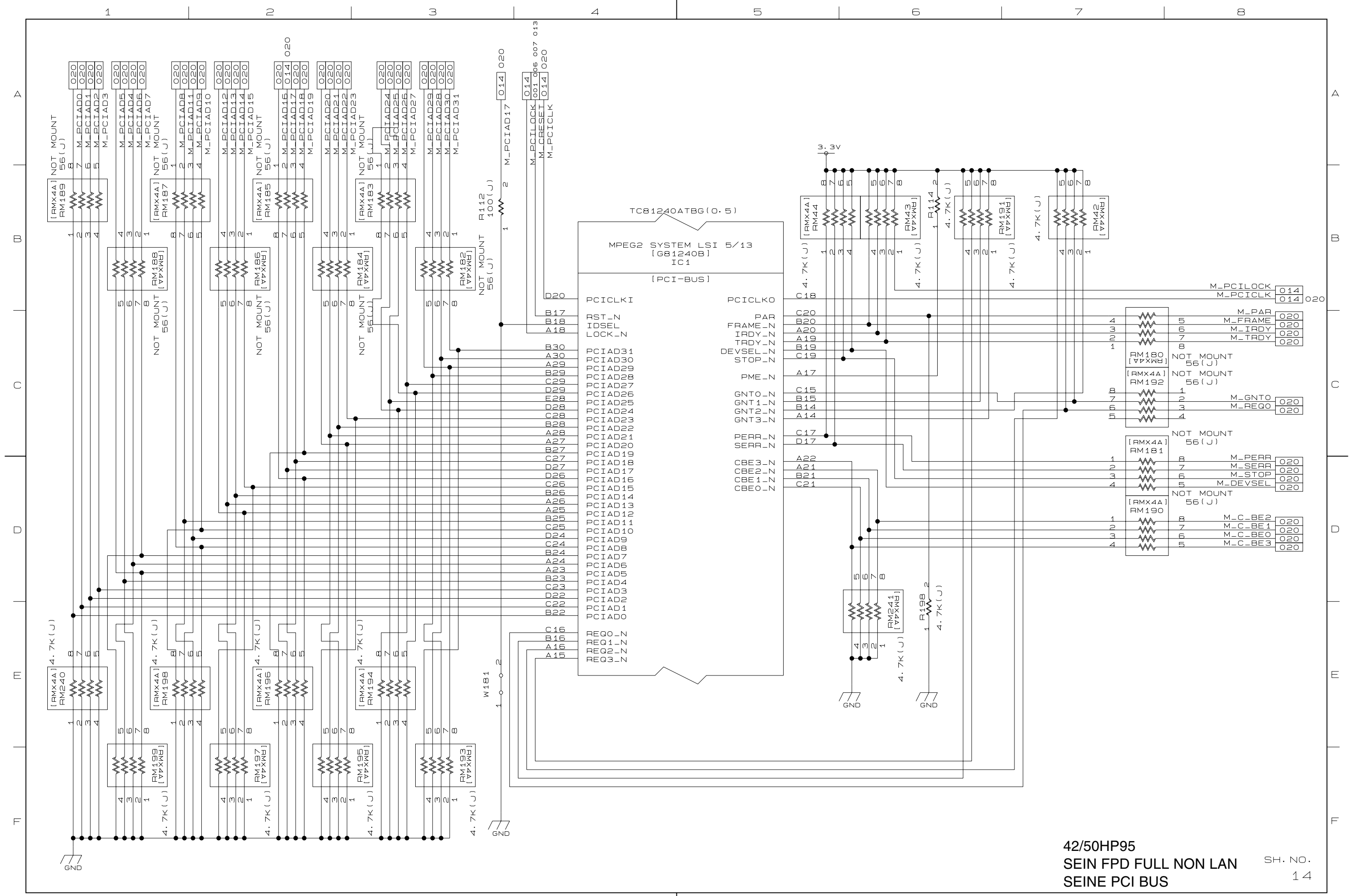
E

F



42/50HP95
 SEIN FPD FULL NON LAN
 EJTAG CONNECTOR

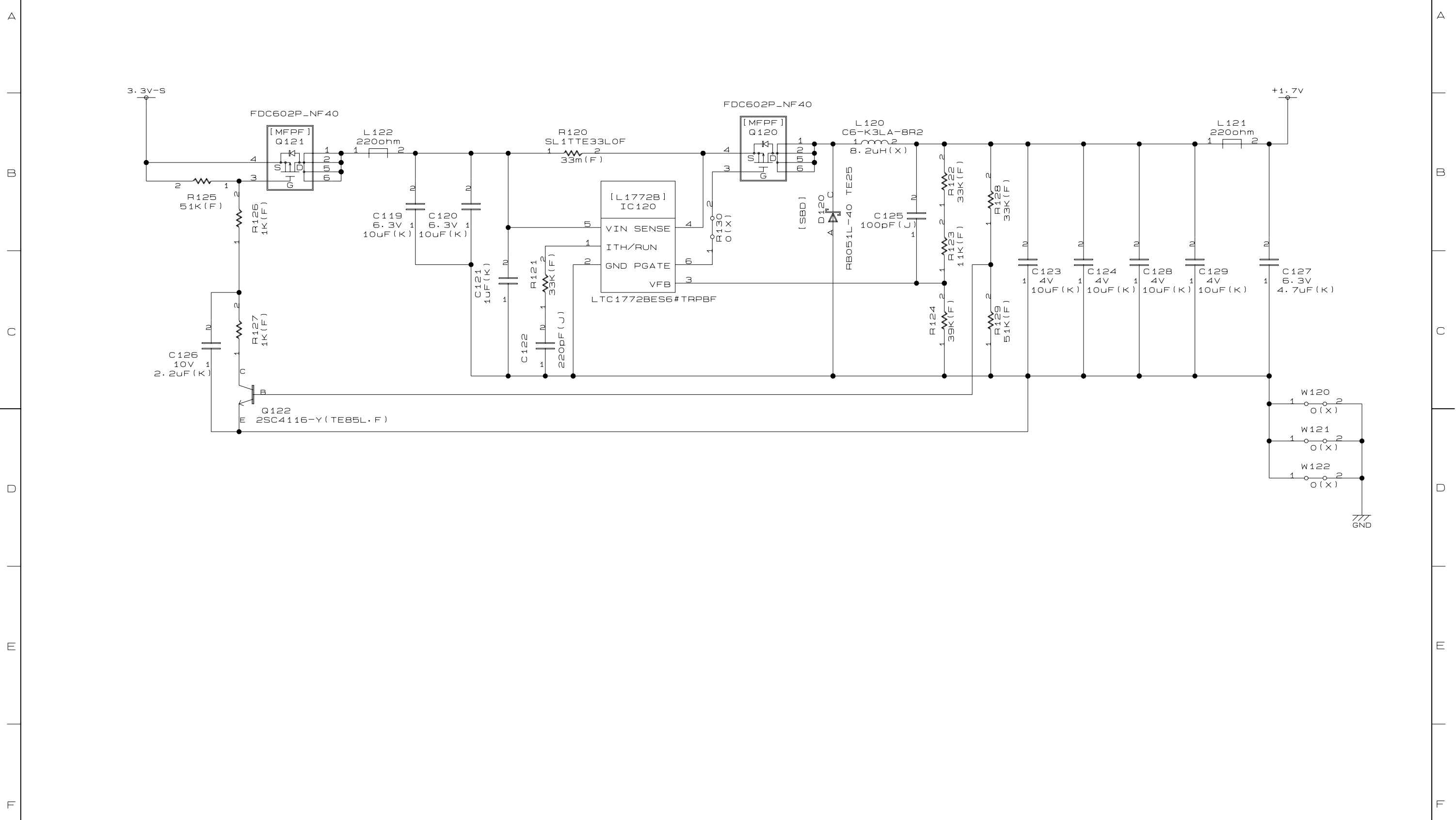
SH. NO.
 13



42/50HP95
 SEIN FPD FULL NON LAN
 SEINE PCI BUS

SH. NO.
 14

1 2 3 4 5 6 7 8

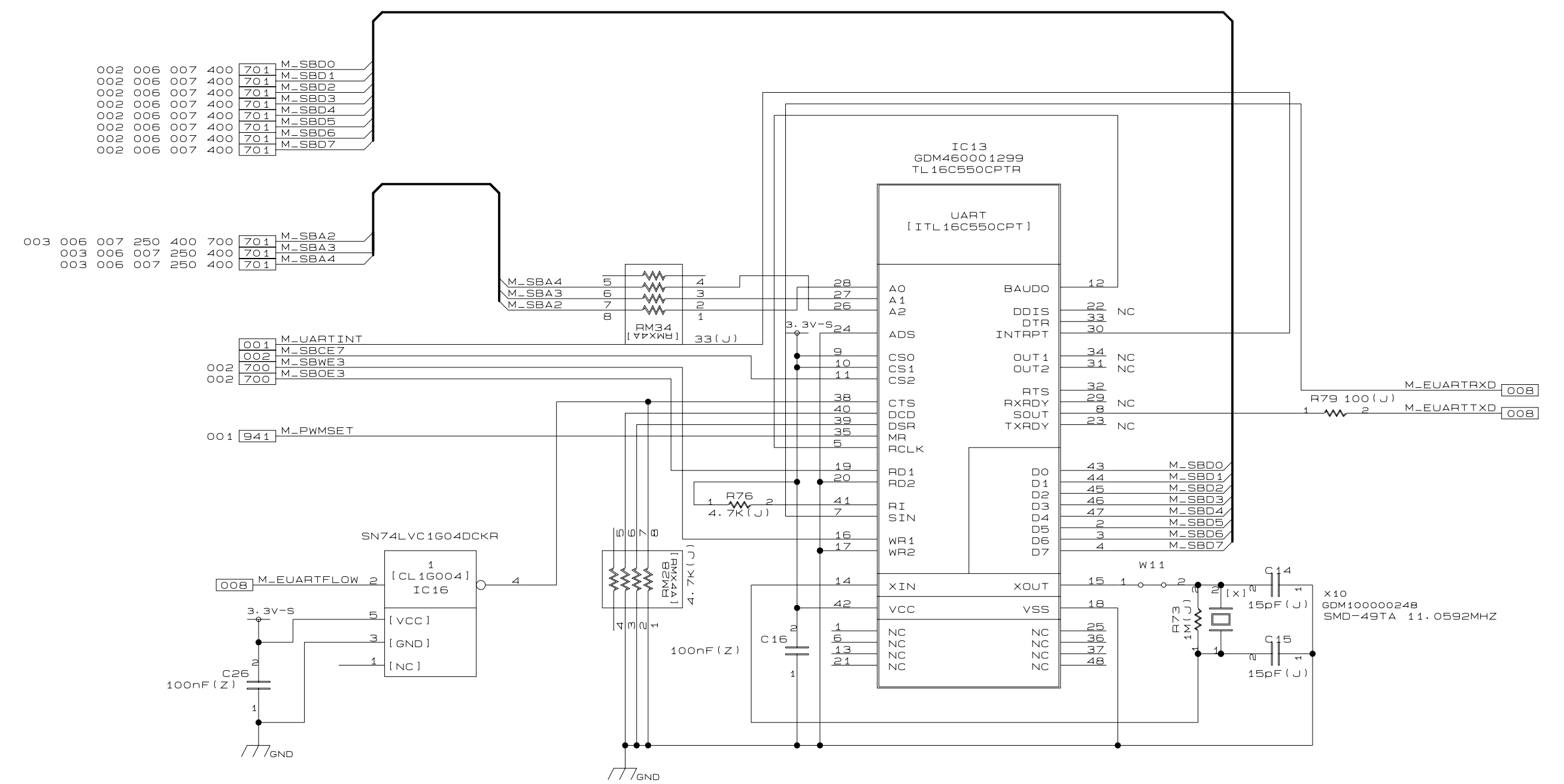


42/50HP95
 SEIN FPD FULL NON LAN
 MPU POWER

SH. NO.
 016

1 2 3 4 5 6 7 8

A
B
C
D
E
F



42/50HP95
SEIN FPD FULL NON LAN
Ext UART
SH. NO.
17

A

B

C

D

E

F

A

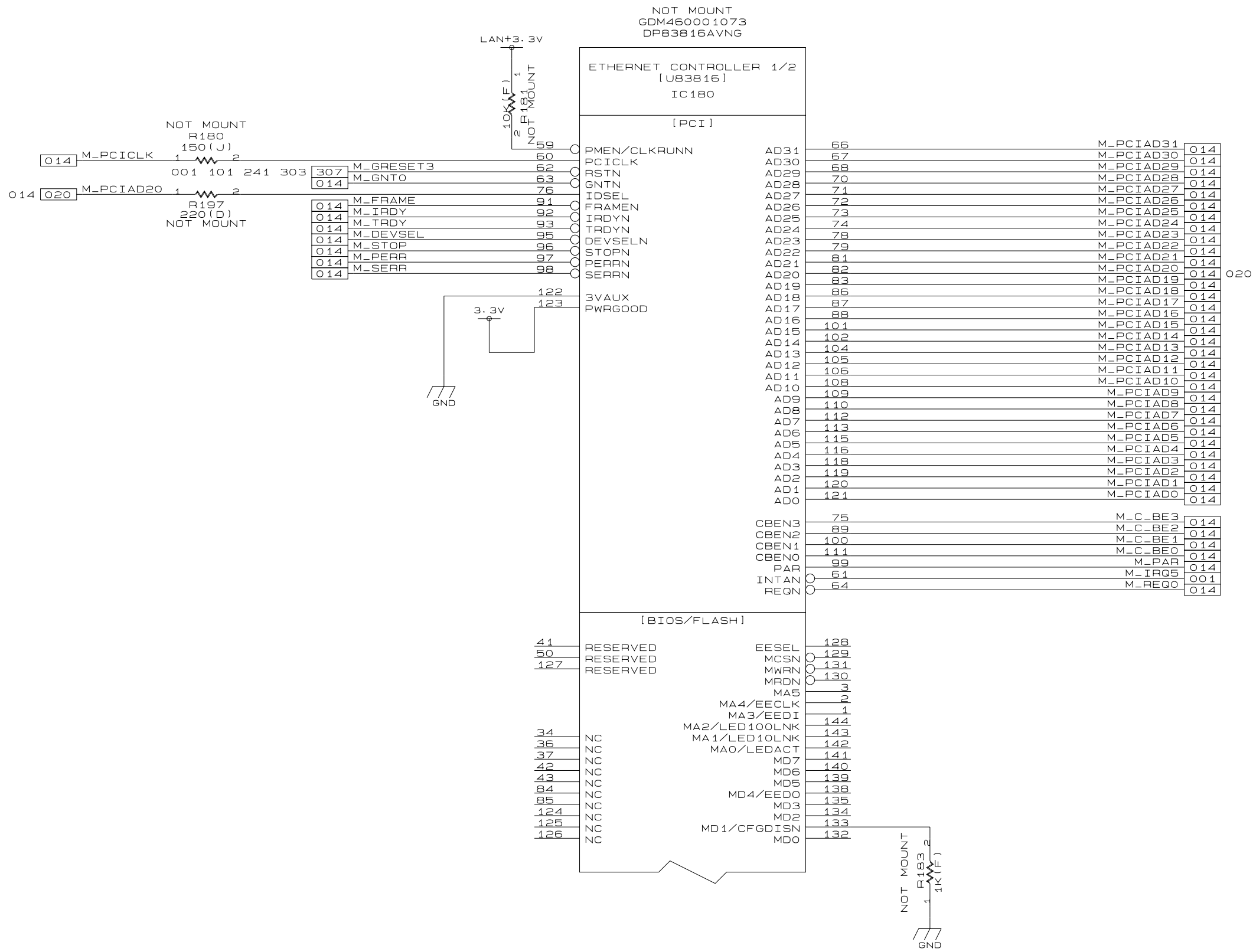
B

C

D

E

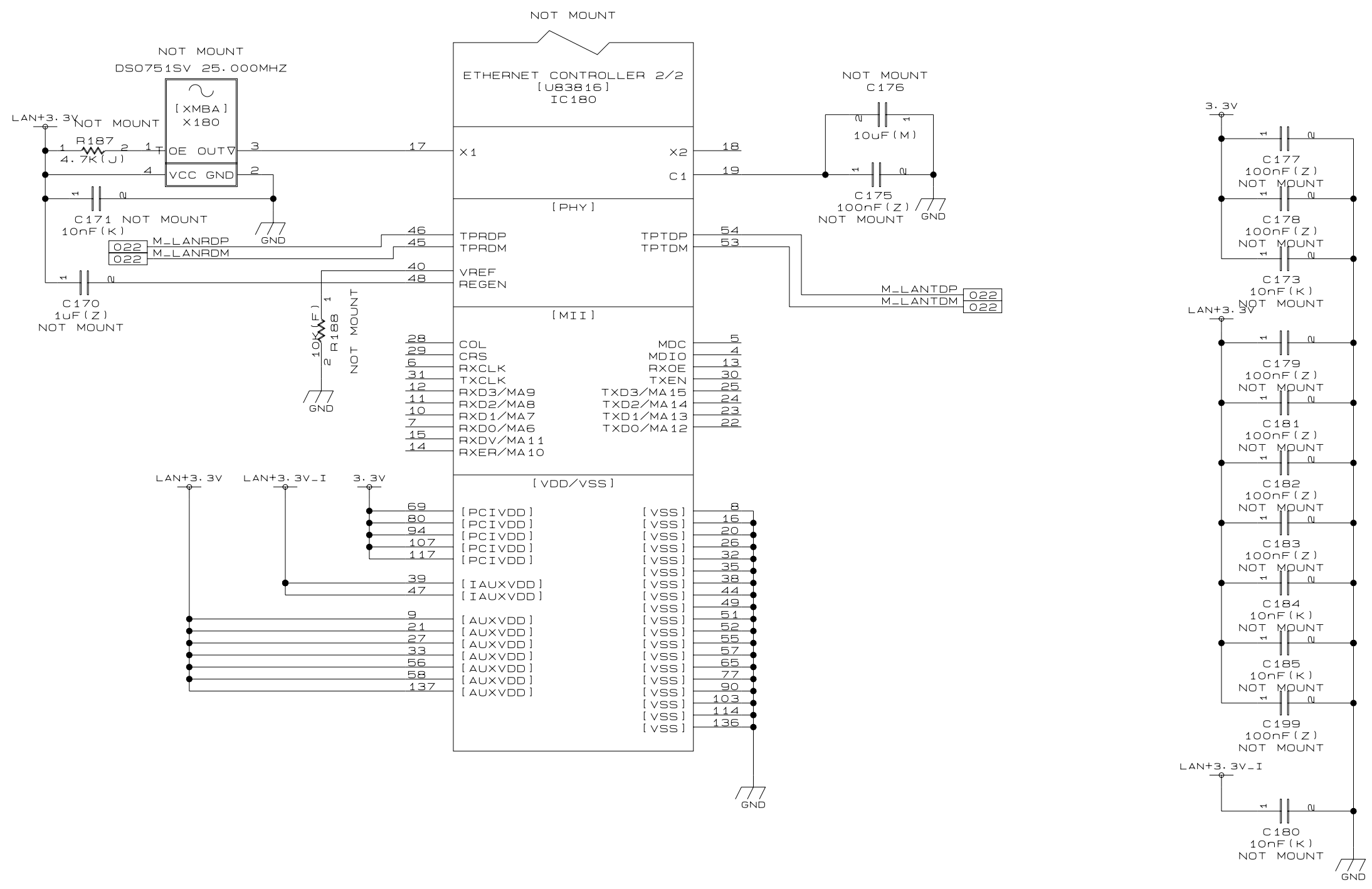
F



42/50HP95
 SEIN FPD FULL NON LAN SH. NO.
 MACPHYTER 1 (1/2) 20

A
B
C
D
E
F

A
B
C
D
E
F



1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

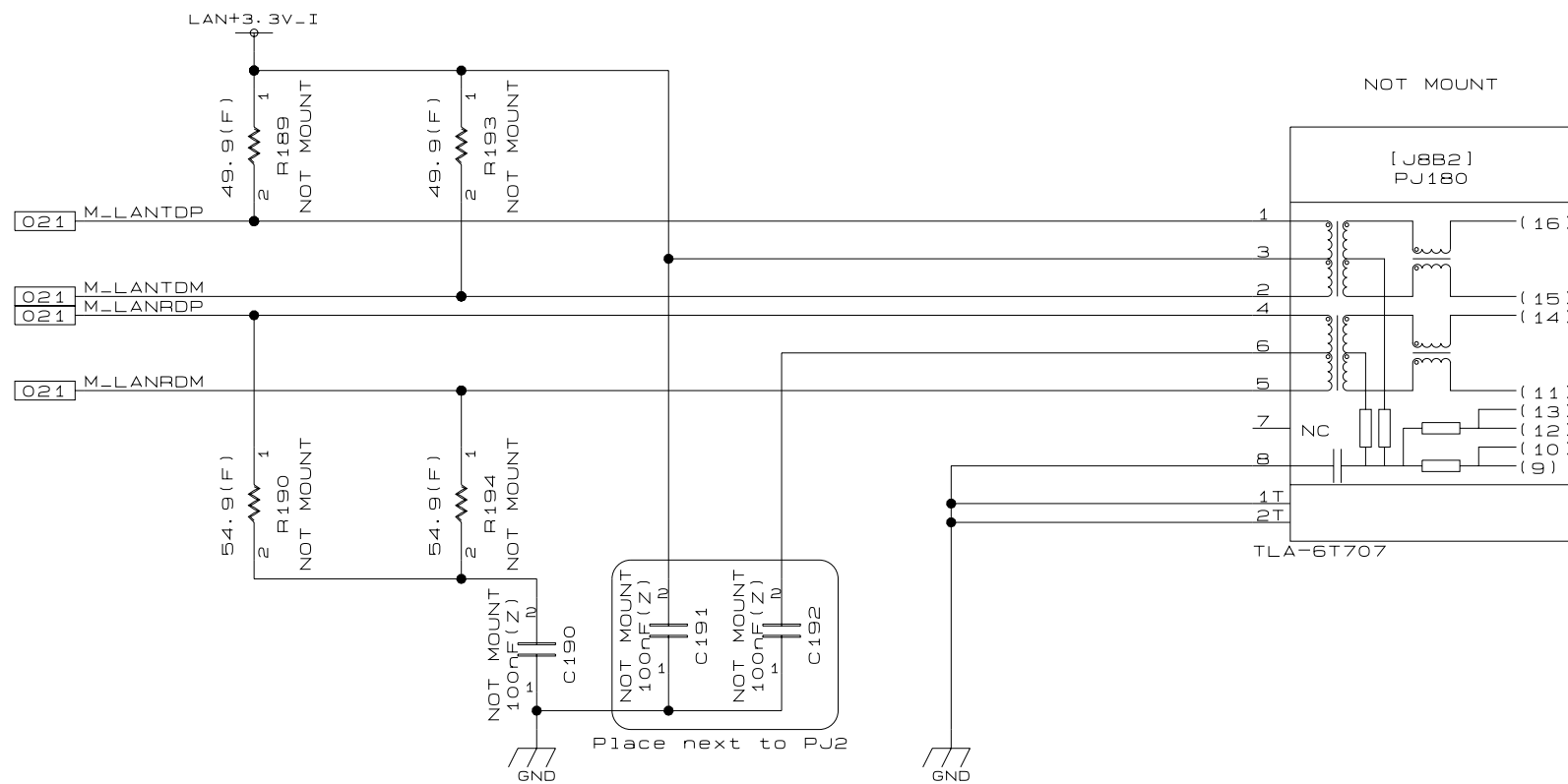
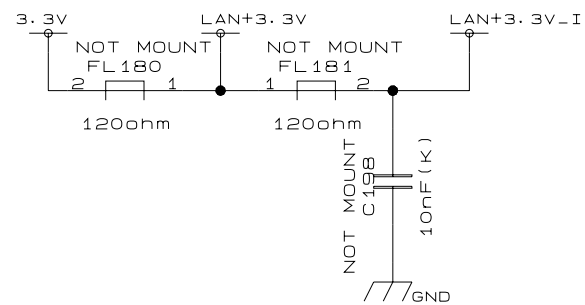
B

C

D

E

F



42/50HP95
SEIN FPD FULL NON LAN SH. NO.
RJ45 22

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

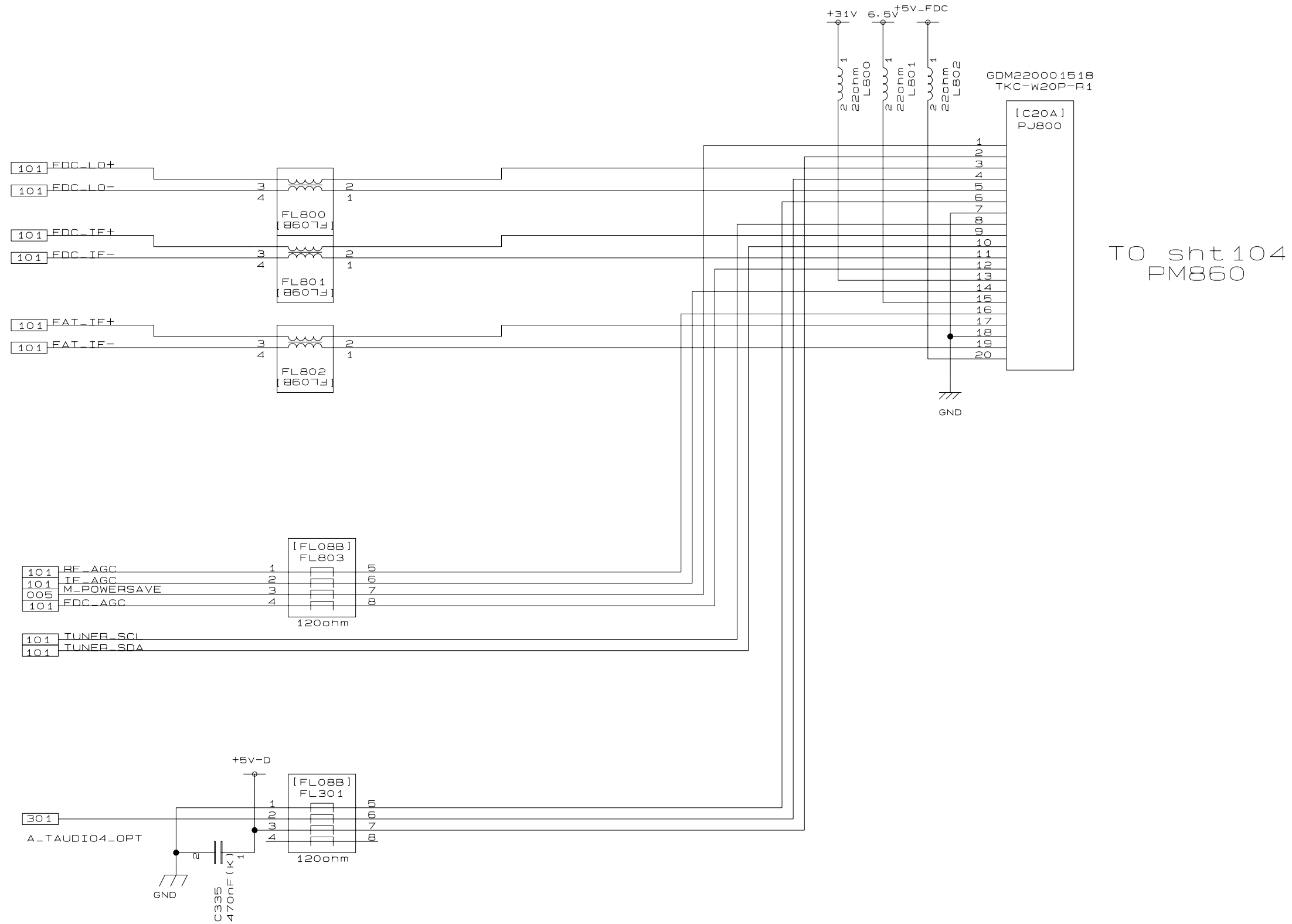
B

C

D

E

F



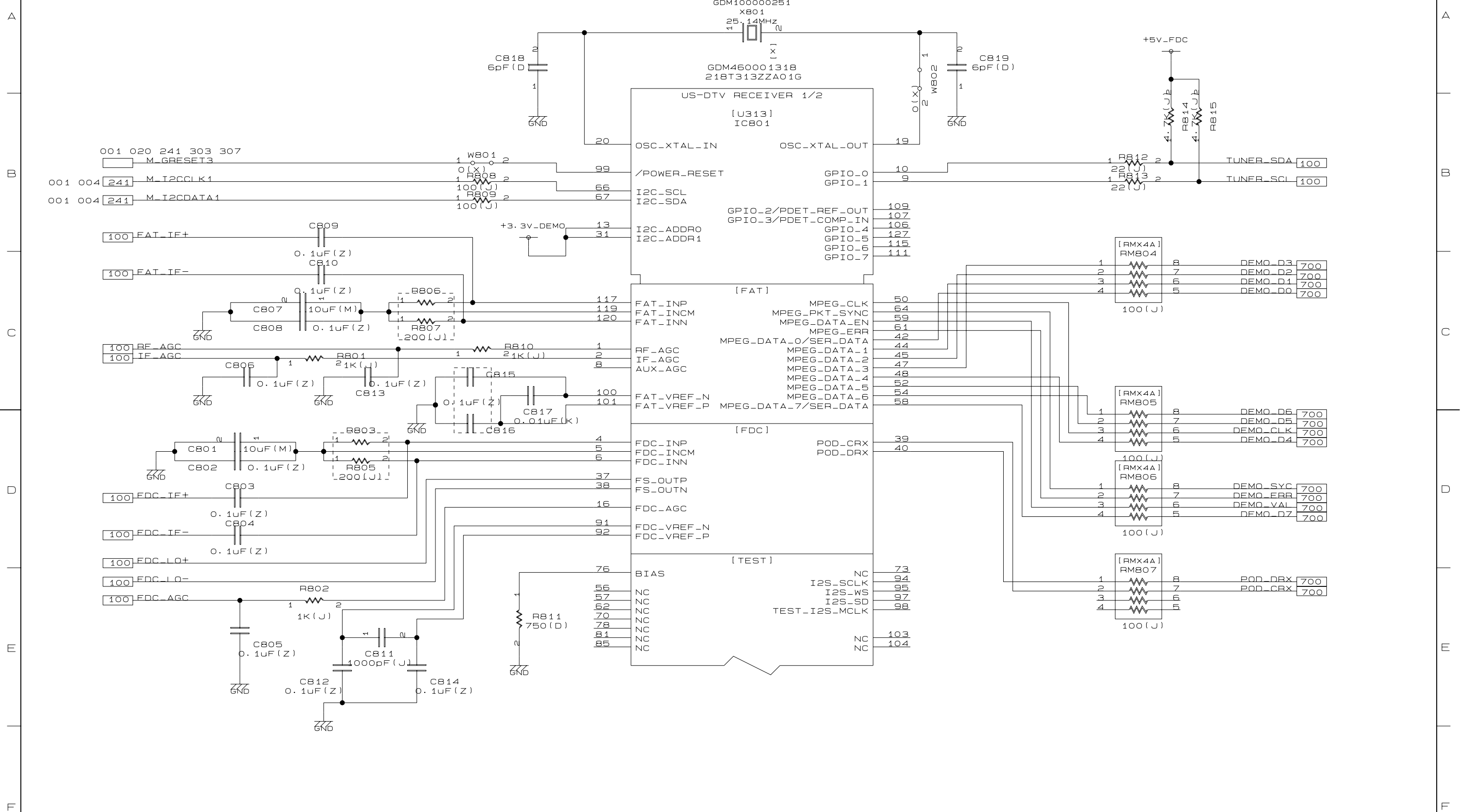
GDM220001518
TKC-W20P-R1

[C20A]
PJ800

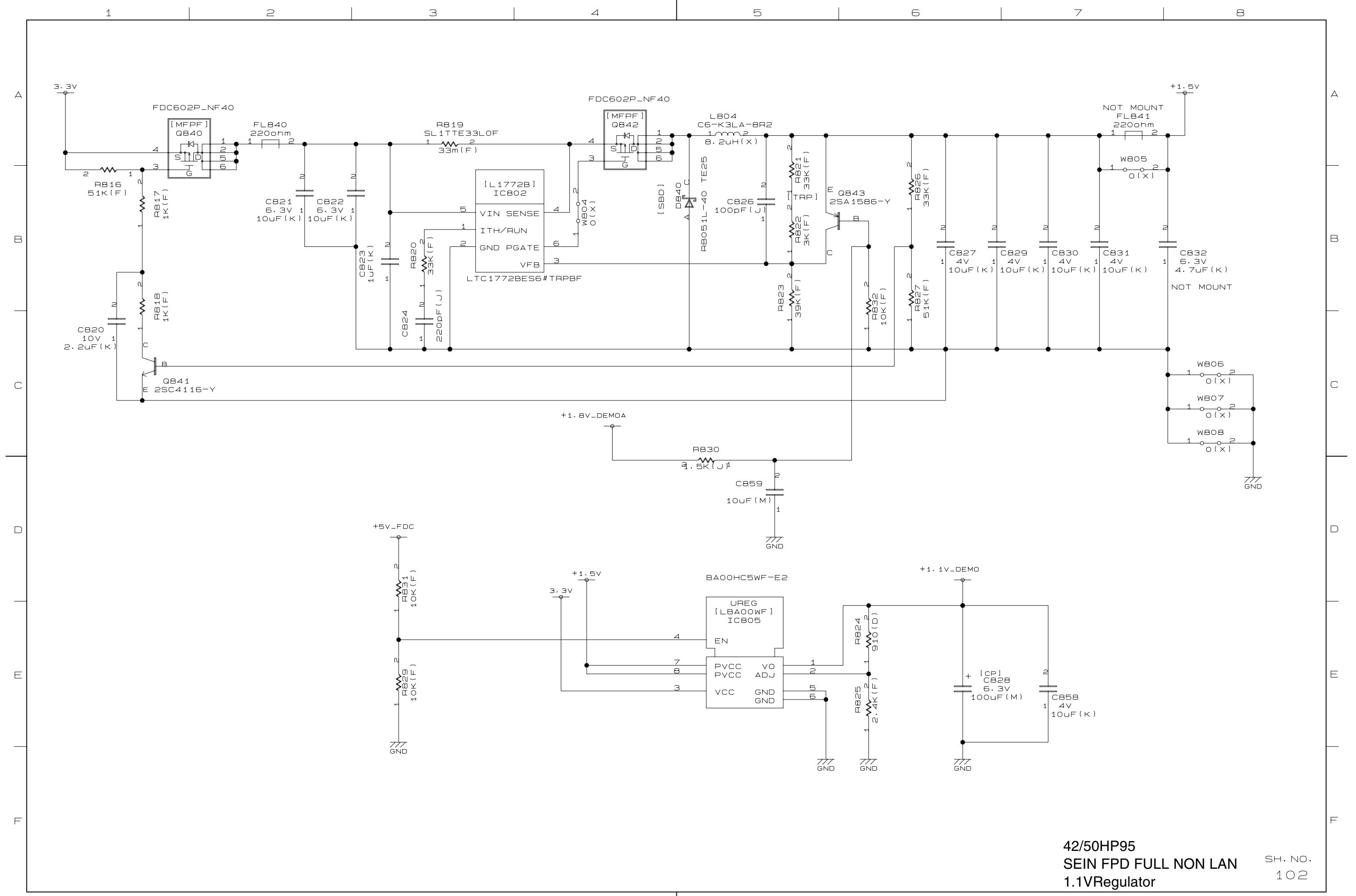
TO sht104
PM860

42/50HP95
SEIN FPD FULL NON LAN
TUENR CONNECTOR

SH. NO.
100

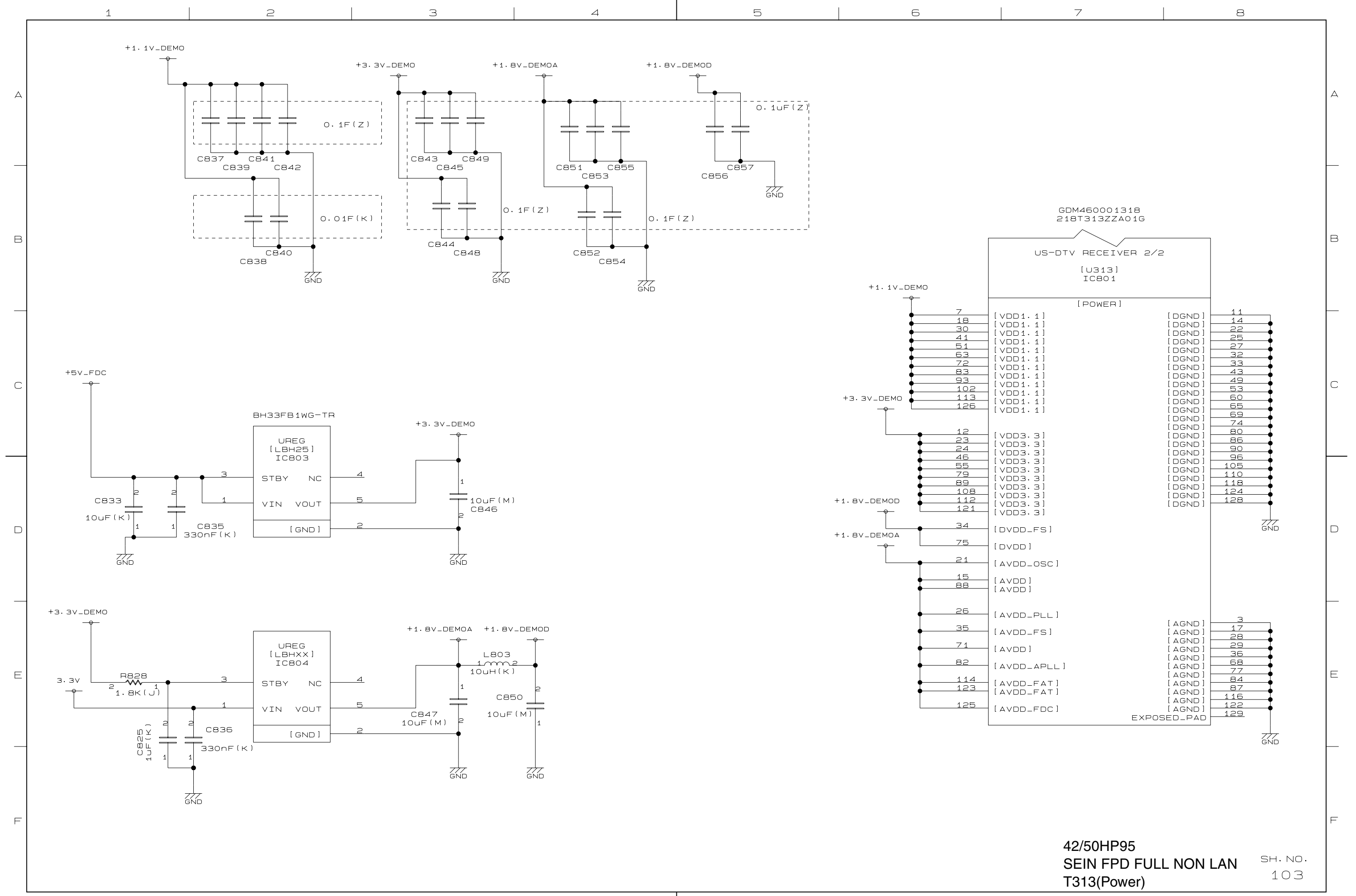


42/50HP95
 SEIN FPD FULL NON LAN
 T313(Signal) SH. NO.
 101

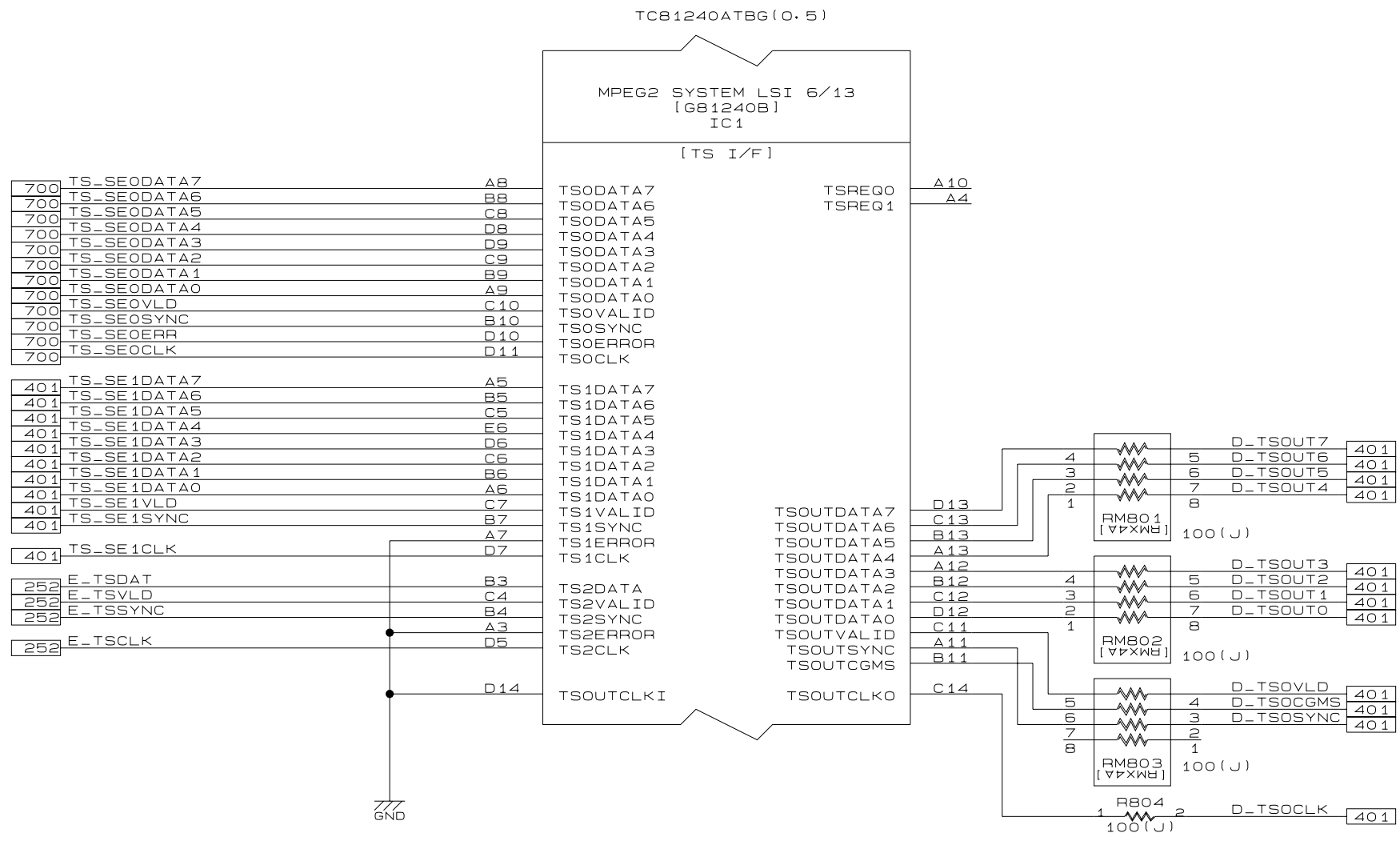


42/50HP95
 SEIN FPD FULL NON LAN
 1.1VRegulator

SH. NO.
 102



42/50HP95
 SEIN FPD FULL NON LAN
 T313(Power) SH. NO.
 103



1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

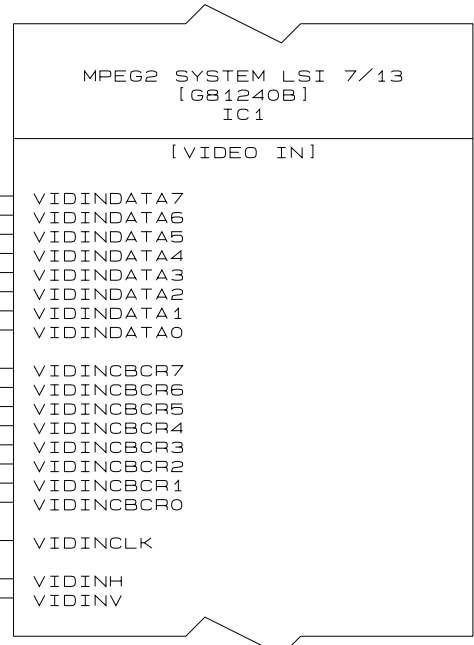
B

C

D

E

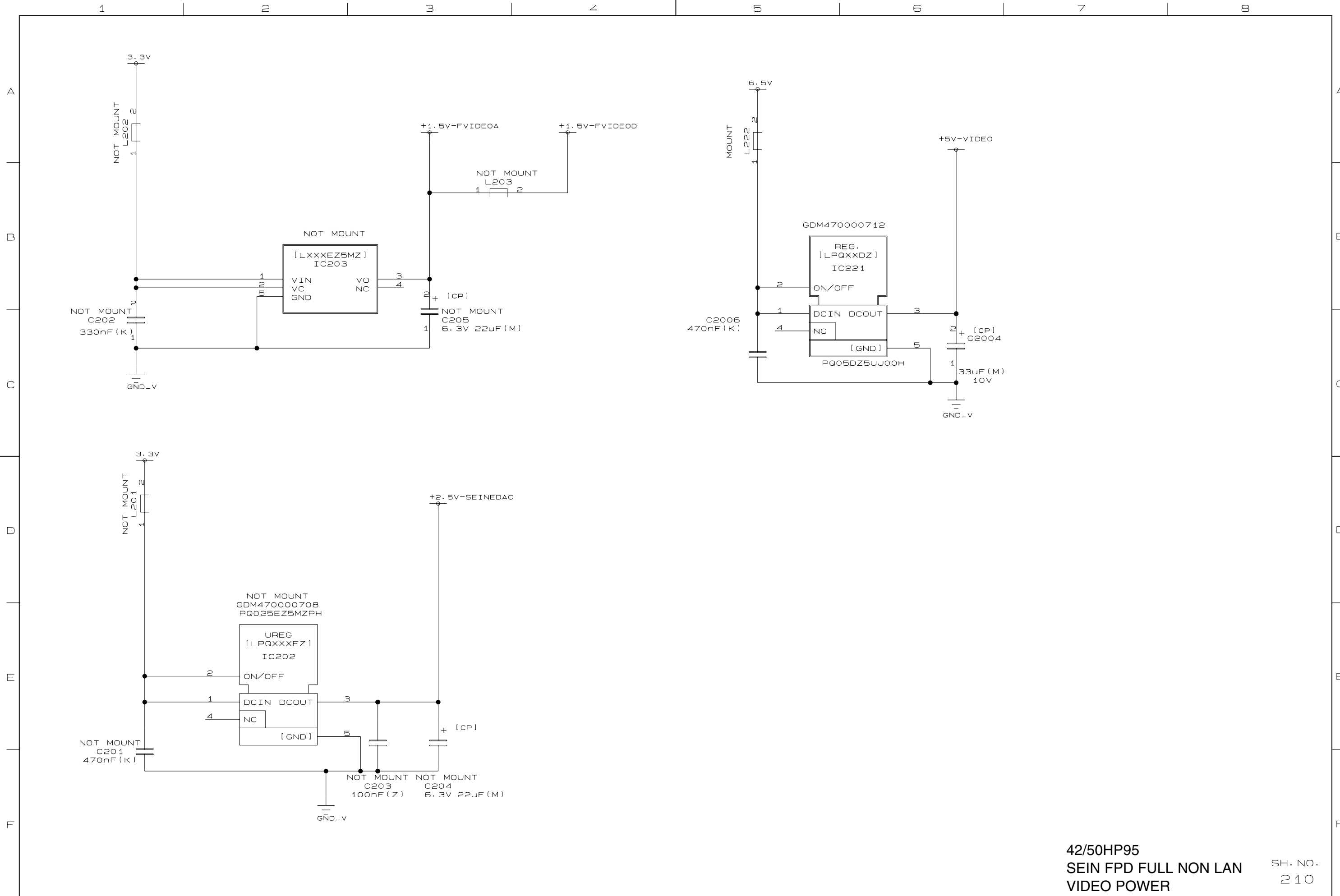
F



GND

42/50HP95
SEIN FPD FULL NON LAN
SEINE CAPTURE IN

SH. NO.
200



42/50HP95
 SEIN FPD FULL NON LAN
 VIDEO POWER

SH. NO.
 210

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

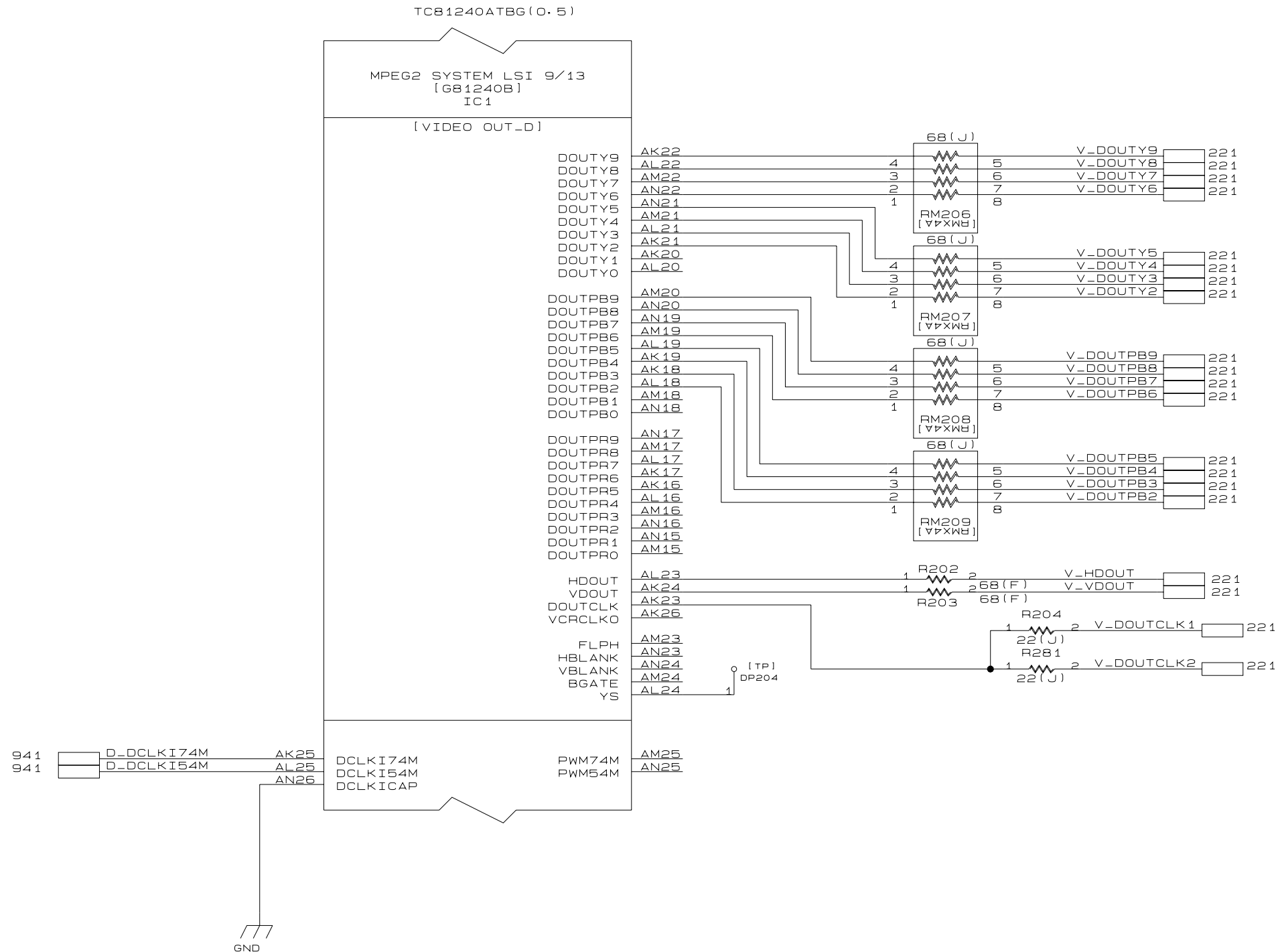
B

C

D

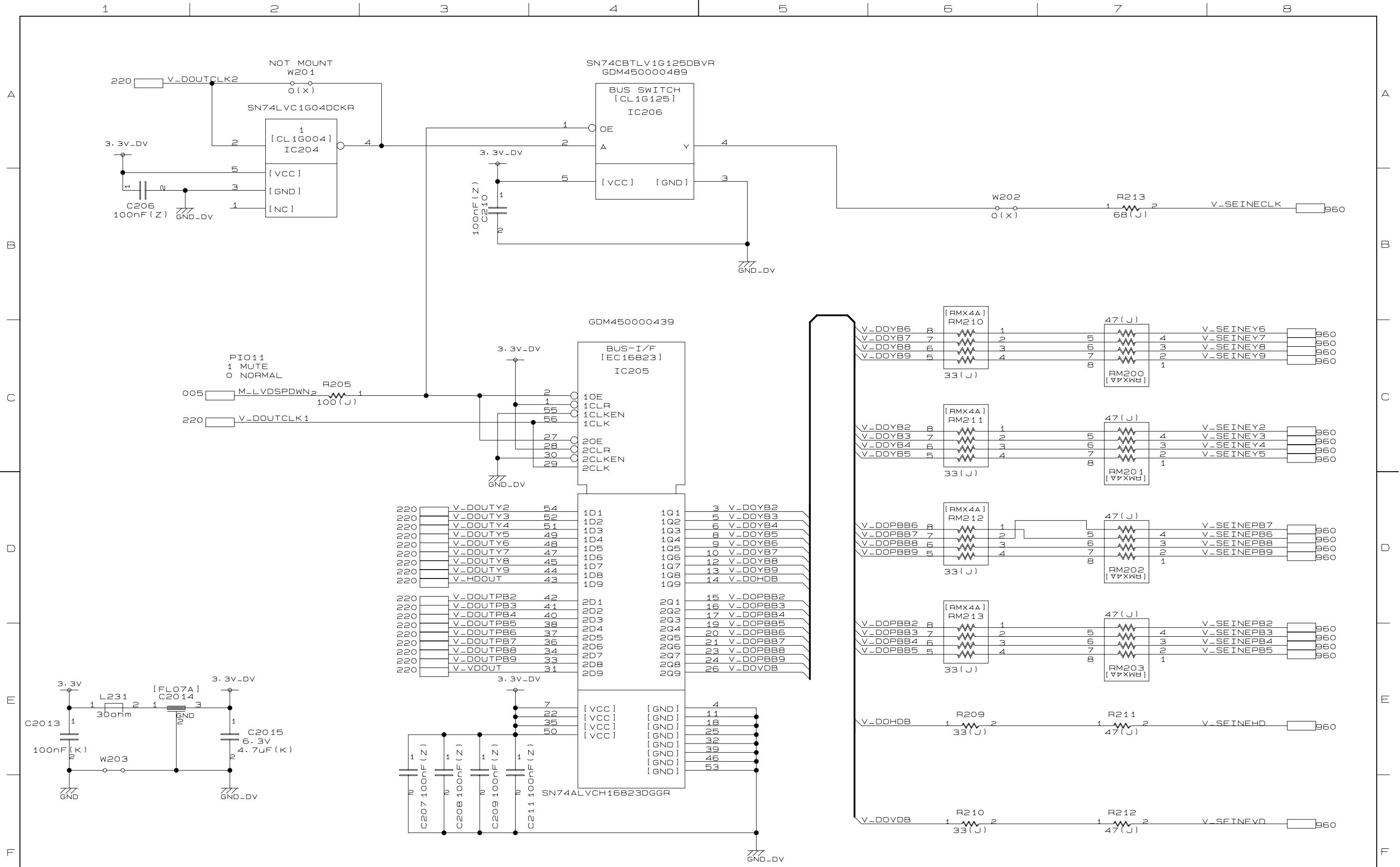
E

F



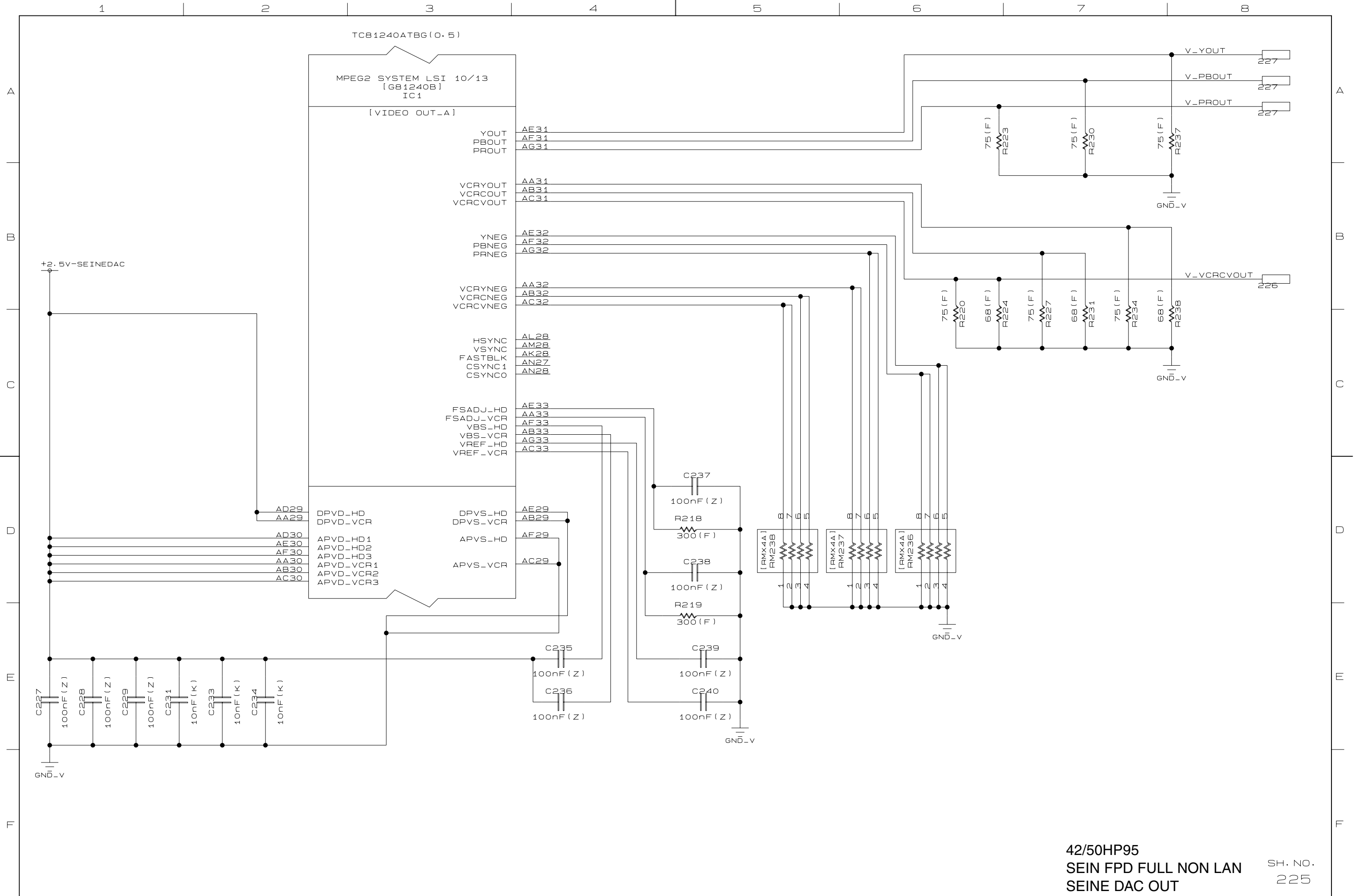
42/50HP95
SEIN FPD FULL NON LAN
SEINE DIGITAL OUT

SH. NO.
220



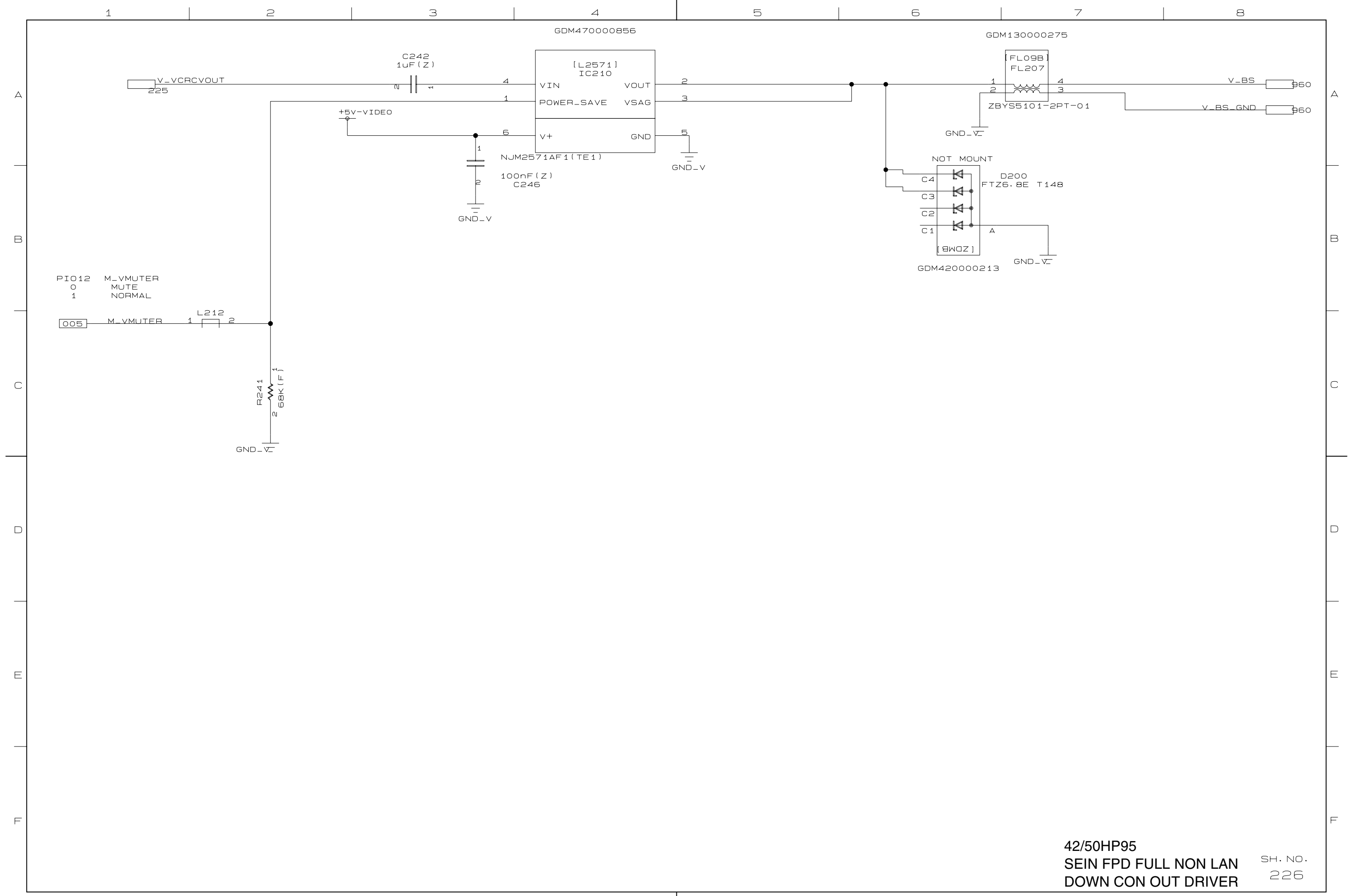
42/50HP95
 SEIN FPD FULL NON LAN
 SEINE-BEP IF

SH. NO.
 221



42/50HP95
SEIN FPD FULL NON LAN
SEINE DAC OUT

SH. NO.
225



42/50HP95
 SEIN FPD FULL NON LAN
 DOWN CON OUT DRIVER

SH. NO.
 226

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

B

C

D

E

F



V_YOUT



V_PBOUT



V_PROUT

NOT MOUNT
GDM220000993

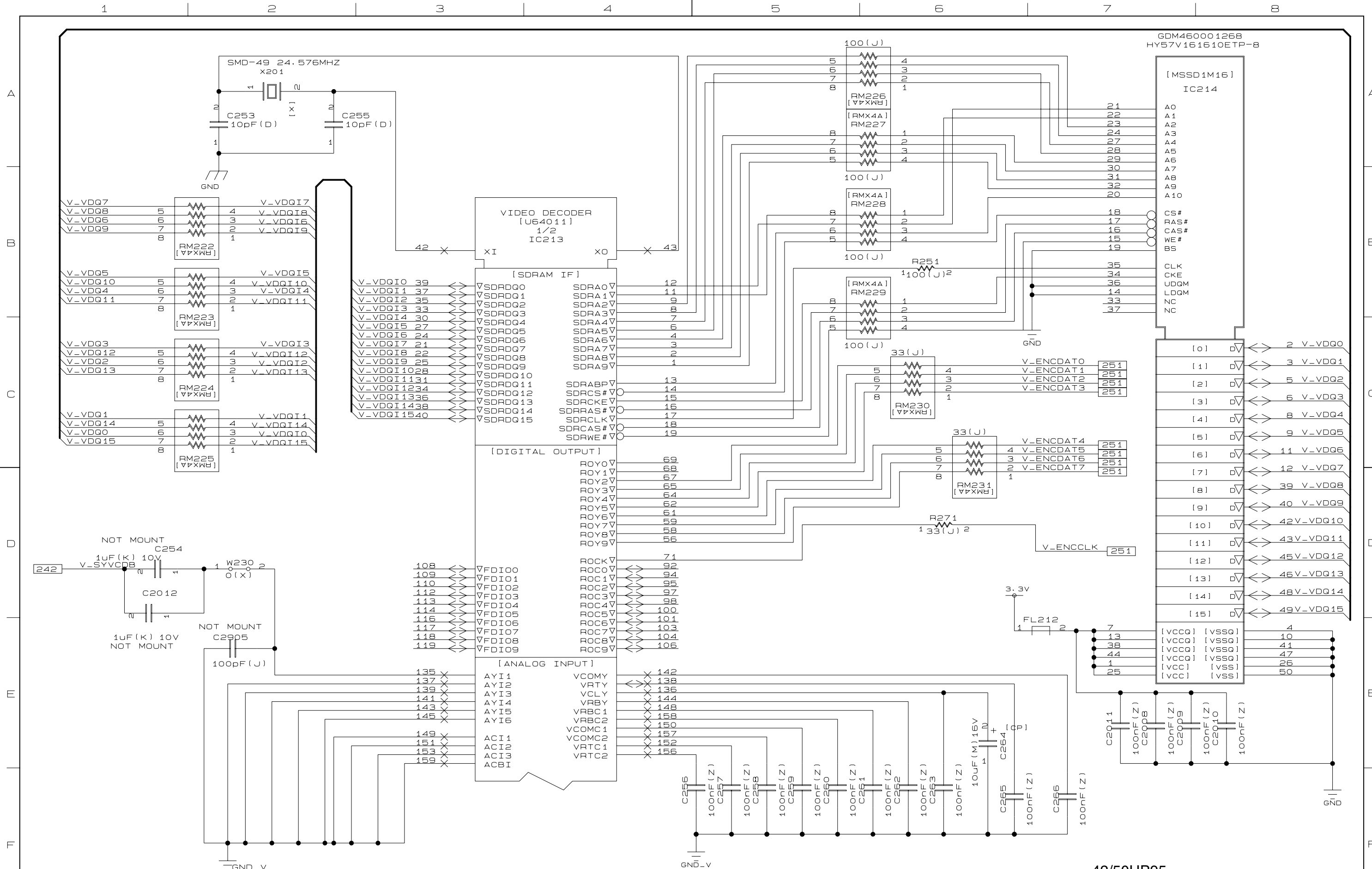
[CN5]
PJ202

1
2
3
4
5

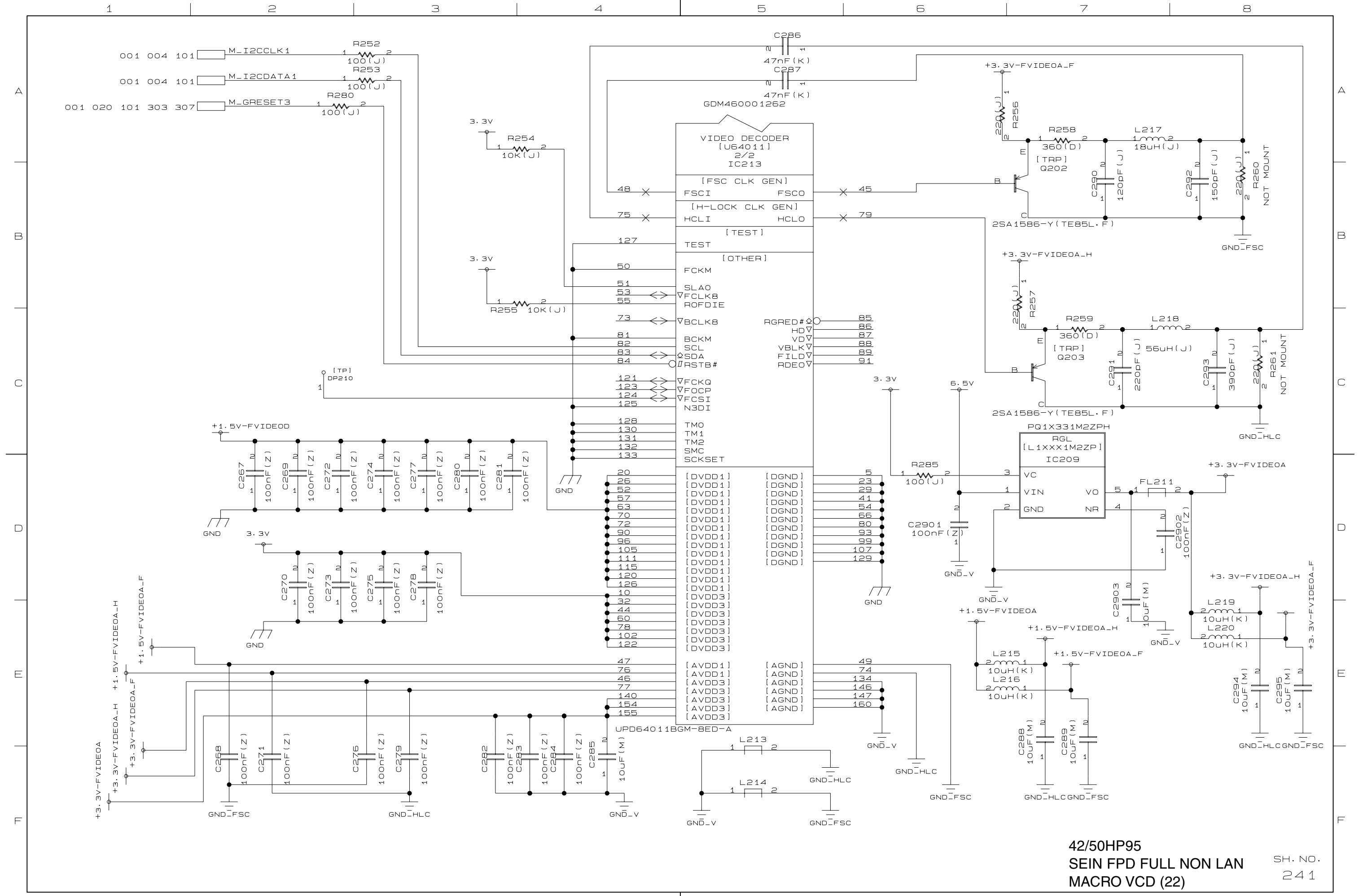
GND_V

42/50HP95
SEIN FPD FULL NON LAN
HD OUT LPF

SH. NO.
227

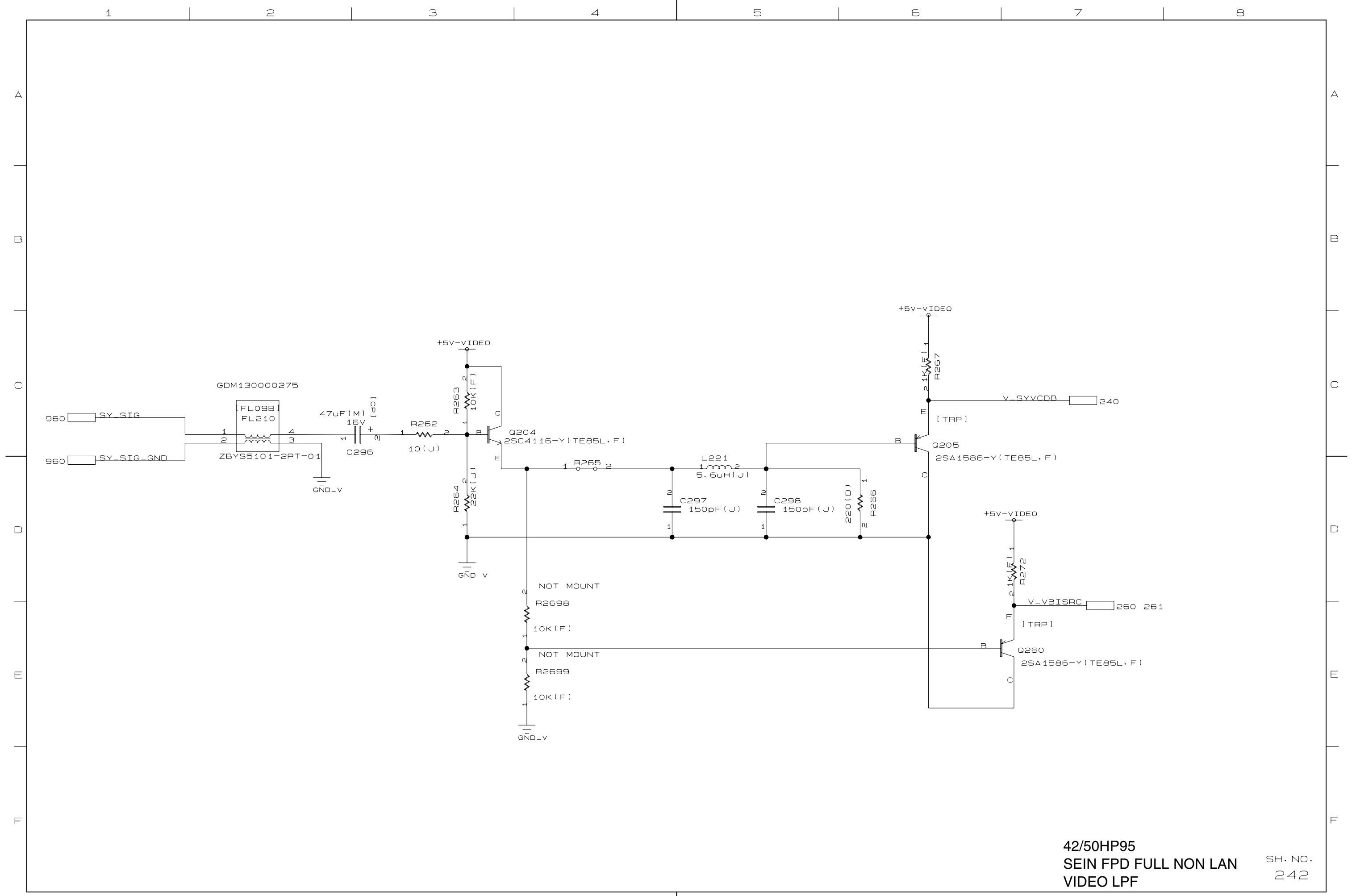


42/50HP95
 SEIN FPD FULL NON LAN
 MACRO VCD (1/2) SH. NO.
 240



42/50HP95
 SEIN FPD FULL NON LAN
 MACRO VCD (22)

SH. NO.
 241



42/50HP95
 SEIN FPD FULL NON LAN
 VIDEO LPF

SH. NO.
 242

A
B
C
D
E
F

GDM460001215
EDS6432AFTA-6B-E

SDRAM 64Mbit
[MSSD2M32]
IC250

Elpida:EDS6432AFTA

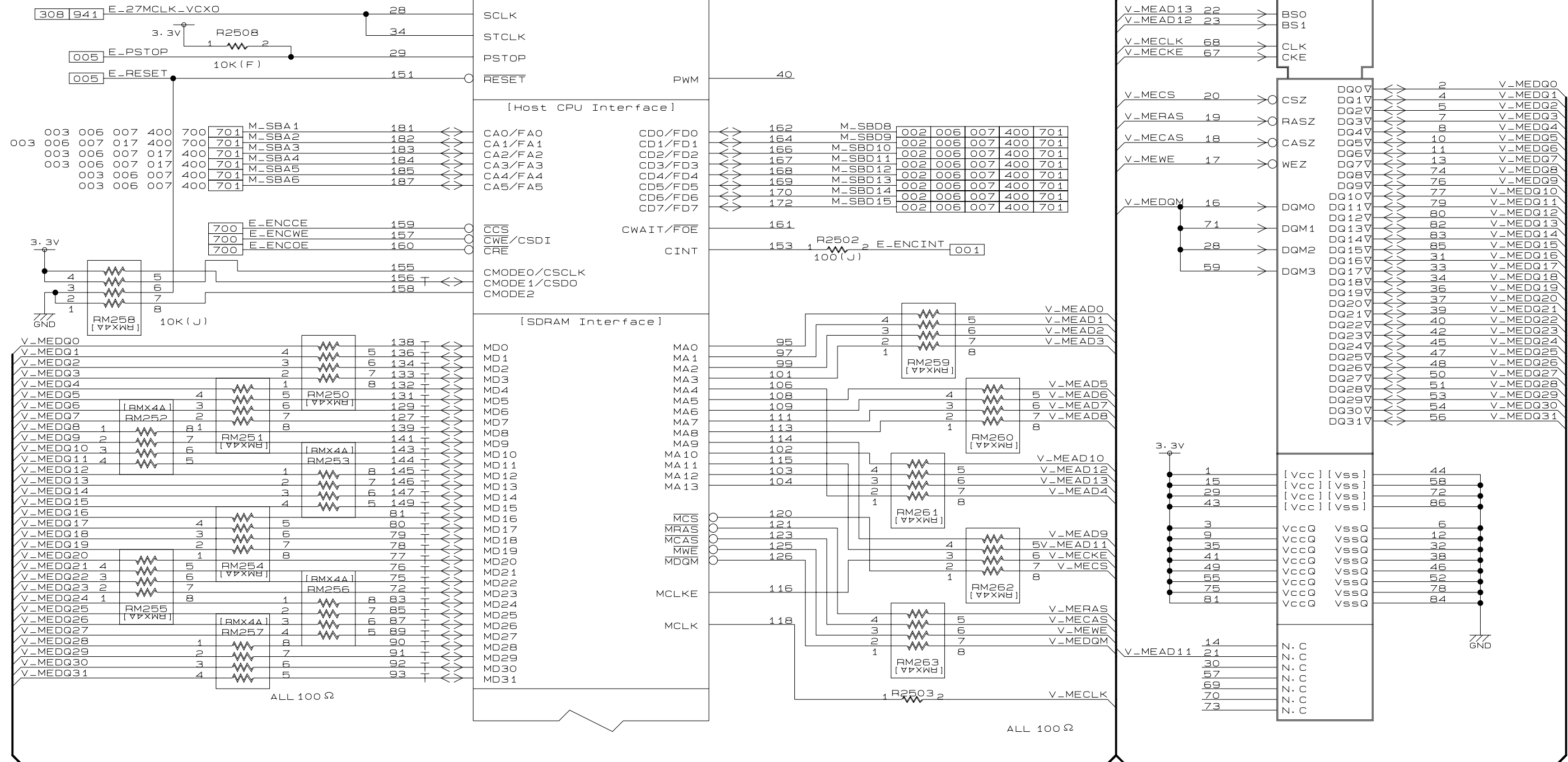
GDM460001099
UPD61052GD-LML-A

uPD61052 1/4
[U61052]
IC255

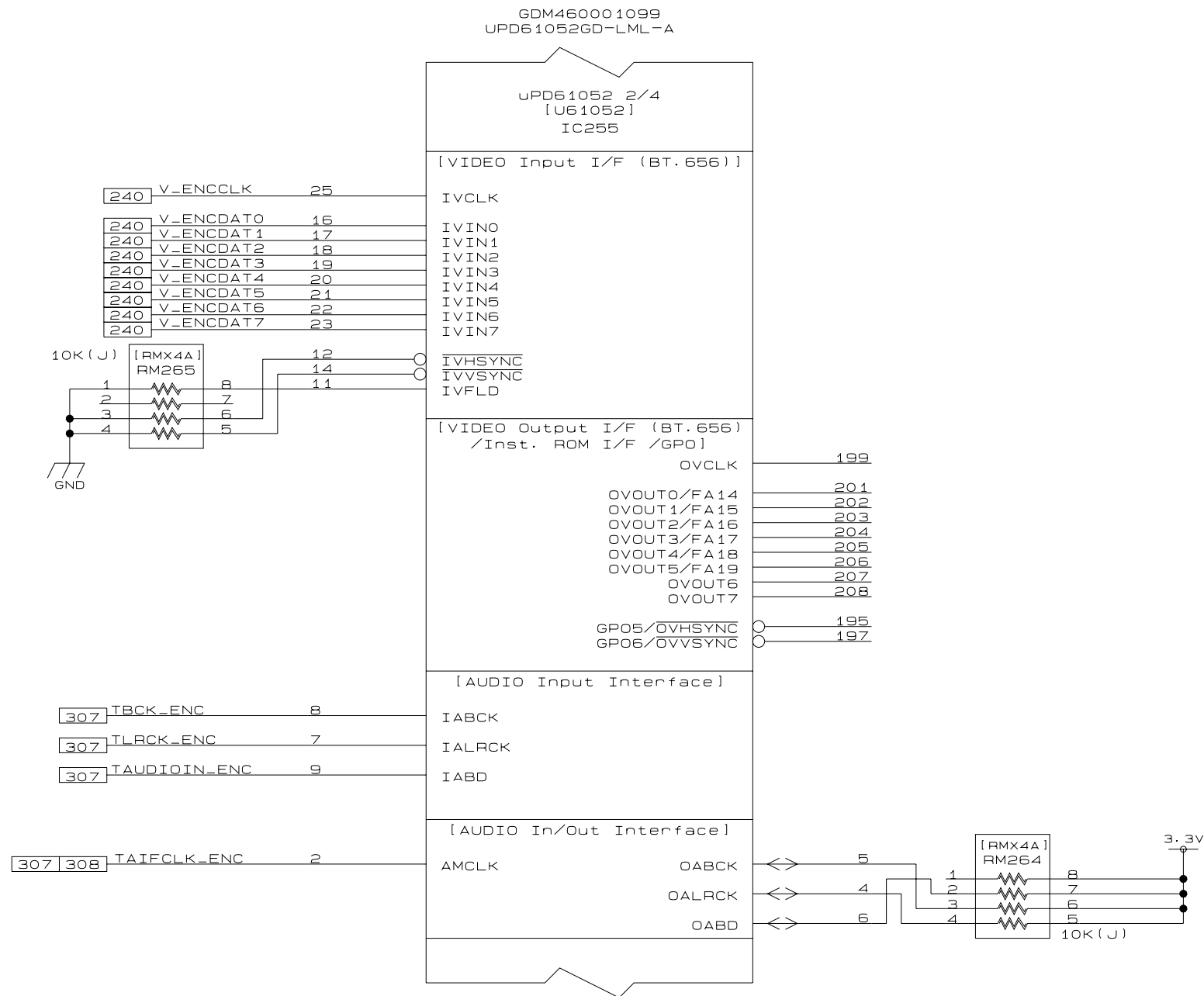
[Clock and Reset]

[Host CPU Interface]

[SDRAM Interface]



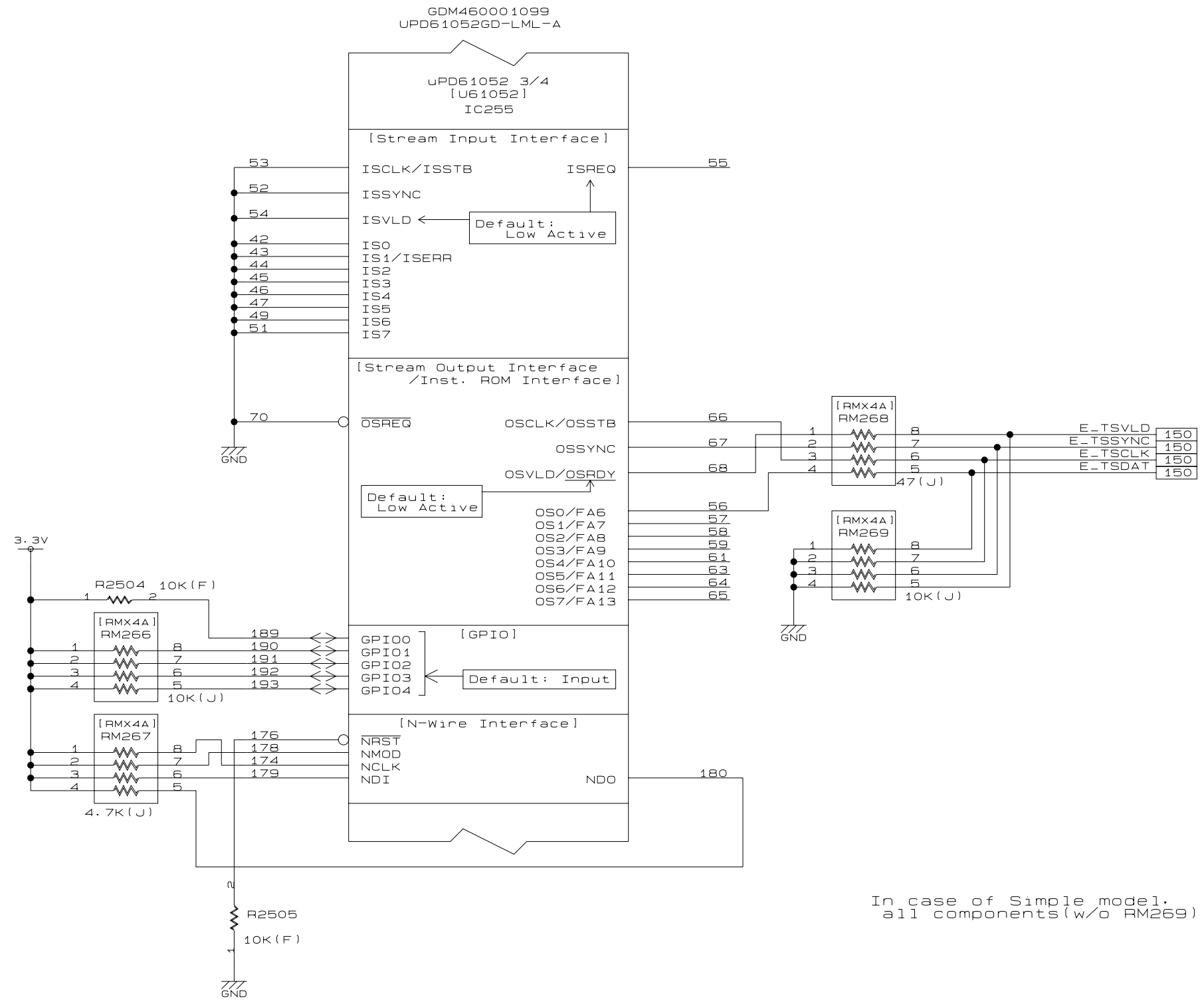
42/50HP95
SEIN FPD FULL NON LAN
MPEG Enc. (CLK, SDRAM) SH. NO. 250



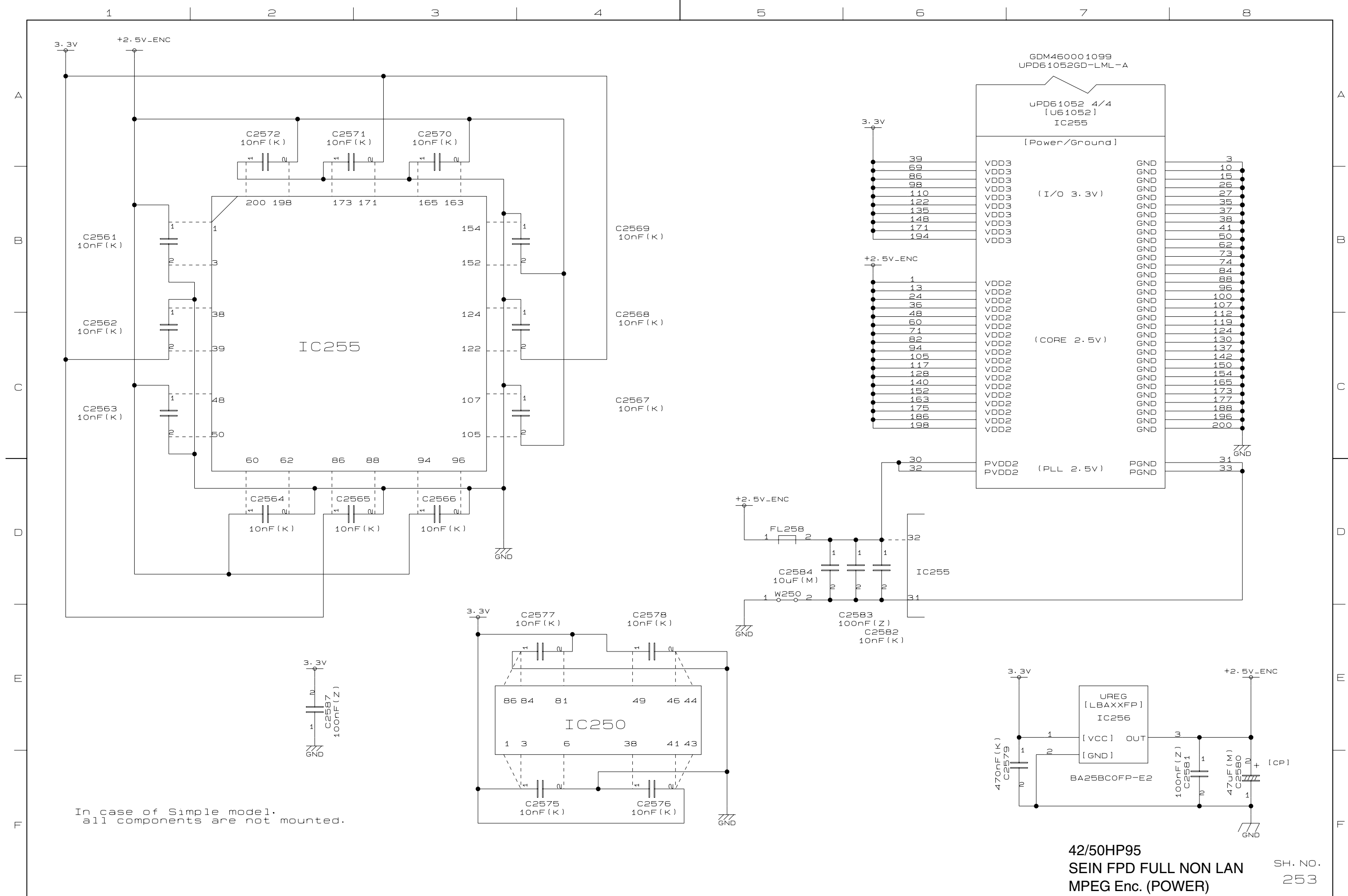
In case of Simple model.
all components are not mounted.

42/50HP95
SEIN FPD FULL NON LAN
MPEG Enc. (AV I/F)

SH. NO.
251



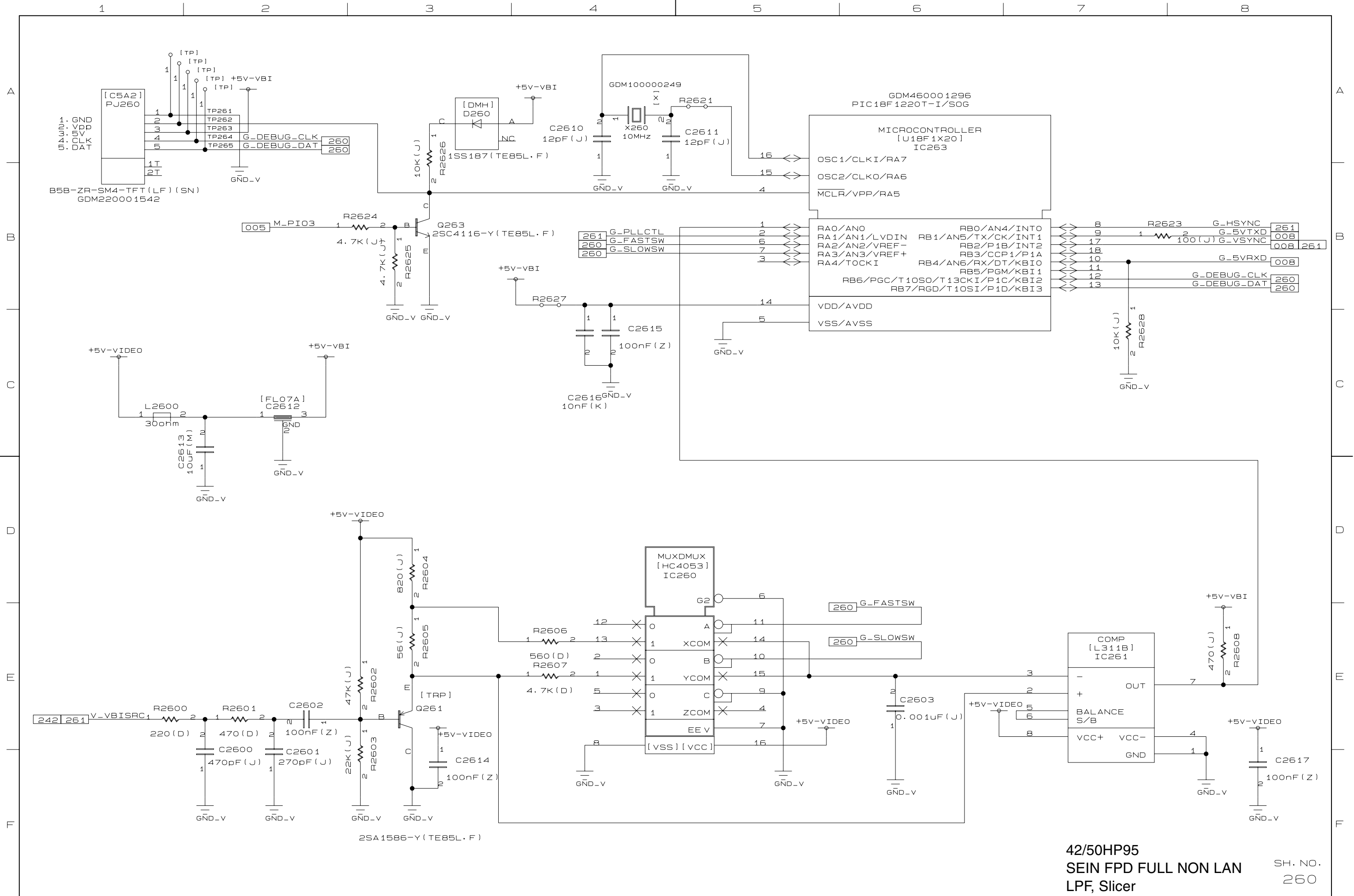
In case of Simple model,
all components(w/o RM269) are not mounted.



In case of Simple model.
all components are not mounted.

42/50HP95
SEIN FPD FULL NON LAN
MPEG Enc. (POWER)

SH. NO.
253

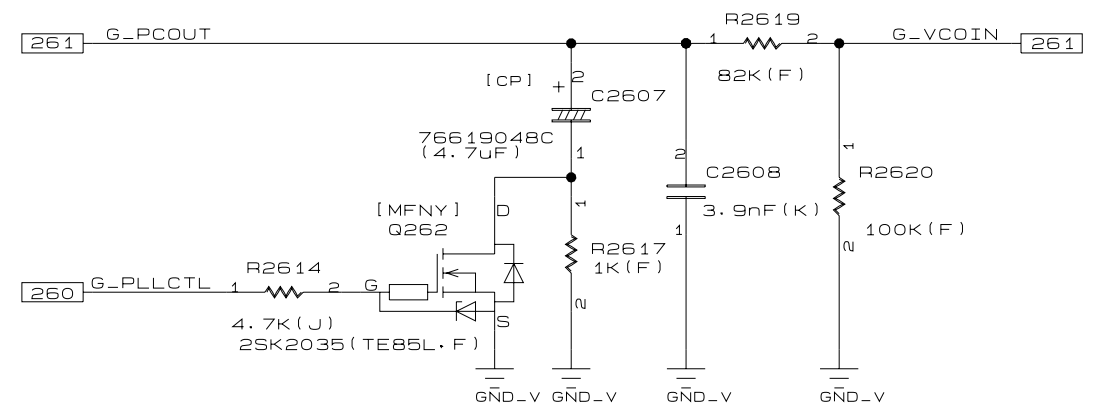
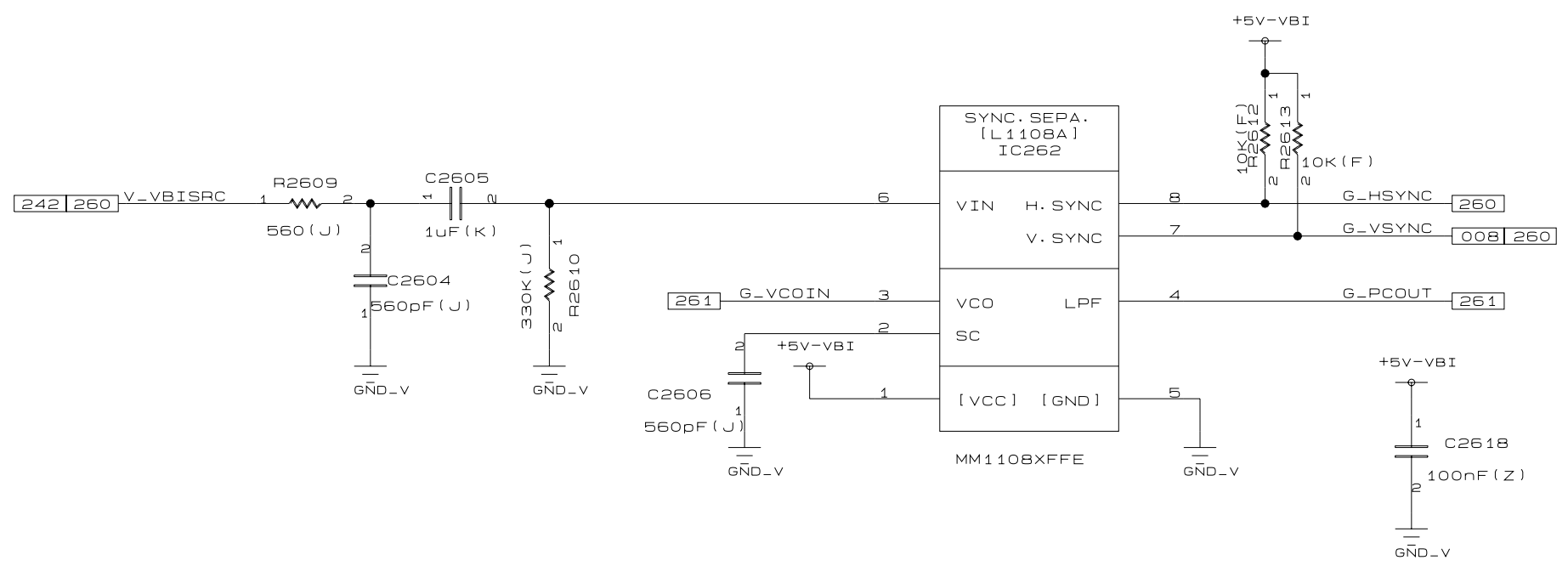


42/50HP95
 SEIN FPD FULL NON LAN
 LPF, Slicer

SH. NO.
 260

1 2 3 4 5 6 7 8

A
B
C
D
E
F



42/50HP95
 SEIN FPD FULL NON LAN
 H/V Sync Sep. SH. NO.
 261

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

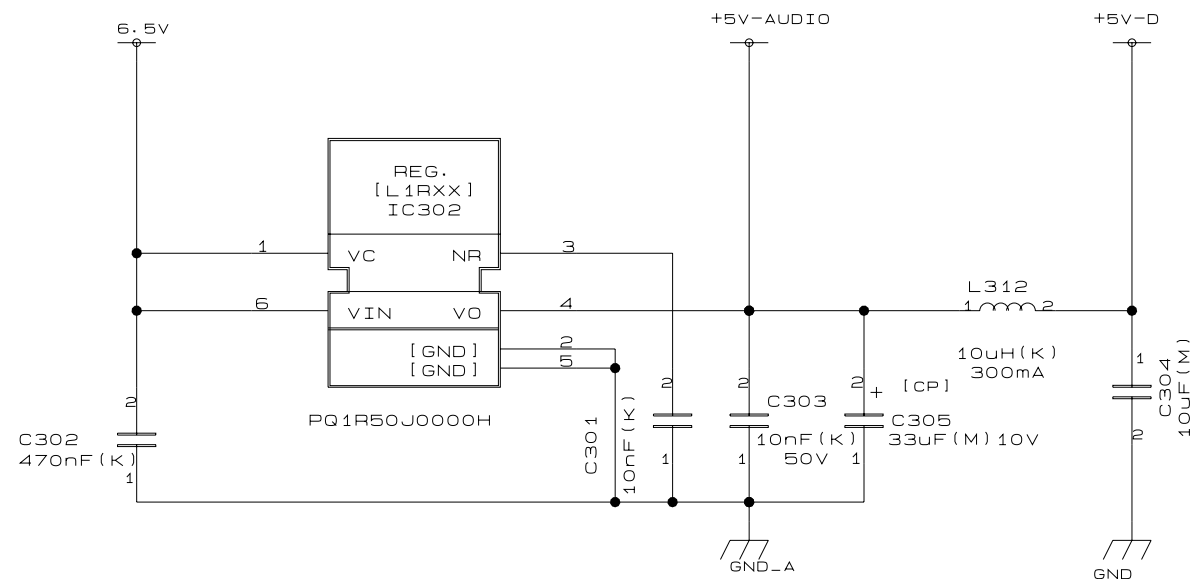
B

C

D

E

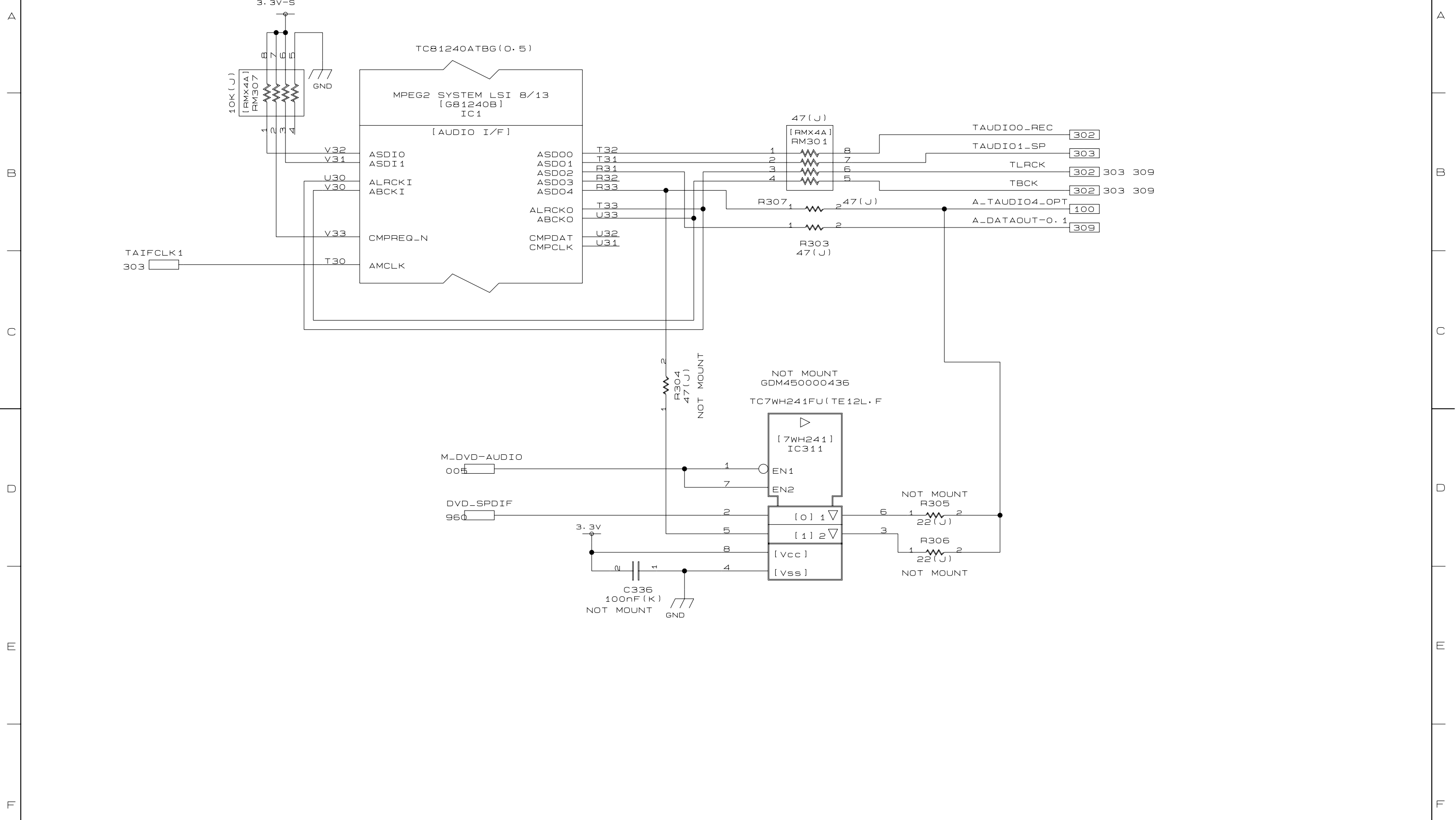
F



42/50HP95
 SEIN FPD FULL NON LAN
 AUDIO POWER

SH. NO.
 300

1 2 3 4 5 6 7 8

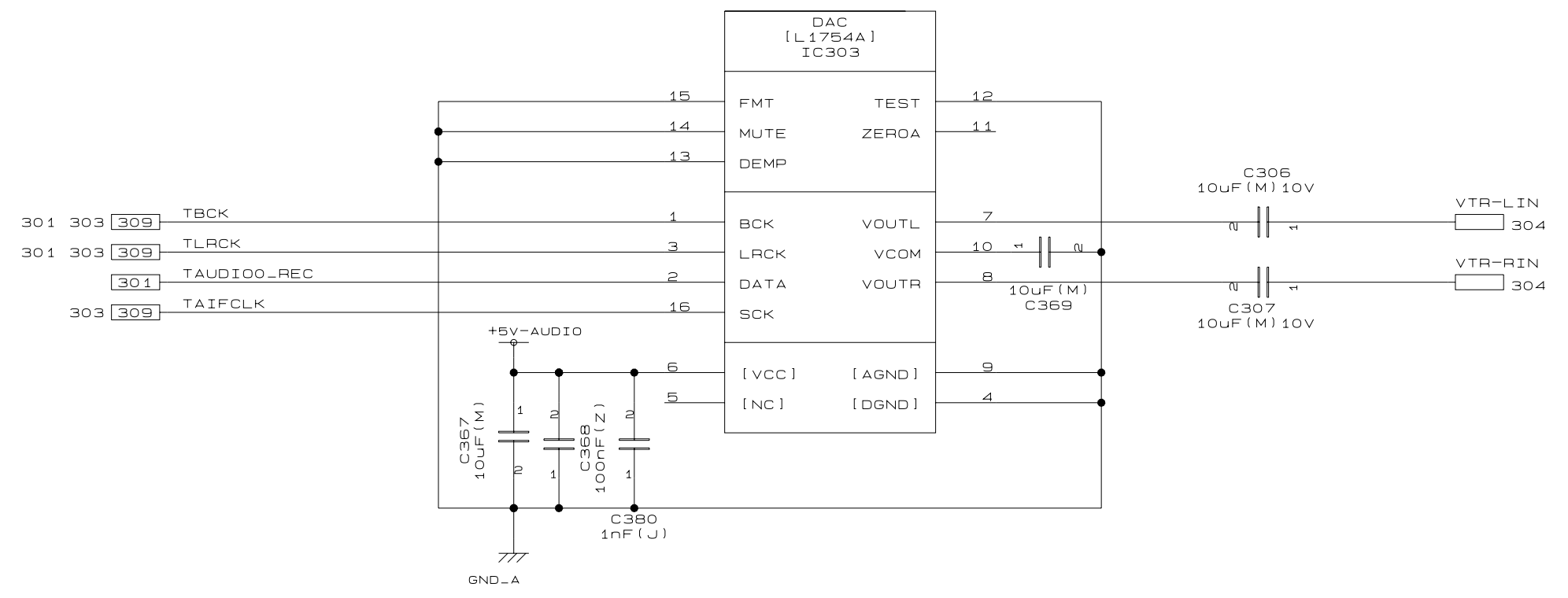


42/50HP95
 SEIN FPD FULL NON LAN
 SEINE AUDIO I/F

SH. NO.
 301

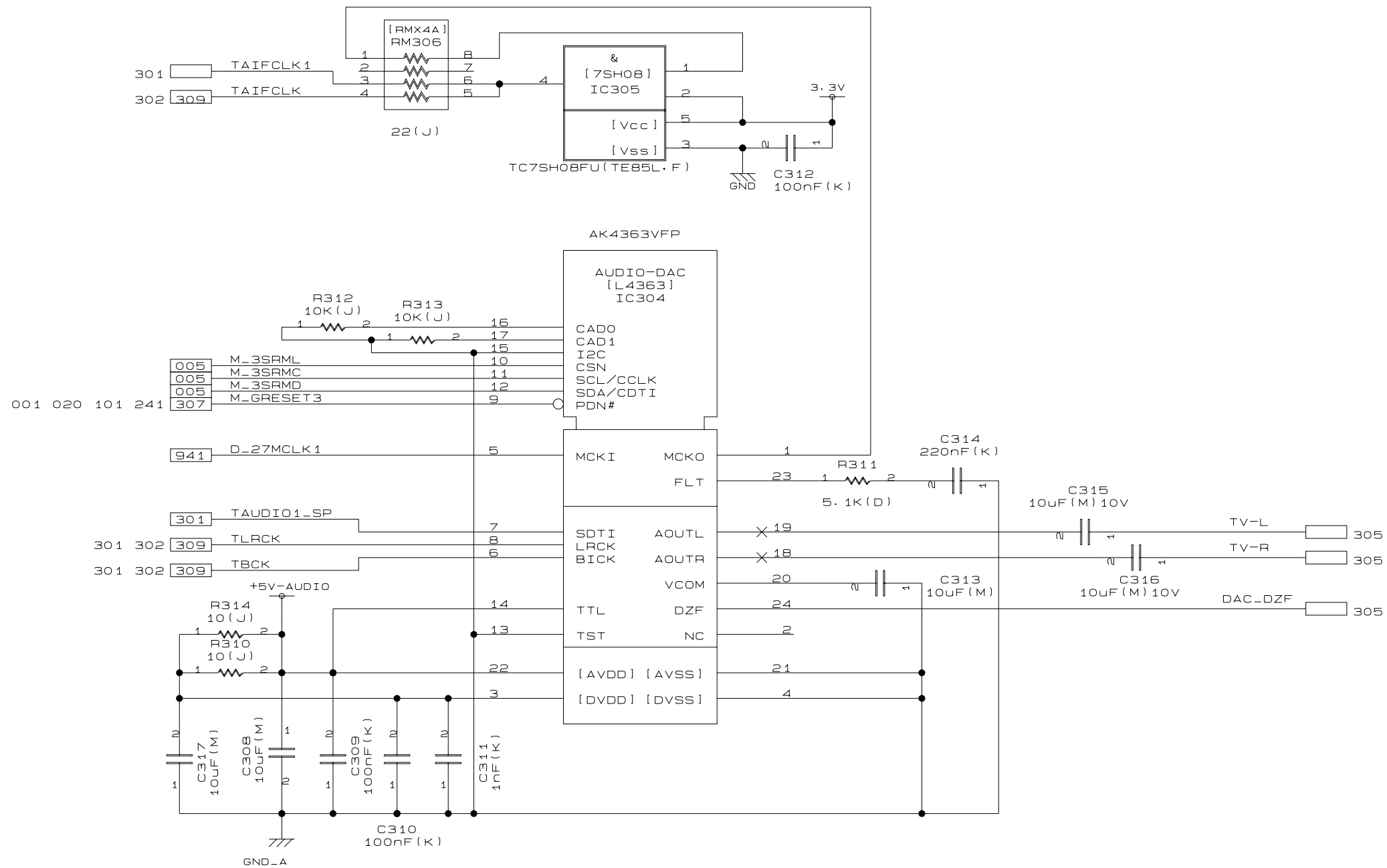
1 2 3 4 5 6 7 8

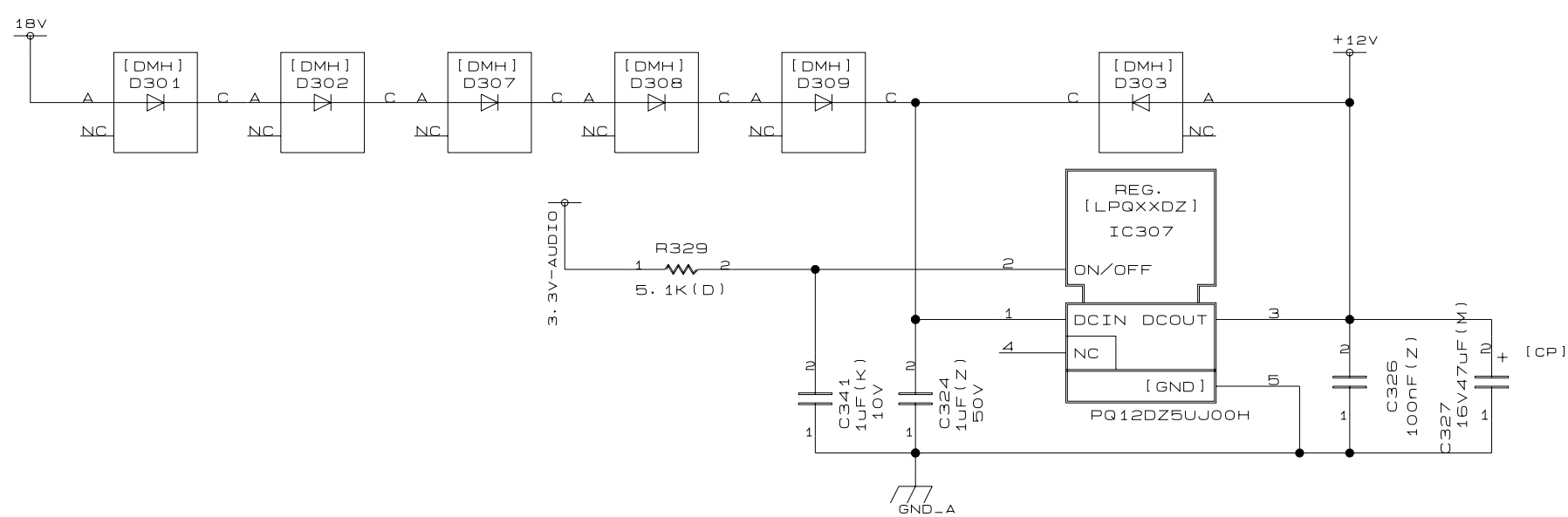
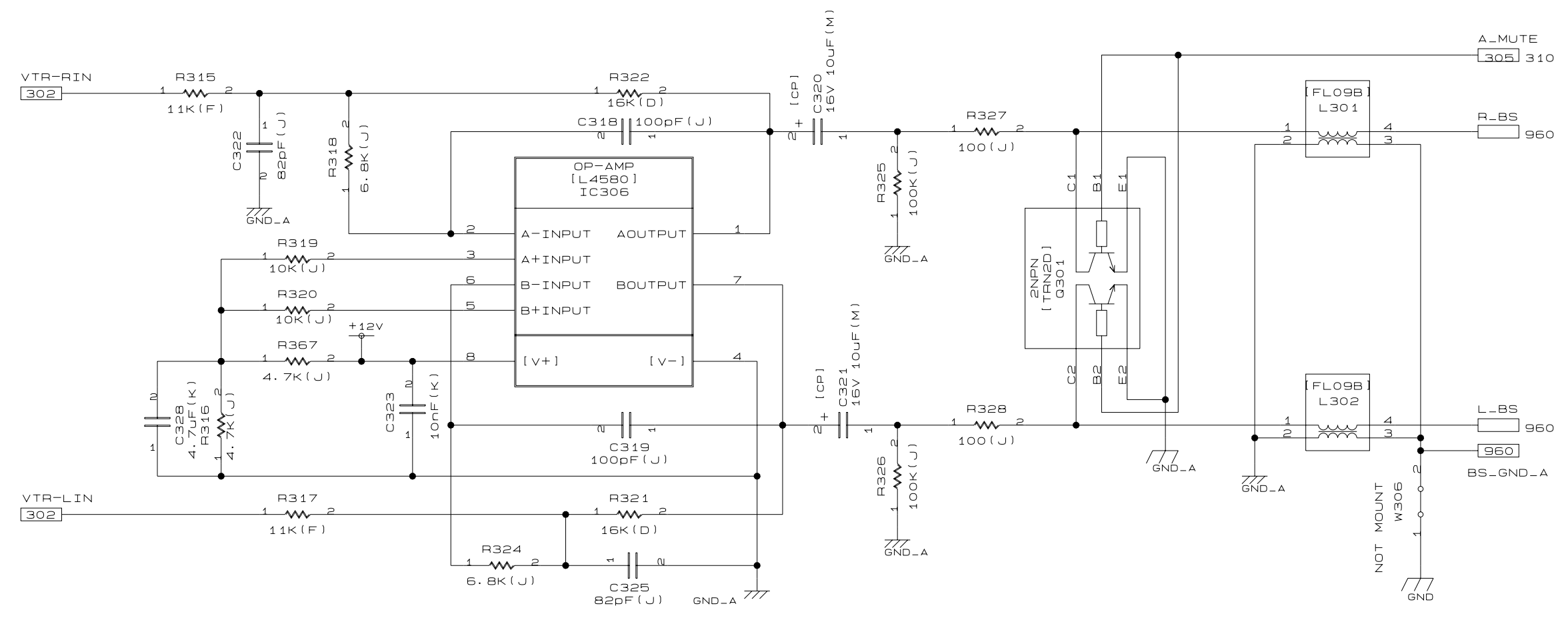
A
B
C
D
E
F



42/50HP95
SEIN FPD FULL NON LAN
AUDIO DAC

SH. NO.
302



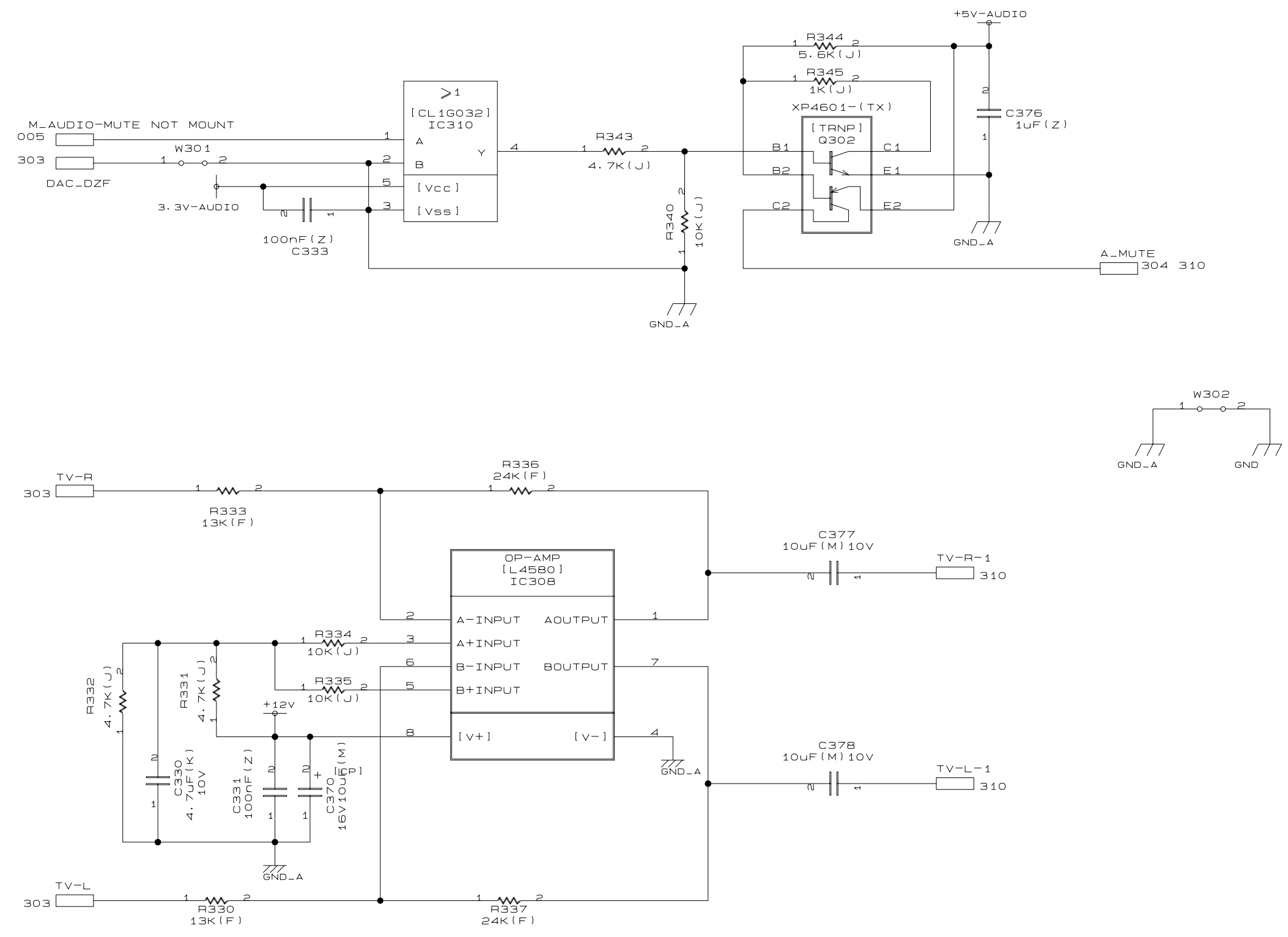


42/50HP95
 SEIN FPD FULL NON LAN
 AUDIO VTR OUT

SH. NO.
 304

1 2 3 4 5 6 7 8

A
B
C
D
E
F

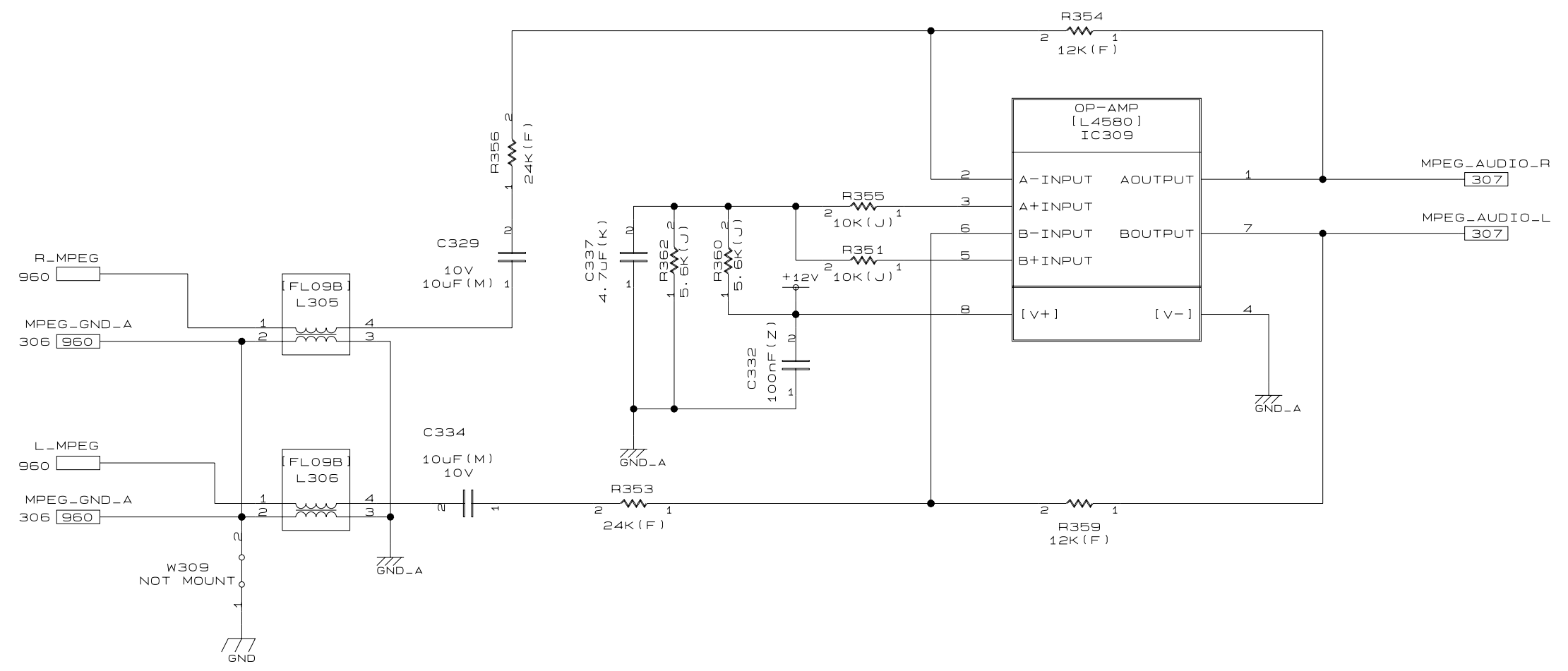


42/50HP95
 SEIN FPD FULL NON LAN
 AUDIO SP OUT

SH. NO.
 305

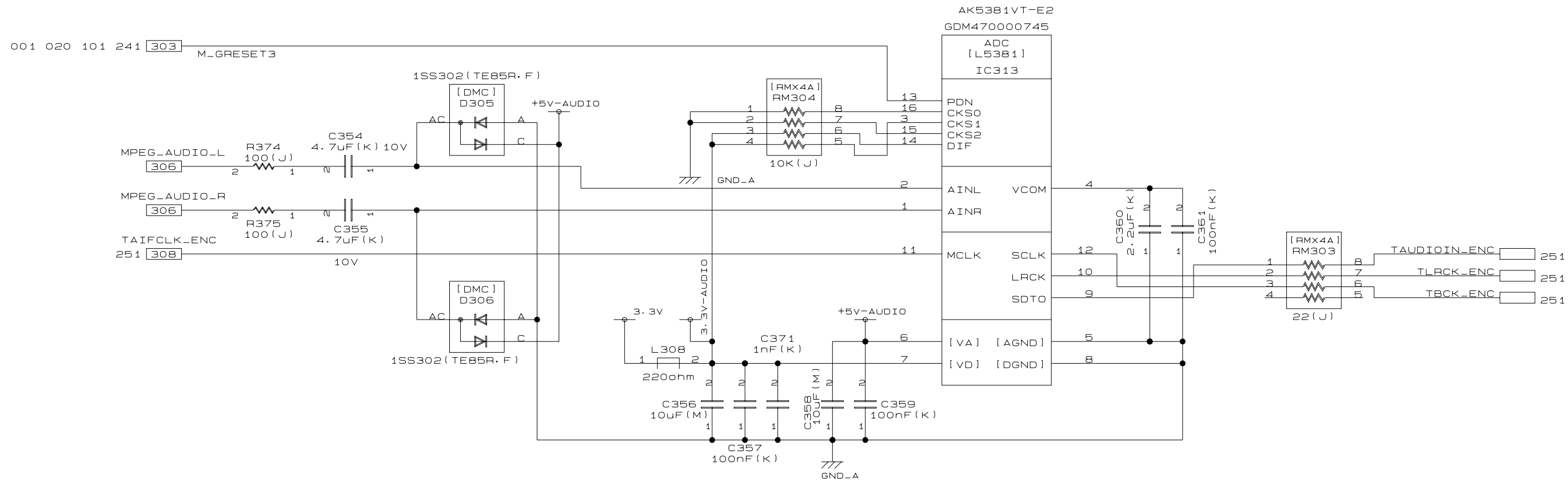
1 2 3 4 5 6 7 8

A
B
C
D
E
F



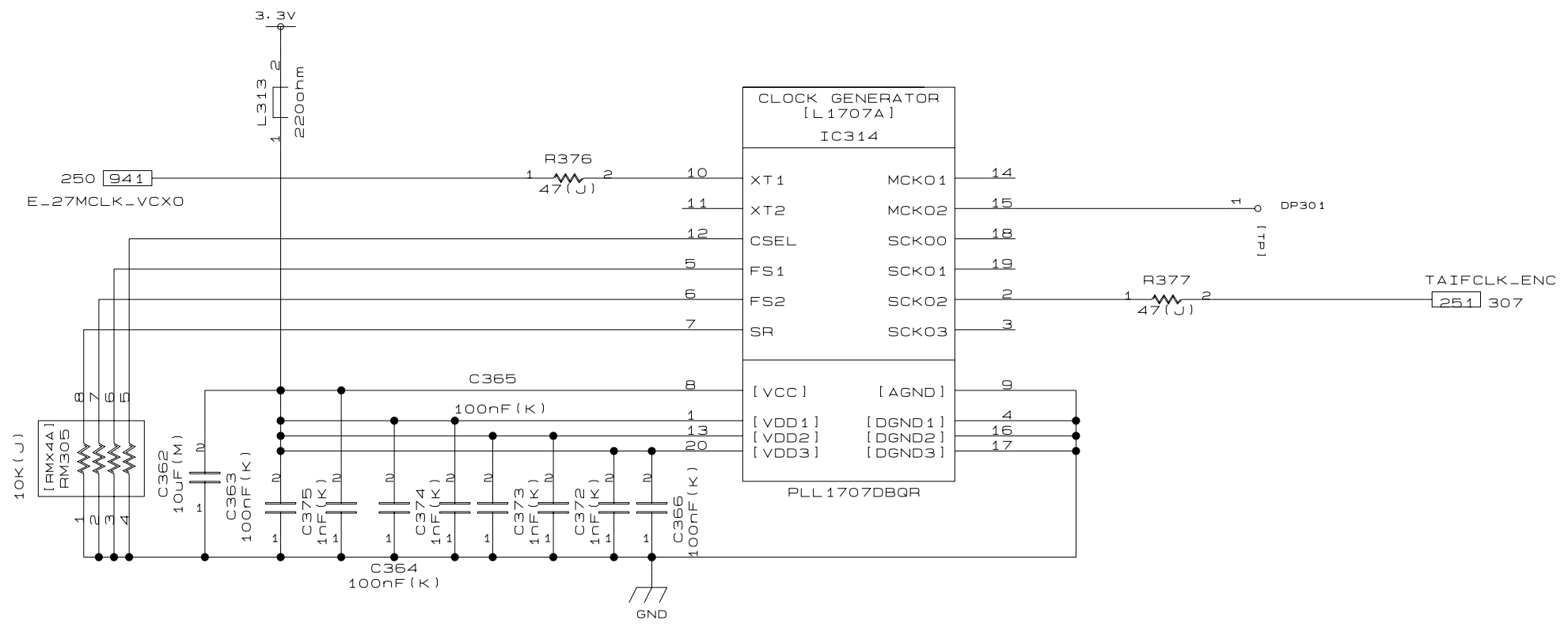
42/50HP95
 SEIN FPD FULL NON LAN
 MPEG2 AUDIO TV IN

SH. NO.
 306



1 2 3 4 5 6 7 8

A
B
C
D
E
F

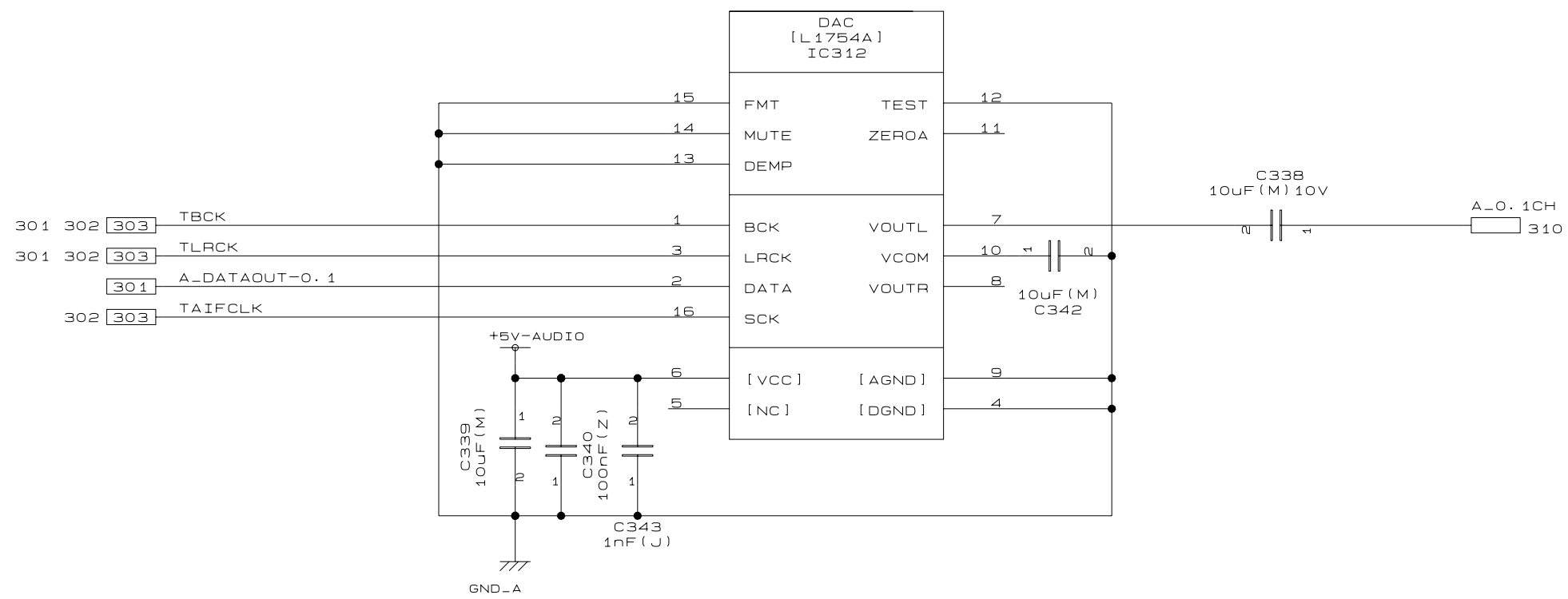


42/50HP95
SEIN FPD FULL NON LAN
MPEG2 AUDIO PLL

SH. NO.
308

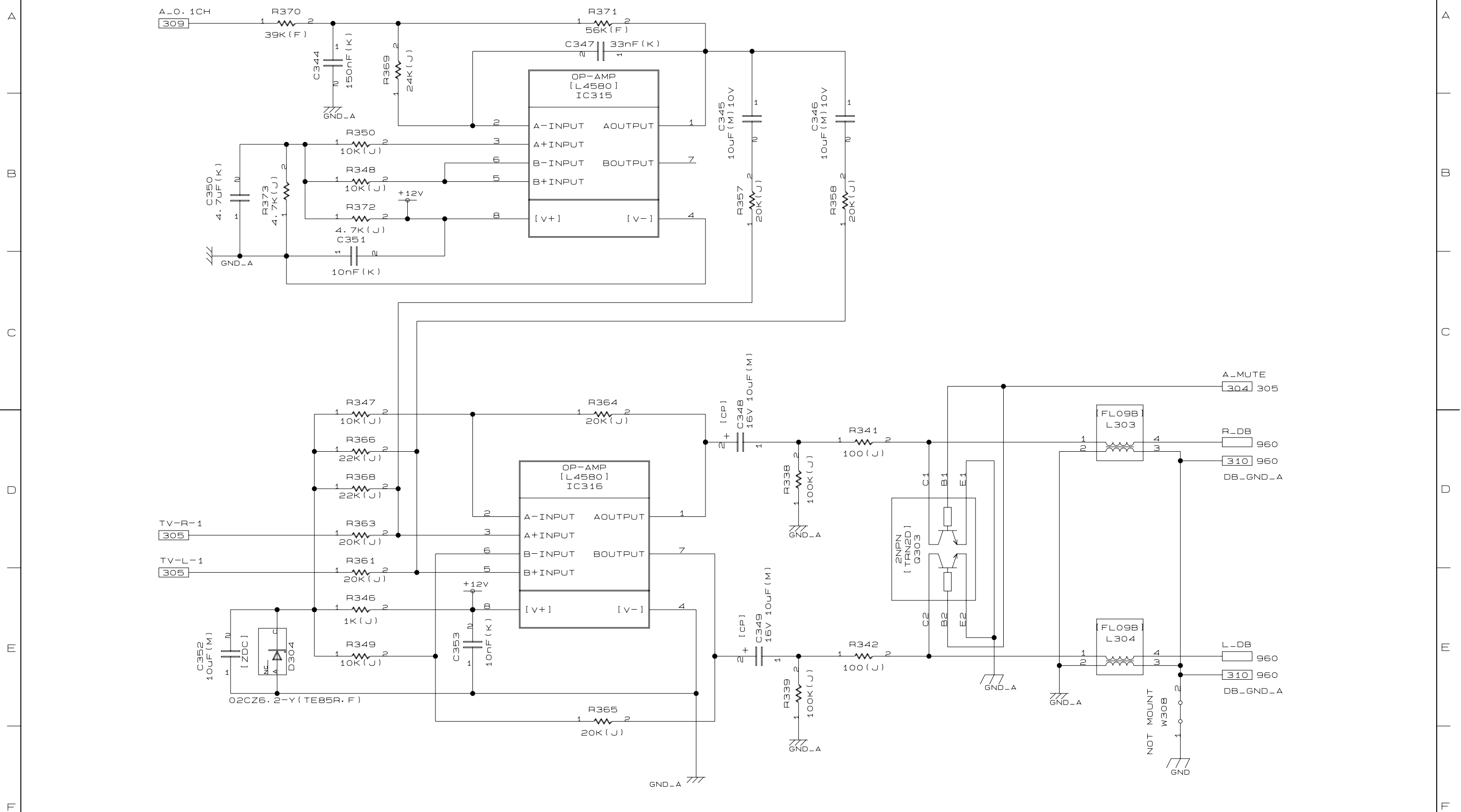
1 2 3 4 5 6 7 8

A
B
C
D
E
F



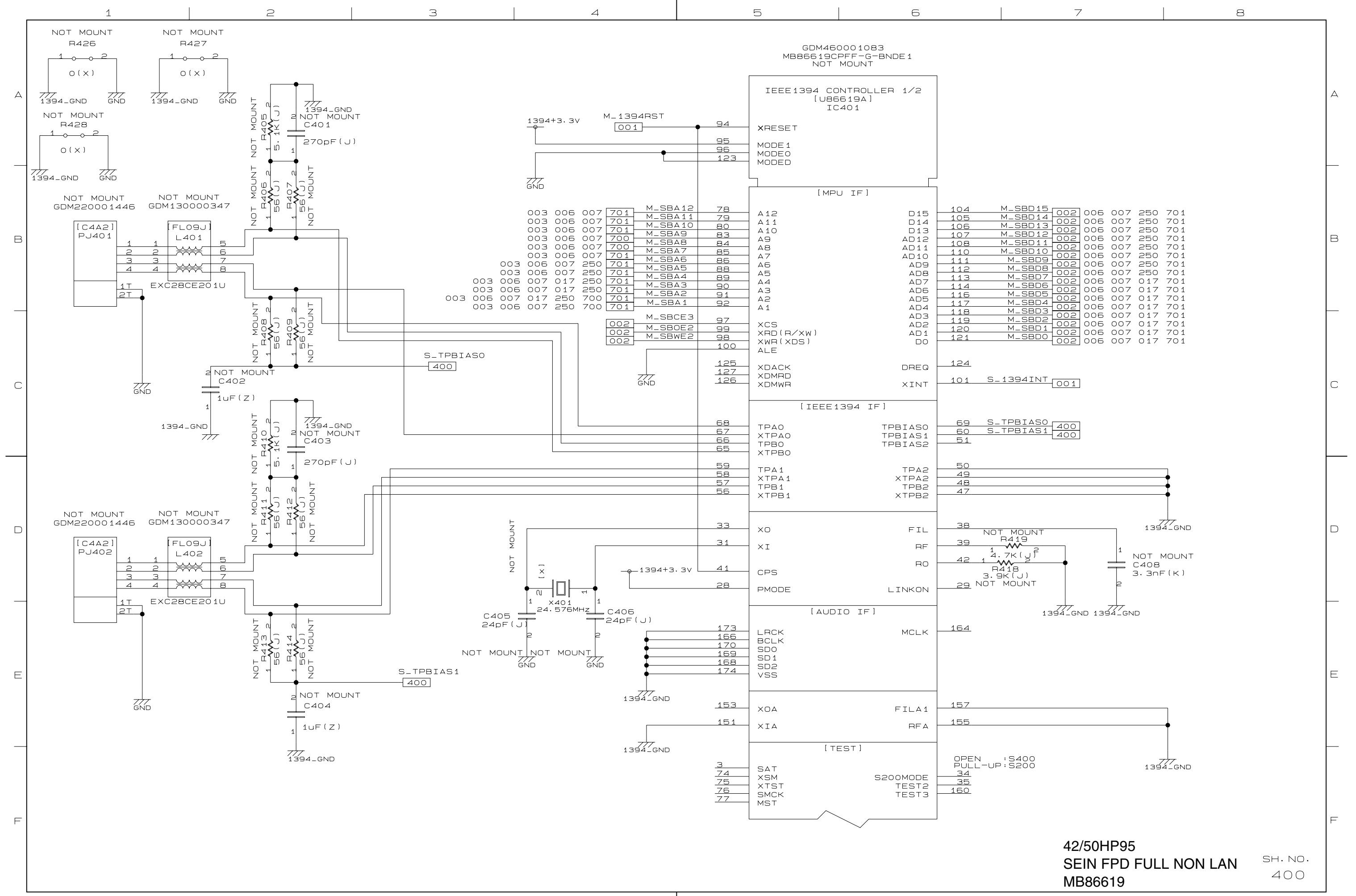
42/50HP95
SEIN FPD FULL NON LAN
AUDIO DAC 0.1CH

SH. NO.
309



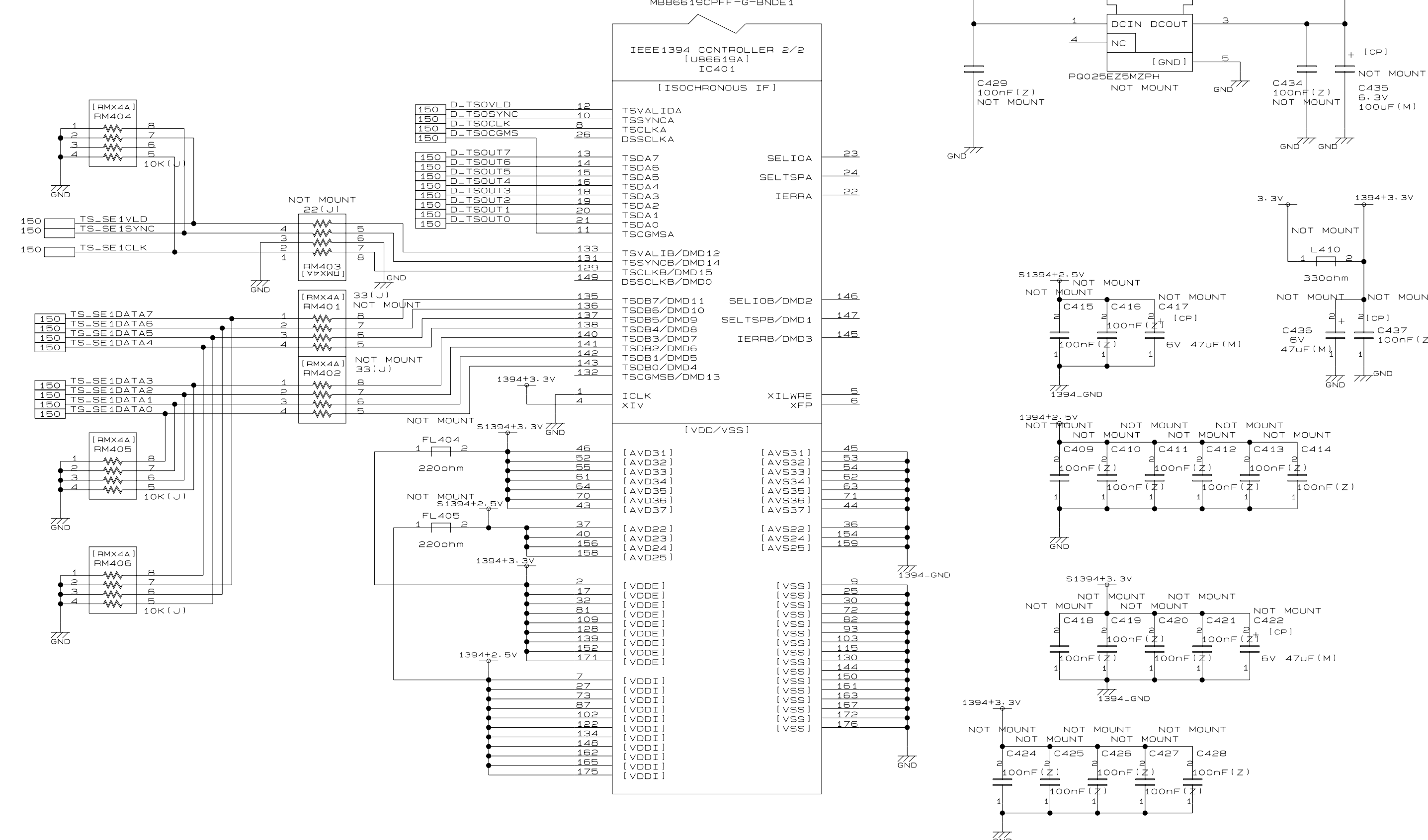
42/50HP95
 SEIN FPD FULL NON LAN
 AUDIO VTR OUT

SH. NO.
 310



42/50HP95
 SEIN FPD FULL NON LAN
 MB86619
 SH. NO.
 400

A
B
C
D
E
F



42/50HP95
SEIN FPD FULL NON LAN
MB86619 (POWER) SH. NO. 401

A

B

C

D

E

F

A

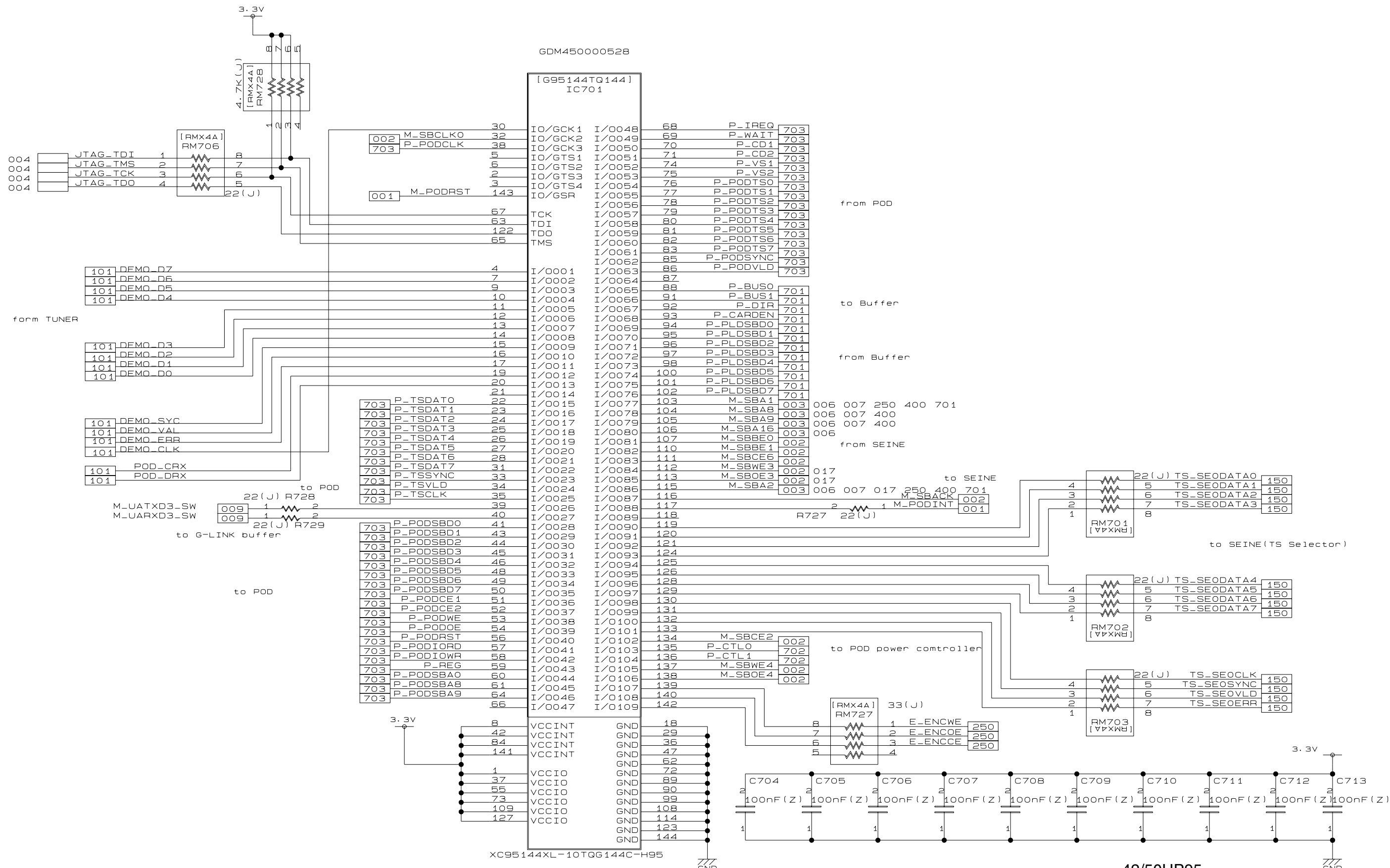
B

C

D

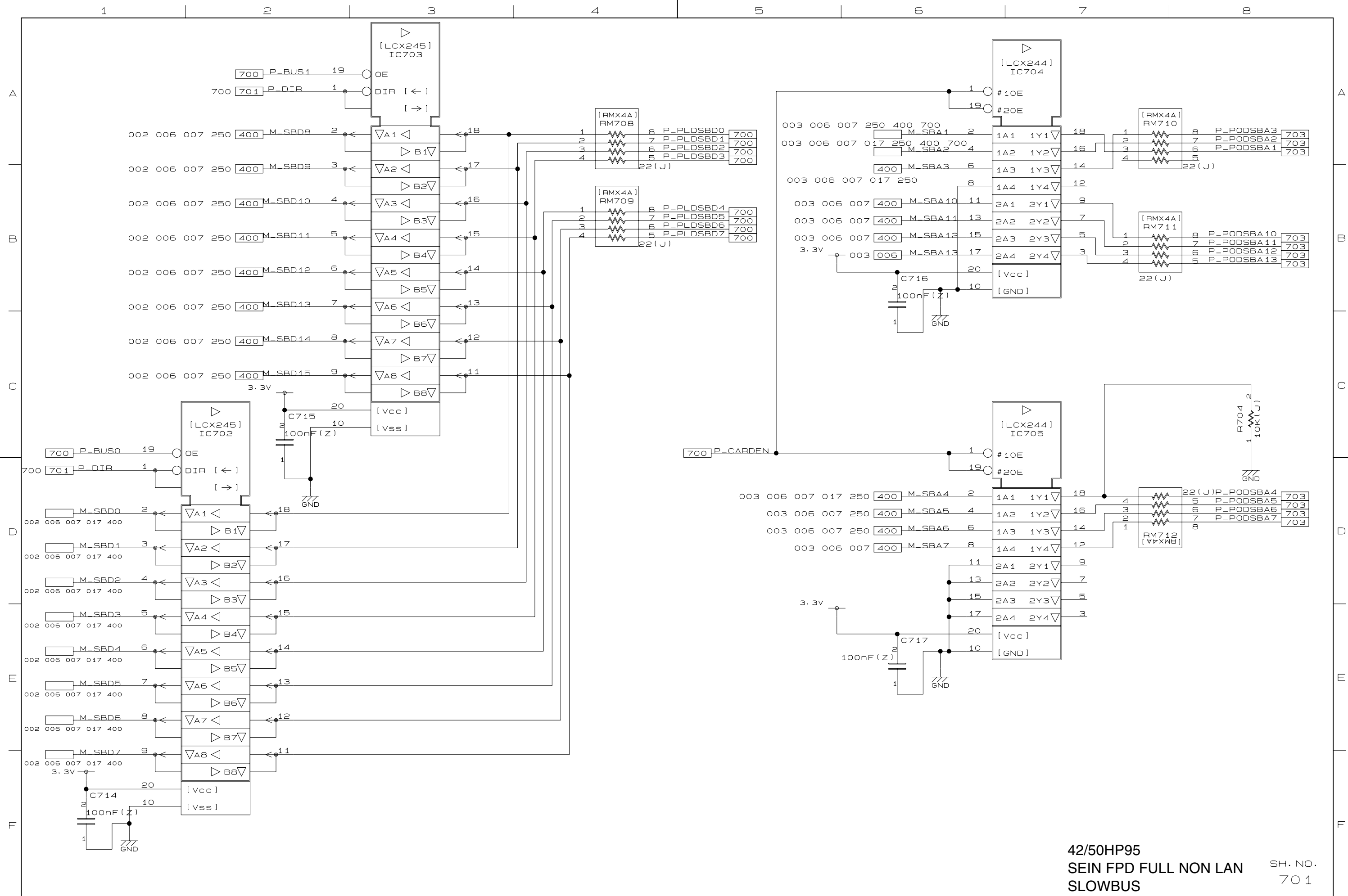
E

F



42/50HP95
 SEIN FPD FULL NON LAN
 CPLD XILINX

SH. NO.
 700



42/50HP95
 SEIN FPD FULL NON LAN
 SLOWBUS
 SH. NO.
 701

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

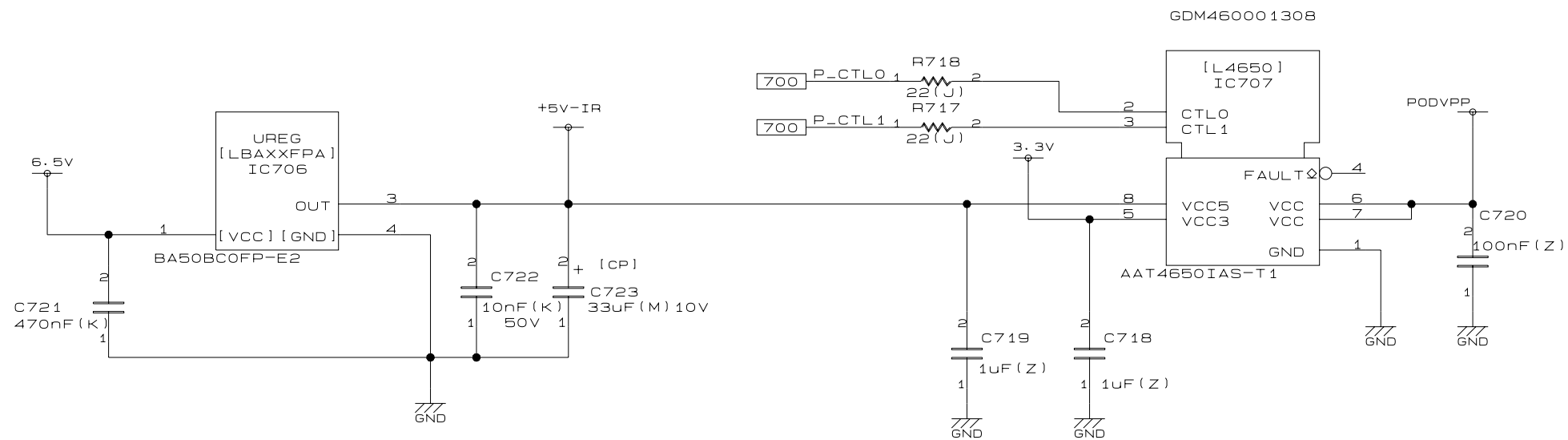
B

C

D

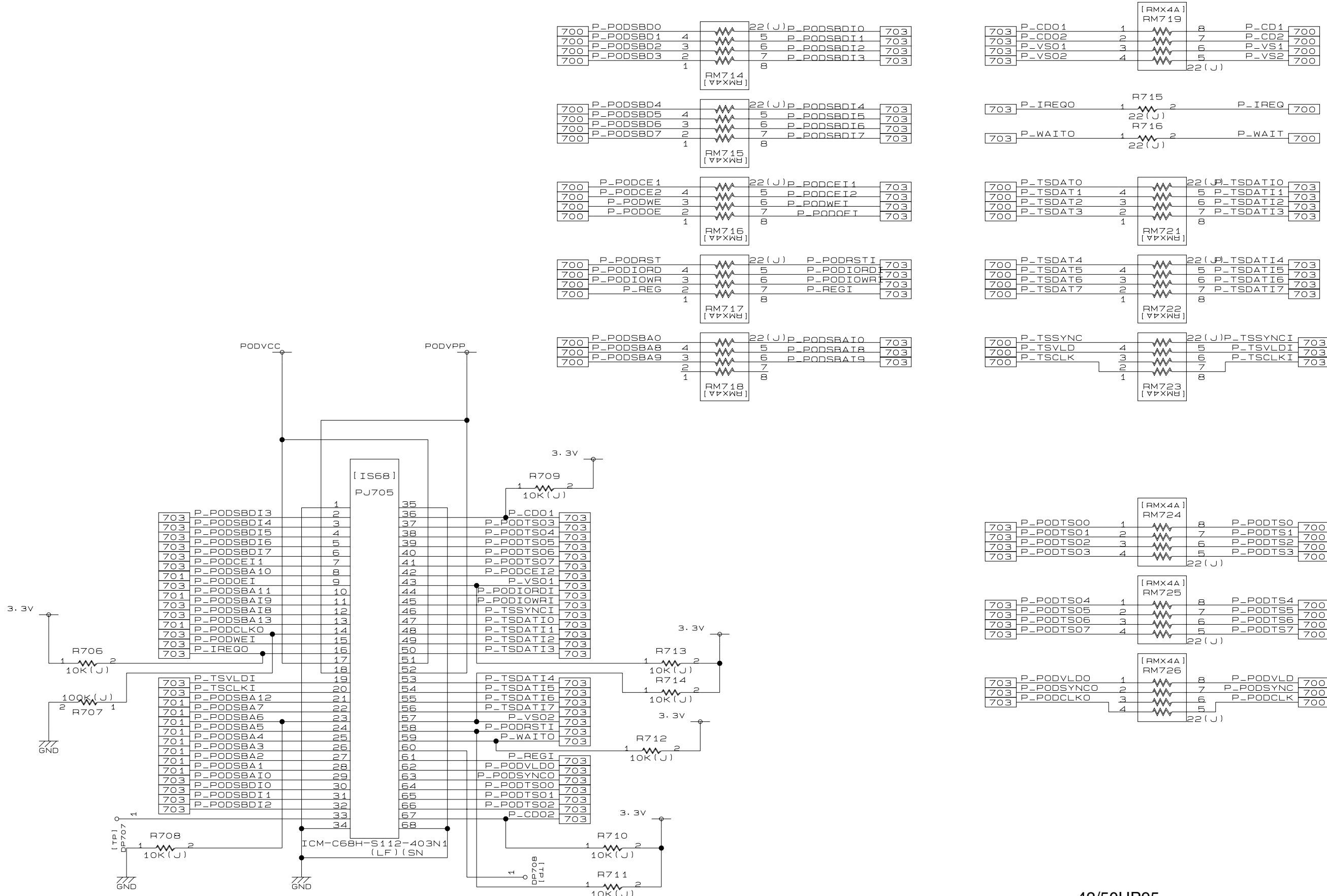
E

F



42/50HP95
 SEIN FPD FULL NON LAN
 PODVPP

SH. NO.
 702

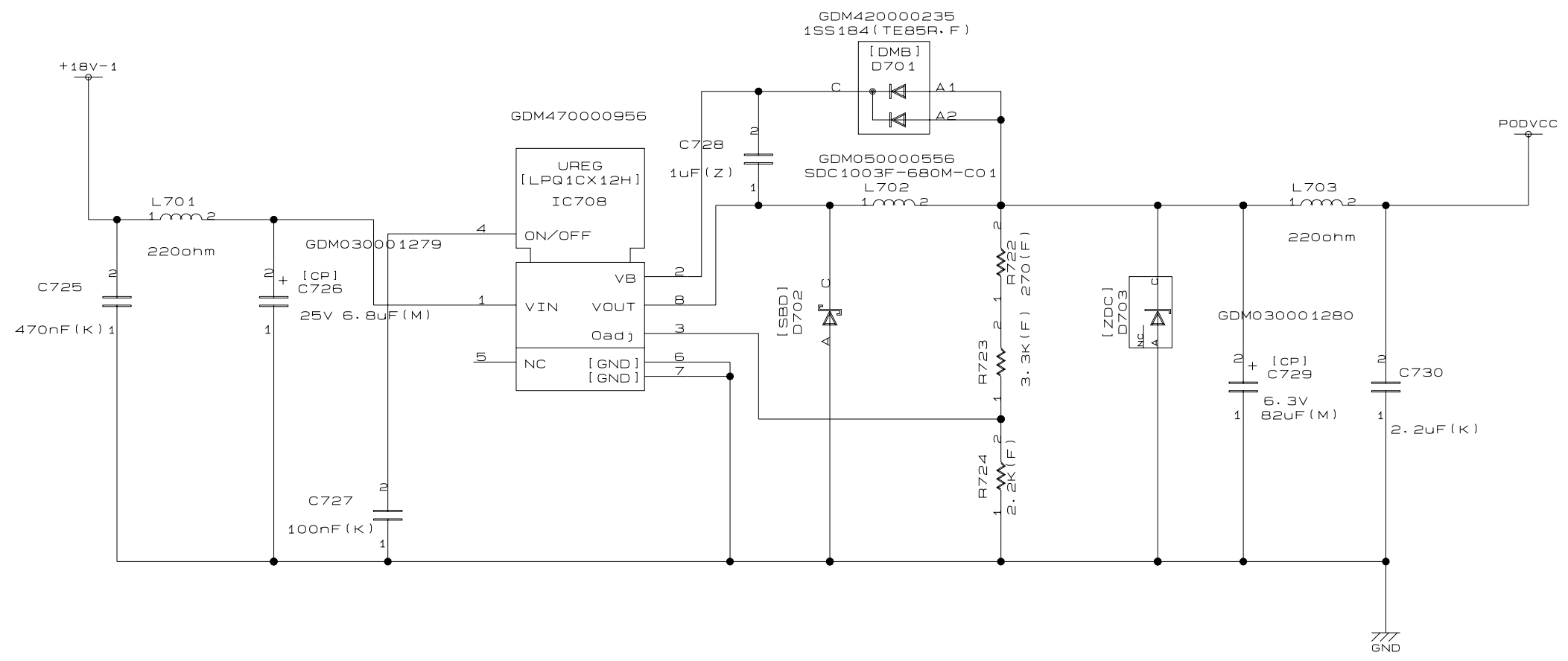


42/50HP95
 SEIN FPD FULL NON LAN
 POD I/F

SH. NO.
 703

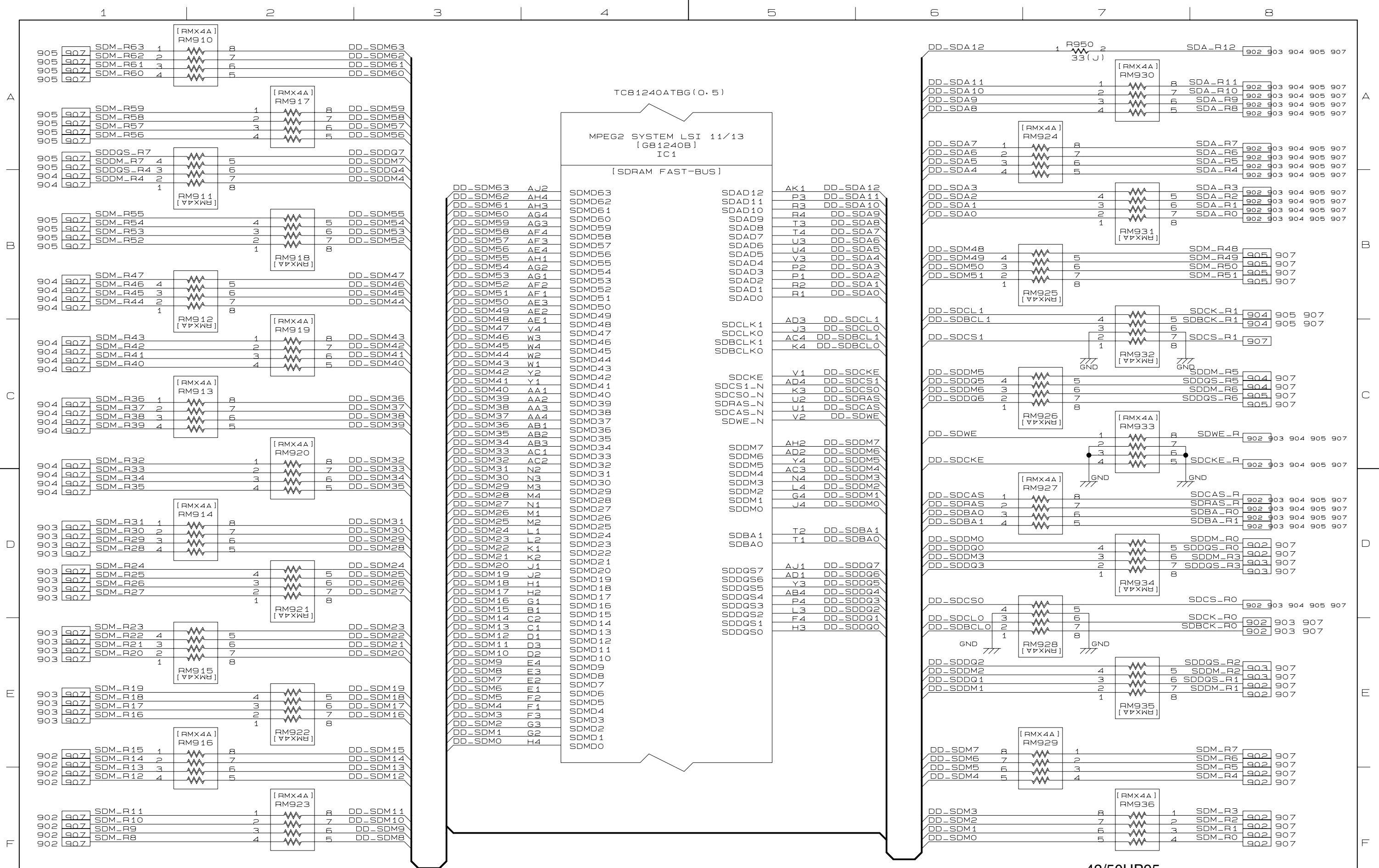
A
B
C
D
E
F

1 2 3 4 5 6 7 8



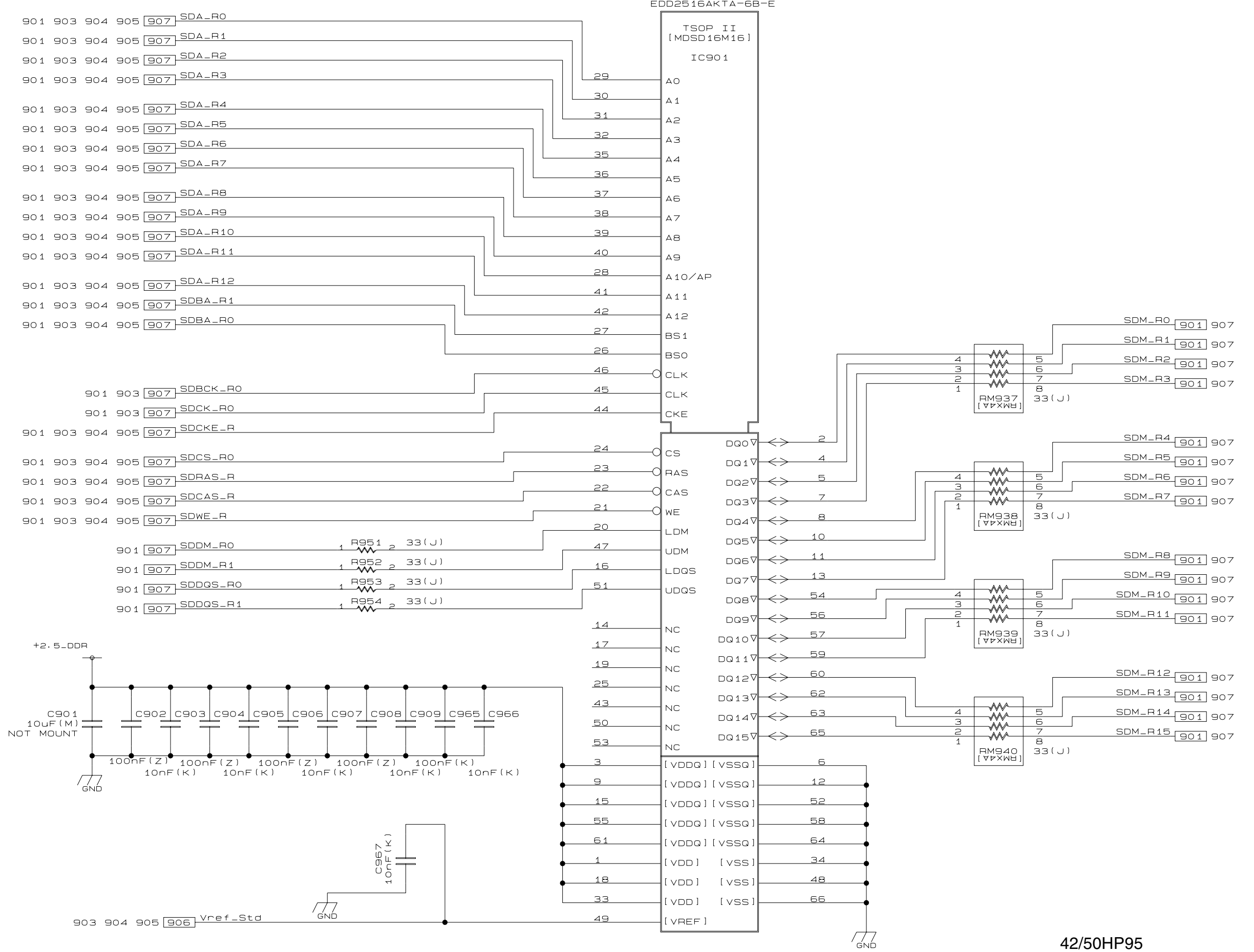
42/50HP95
SEIN FPD FULL NON LAN
PODVCC

SH. NO.
704



42/50HP95
 SEIN FPD FULL NON LAN
 DDR SDRAM I/F
 SH. NO.
 901

A
B
C
D
E
F

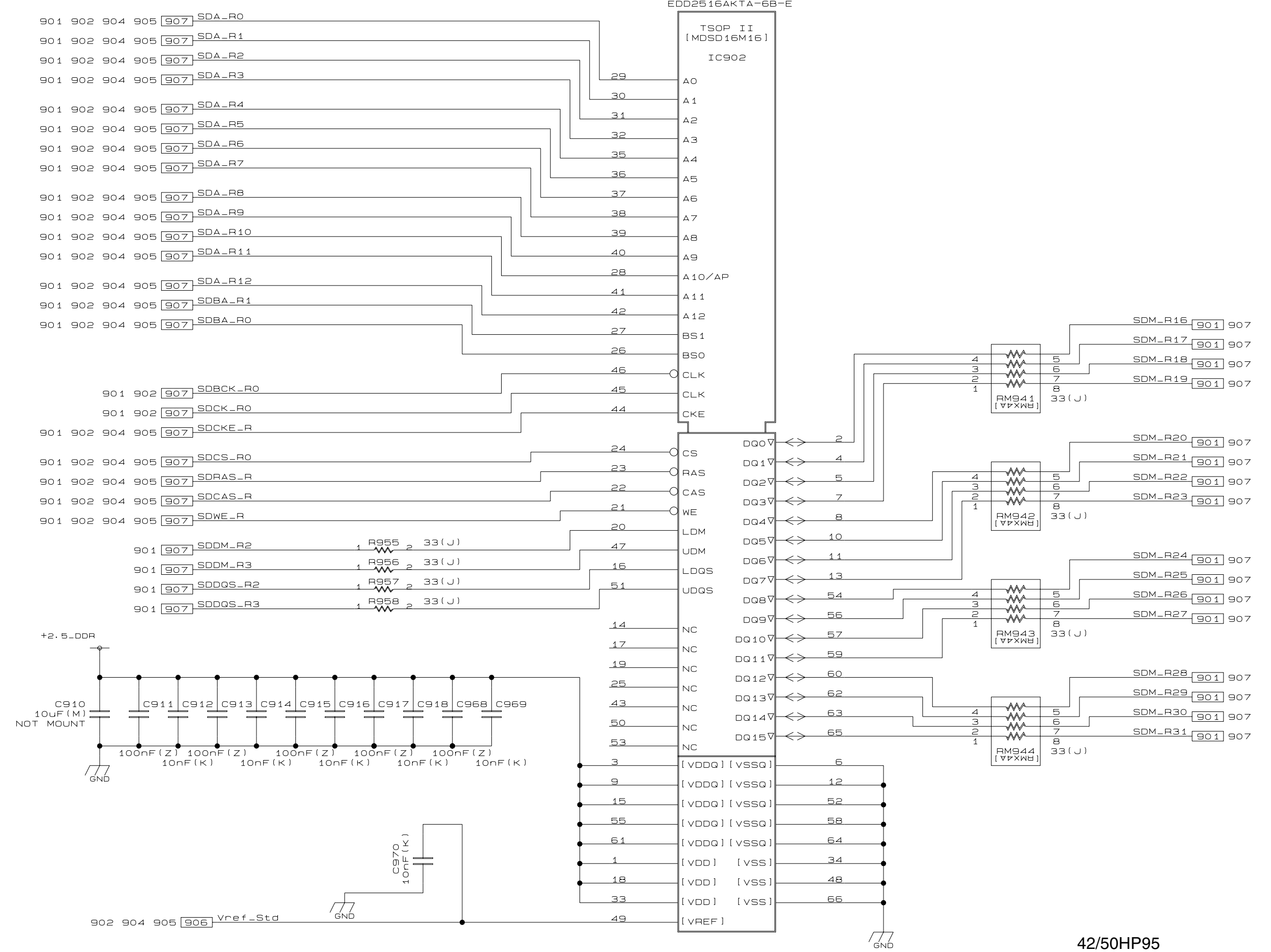


42/50HP95
SEIN FPD FULL NON LAN
DDR 1

SH. NO.
902

1 2 3 4 5 6 7 8

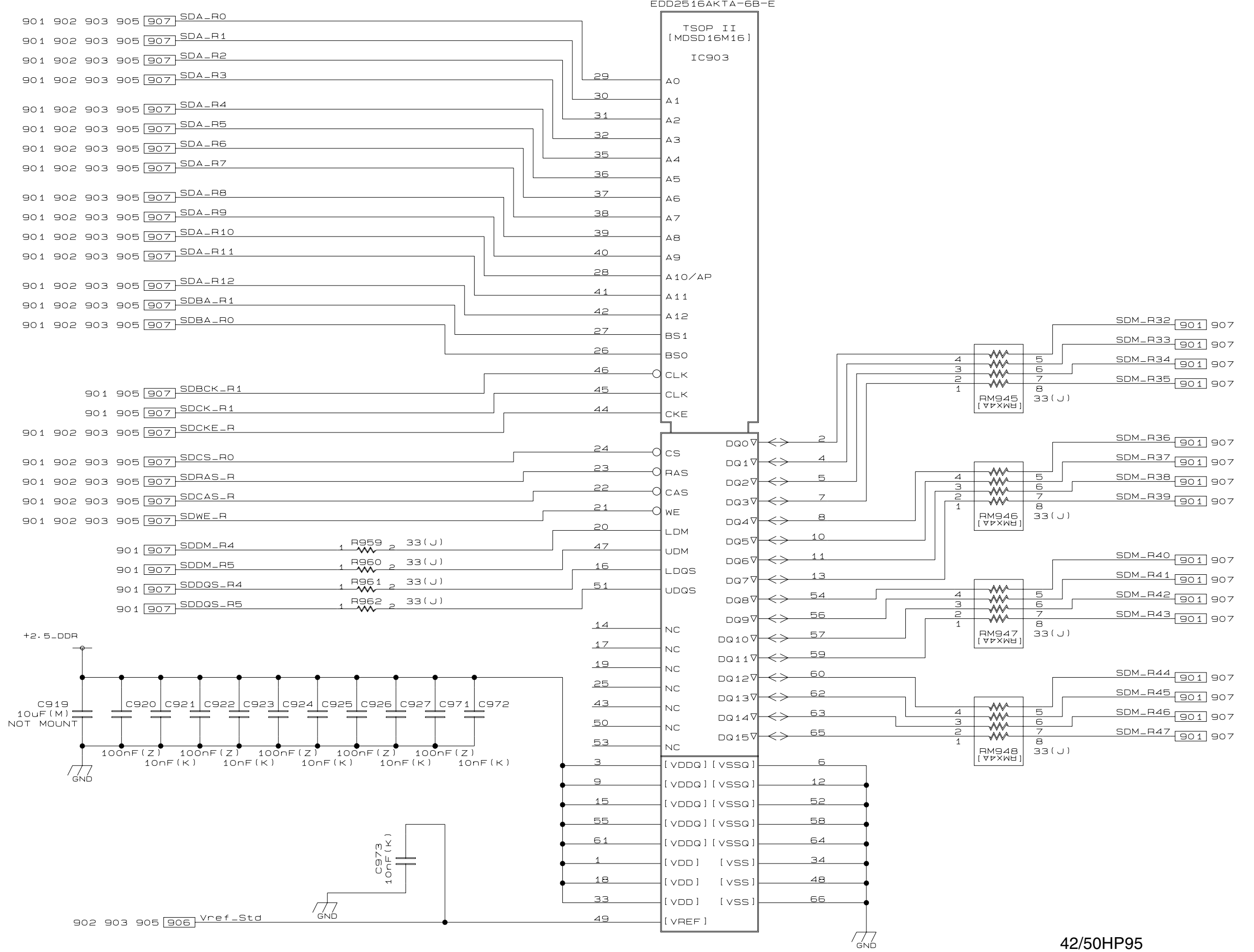
A
B
C
D
E
F



42/50HP95
SEIN FPD FULL NON LAN
DDR 2

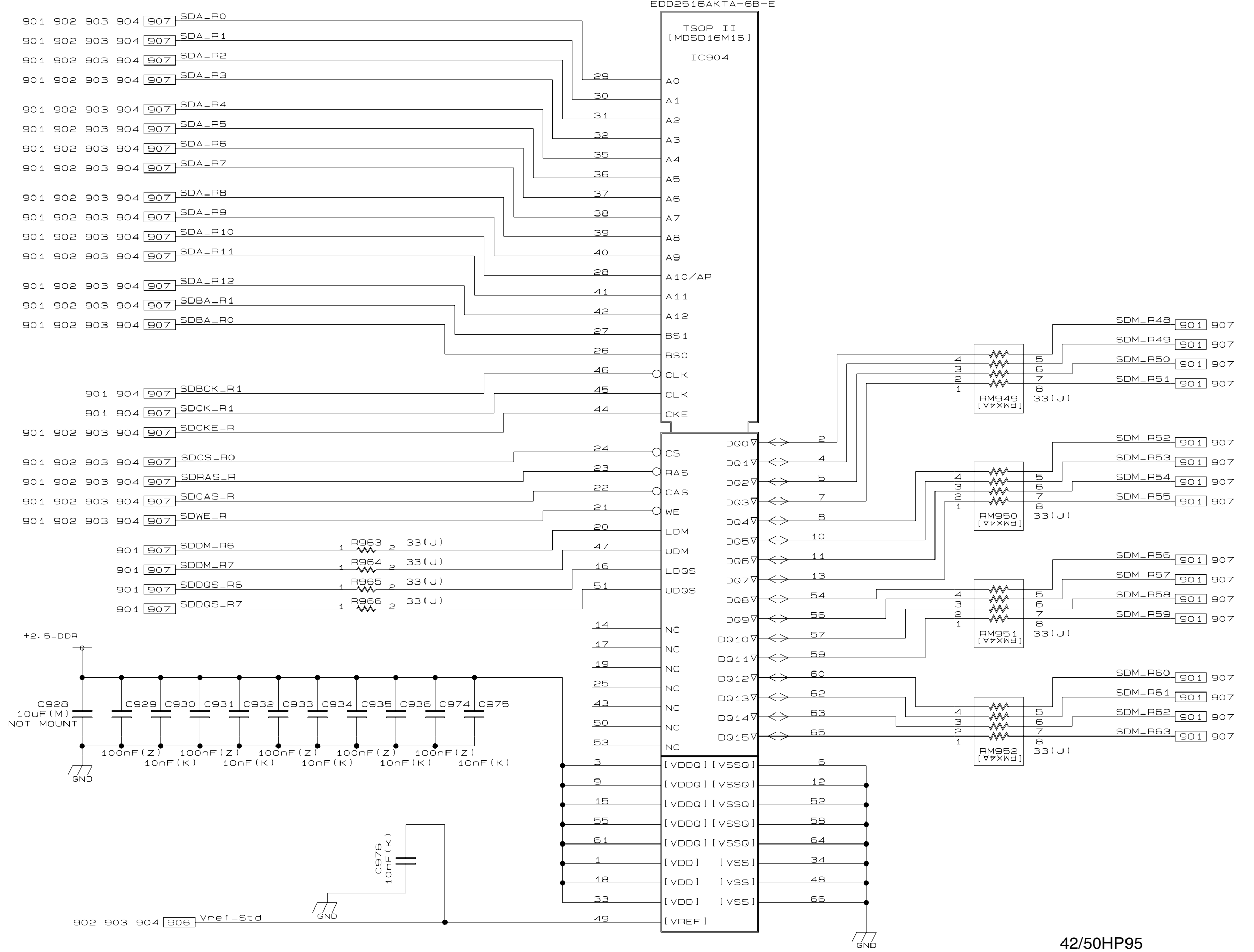
SH. NO.
903

A
B
C
D
E
F

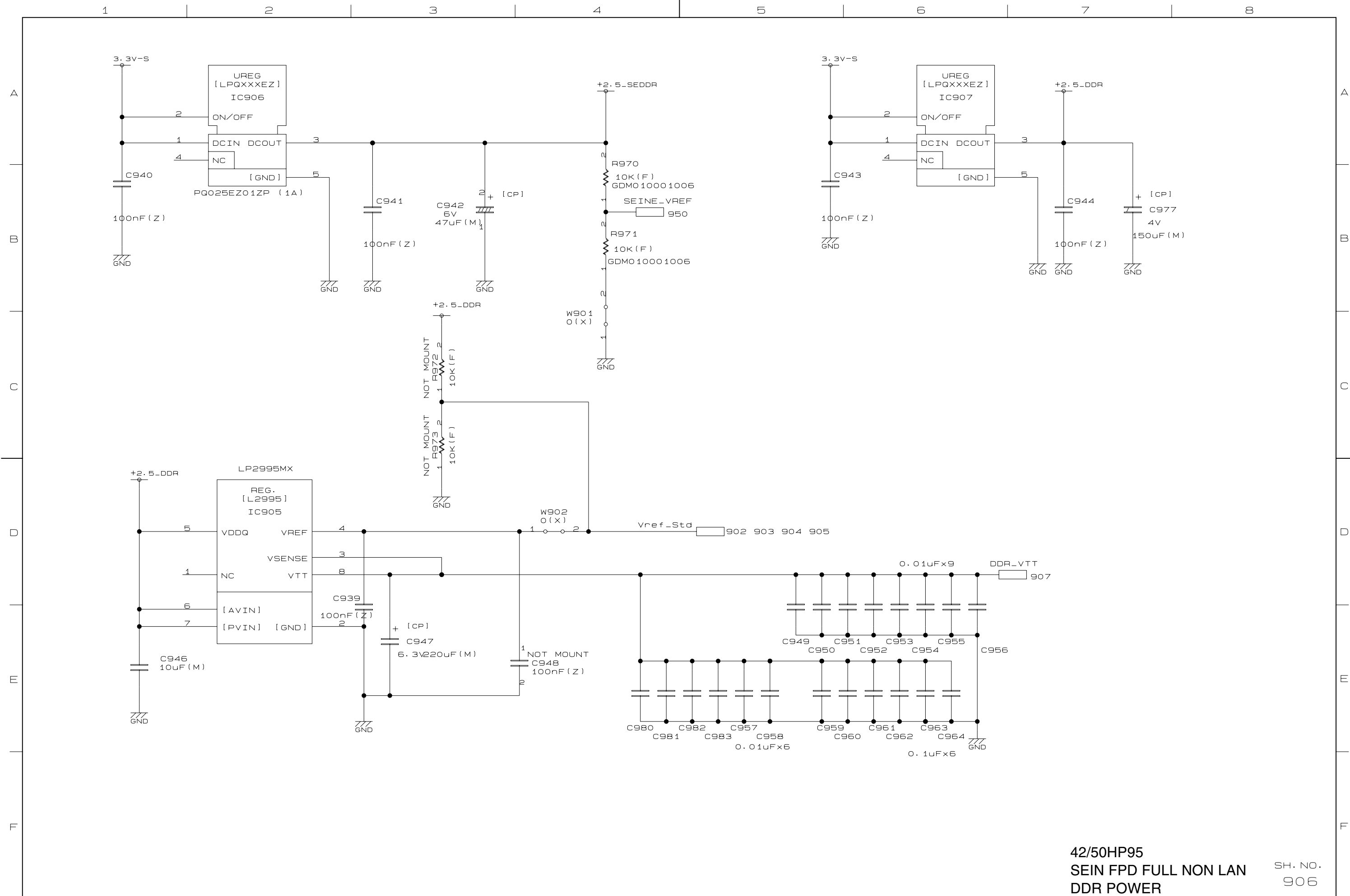


42/50HP95
SEIN FPD FULL NON LAN
DDR 3
SH. NO.
904

A
B
C
D
E
F

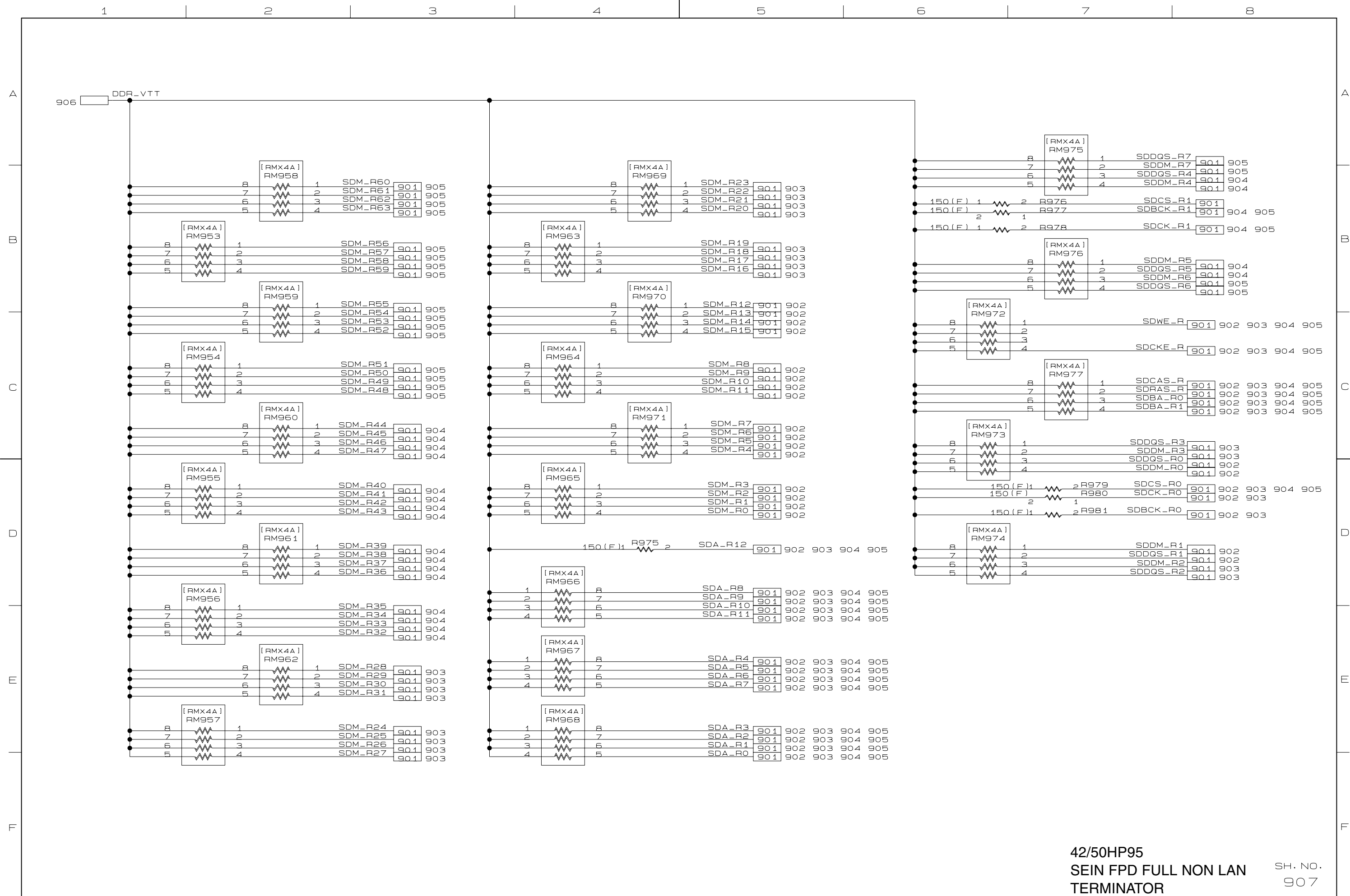


42/50HP95
 SEIN FPD FULL NON LAN
 DDR 4
 SH. NO.
 905



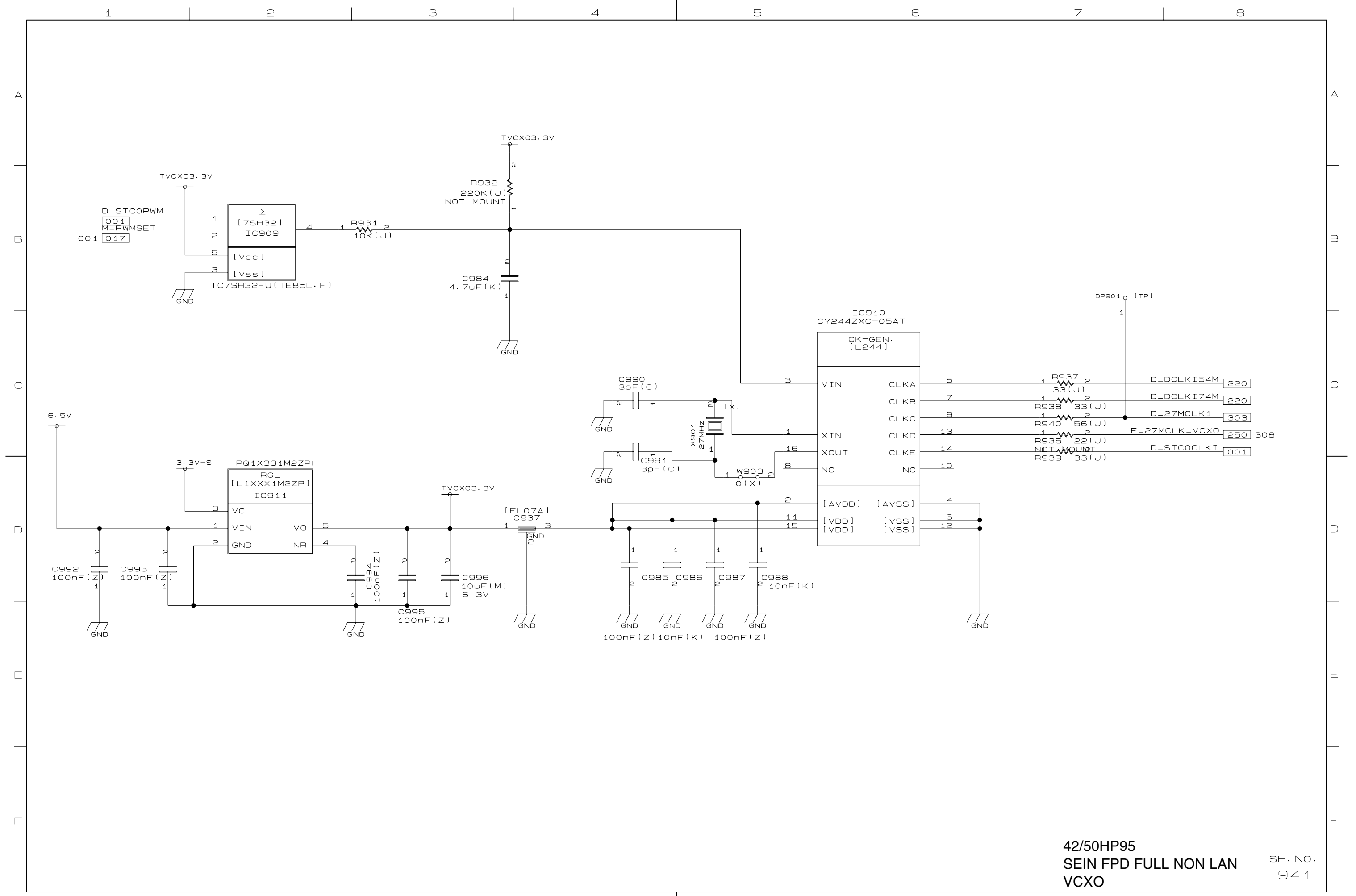
42/50HP95
 SEIN FPD FULL NON LAN
 DDR POWER

SH. NO.
 906



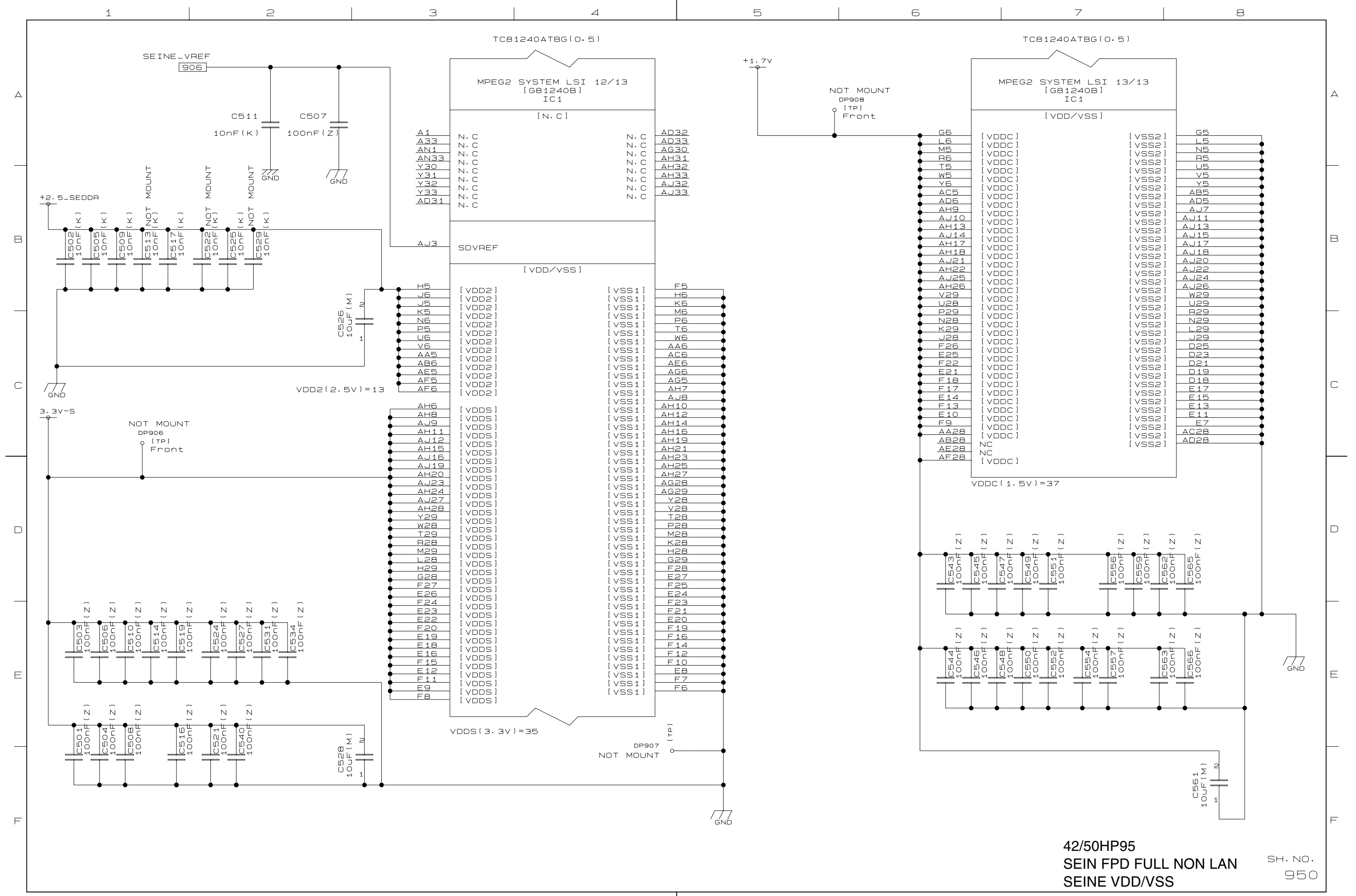
42/50HP95
 SEIN FPD FULL NON LAN
 TERMINATOR

SH. NO.
 907



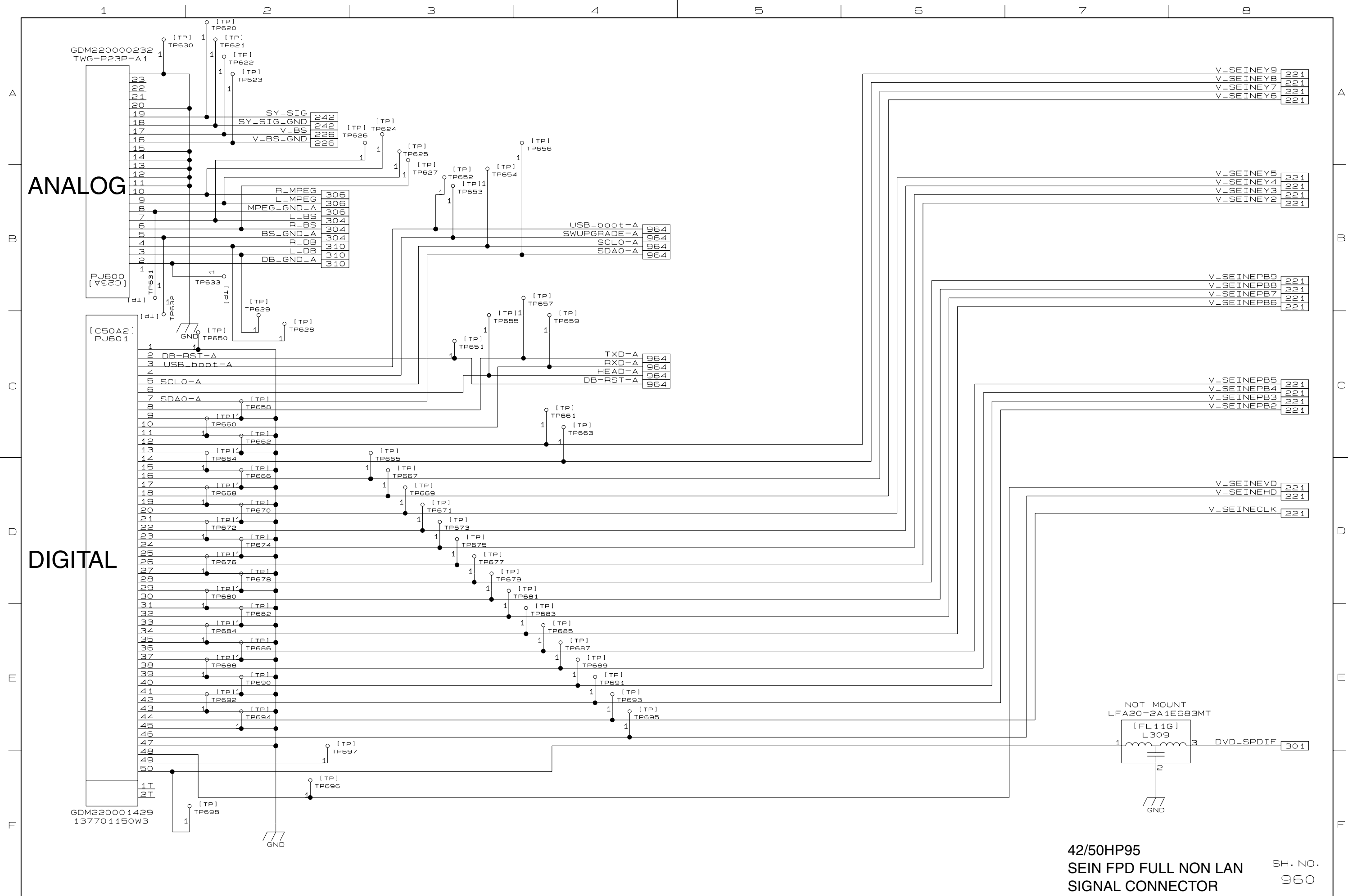
42/50HP95
 SEIN FPD FULL NON LAN
 VCXO

SH. NO.
 941



42/50HP95
 SEIN FPD FULL NON LAN
 SEINE VDD/VSS

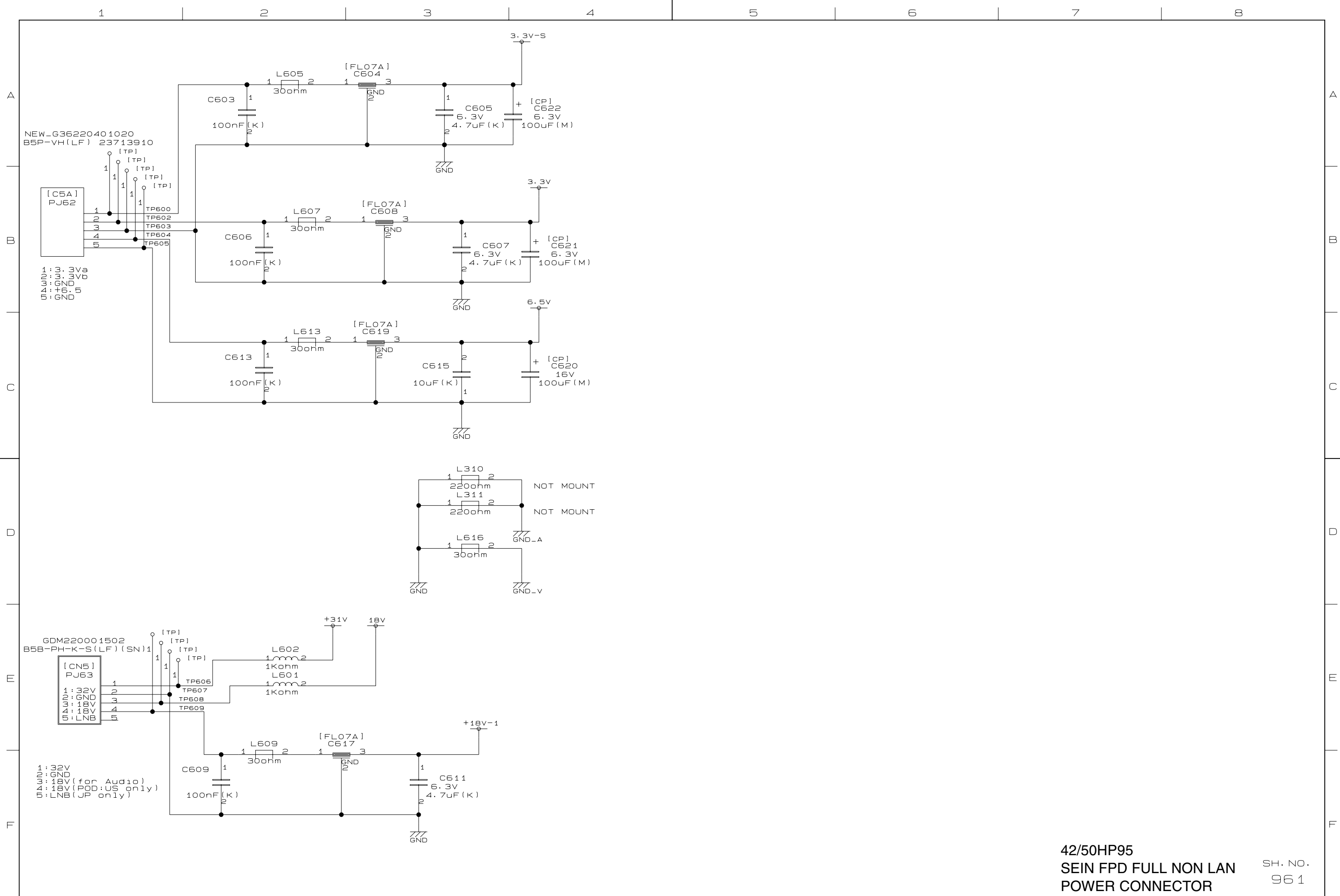
SH. NO.
 950



ANALOG

DIGITAL

42/50HP95
 SEIN FPD FULL NON LAN
 SIGNAL CONNECTOR
 SH. NO.
 960



42/50HP95
SEIN FPD FULL NON LAN
POWER CONNECTOR

SH. NO.
961

1

2

3

4

5

6

7

8

A

B

C

D

E

F

A

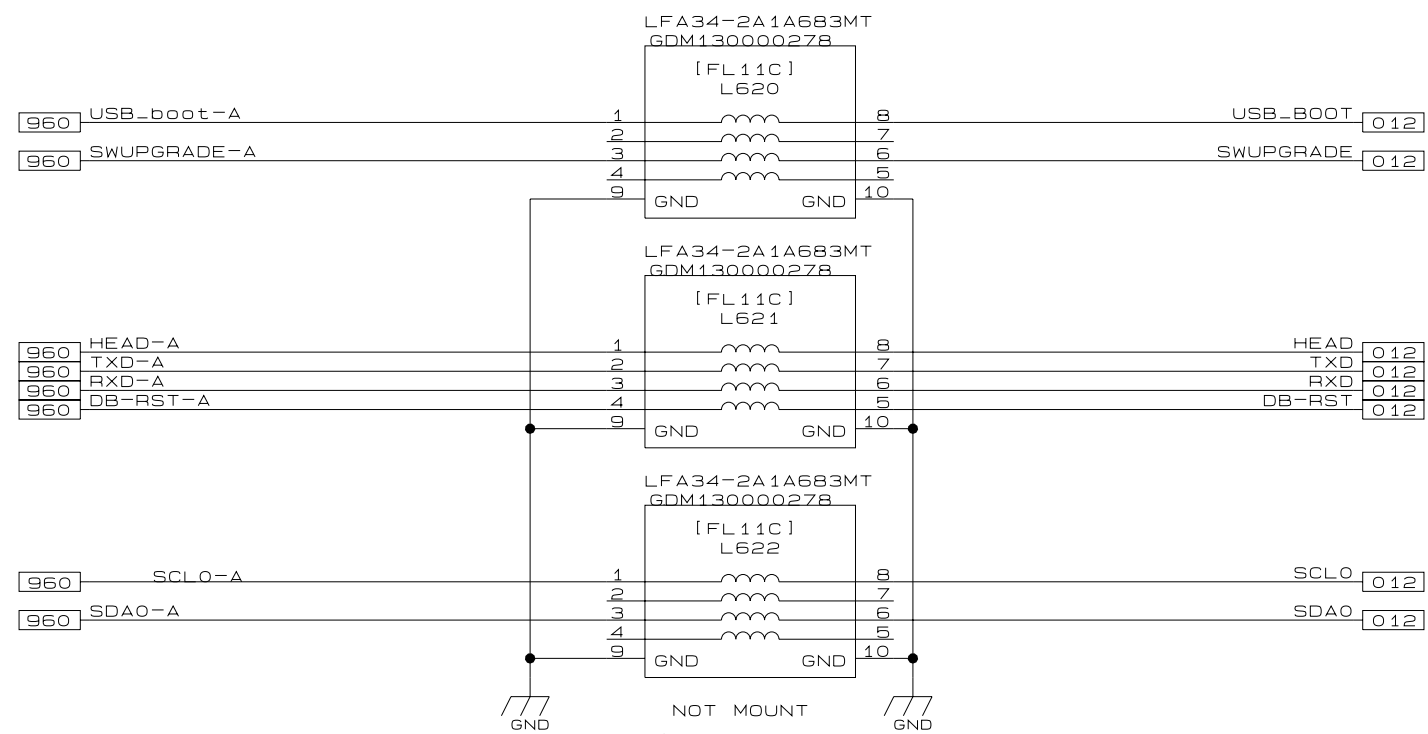
B

C

D

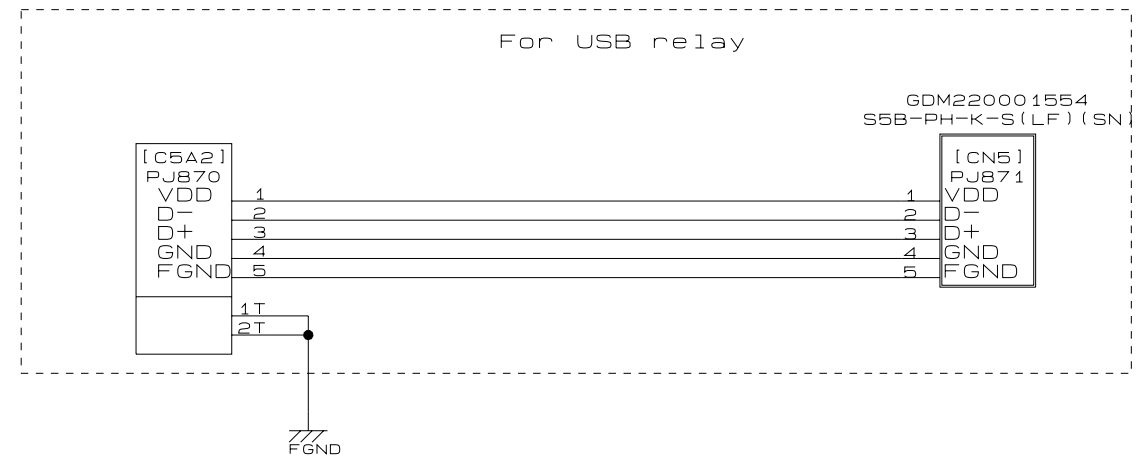
E

F



42/50HP95
 SEIN FPD FULL NON LAN
 Signal filter

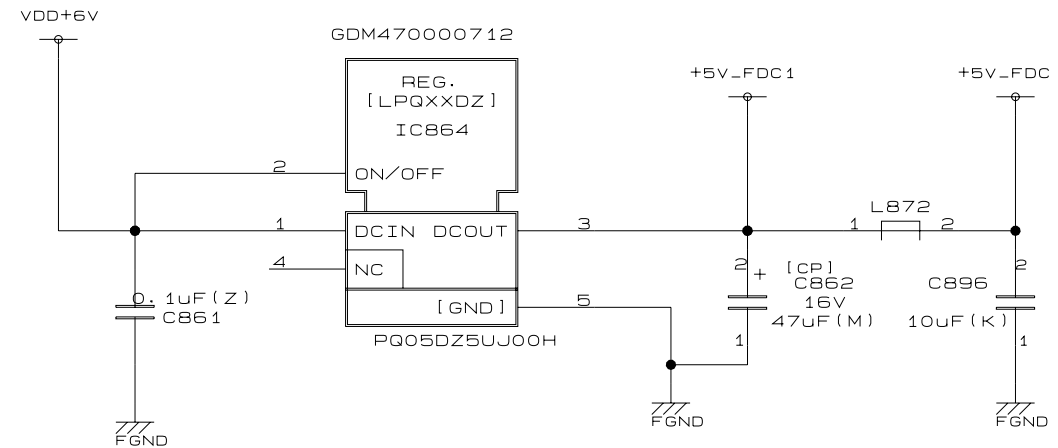
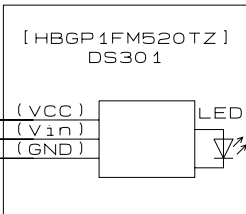
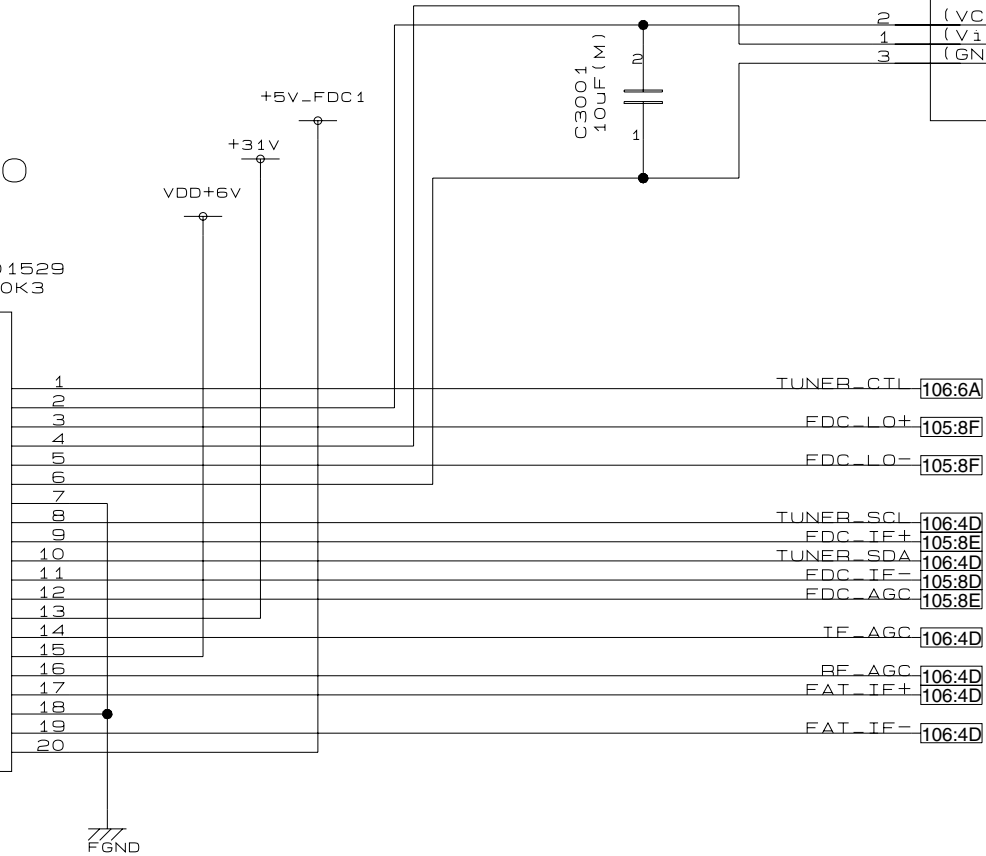
SH. NO.
 964



To sht100
PJ800

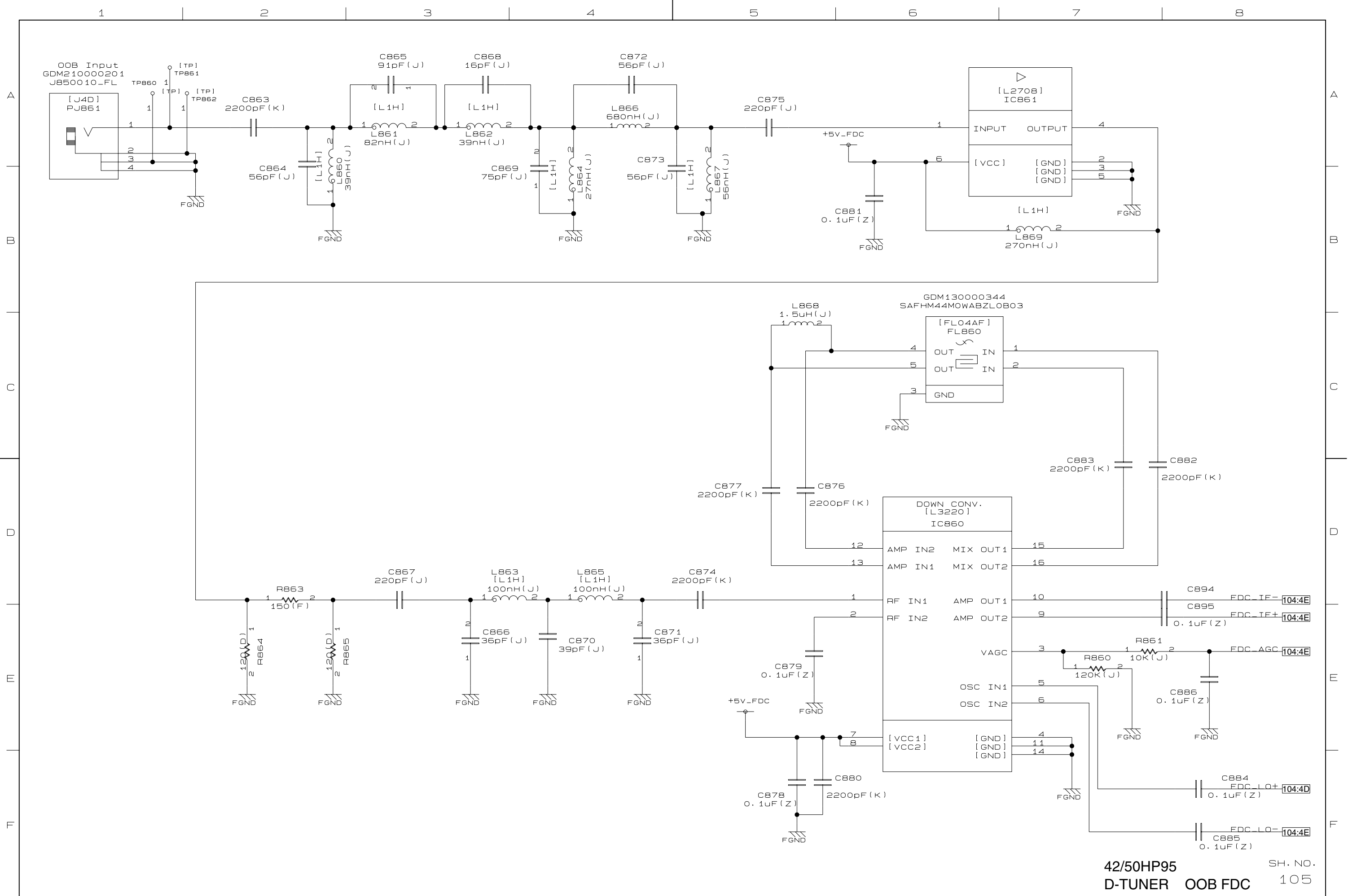
GDM220001529
125622320K3

[C20A]
PJ860



42/50HP95
D-TUNER
TUNER CONNECTOR(TUNER)

SH. NO.
104



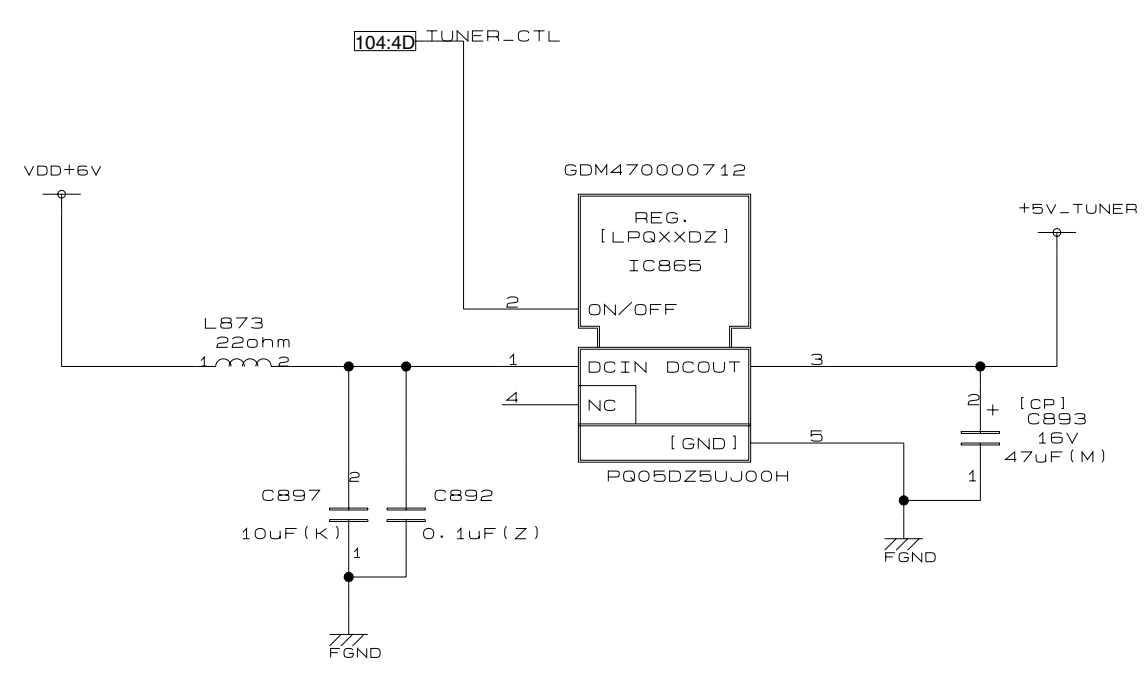
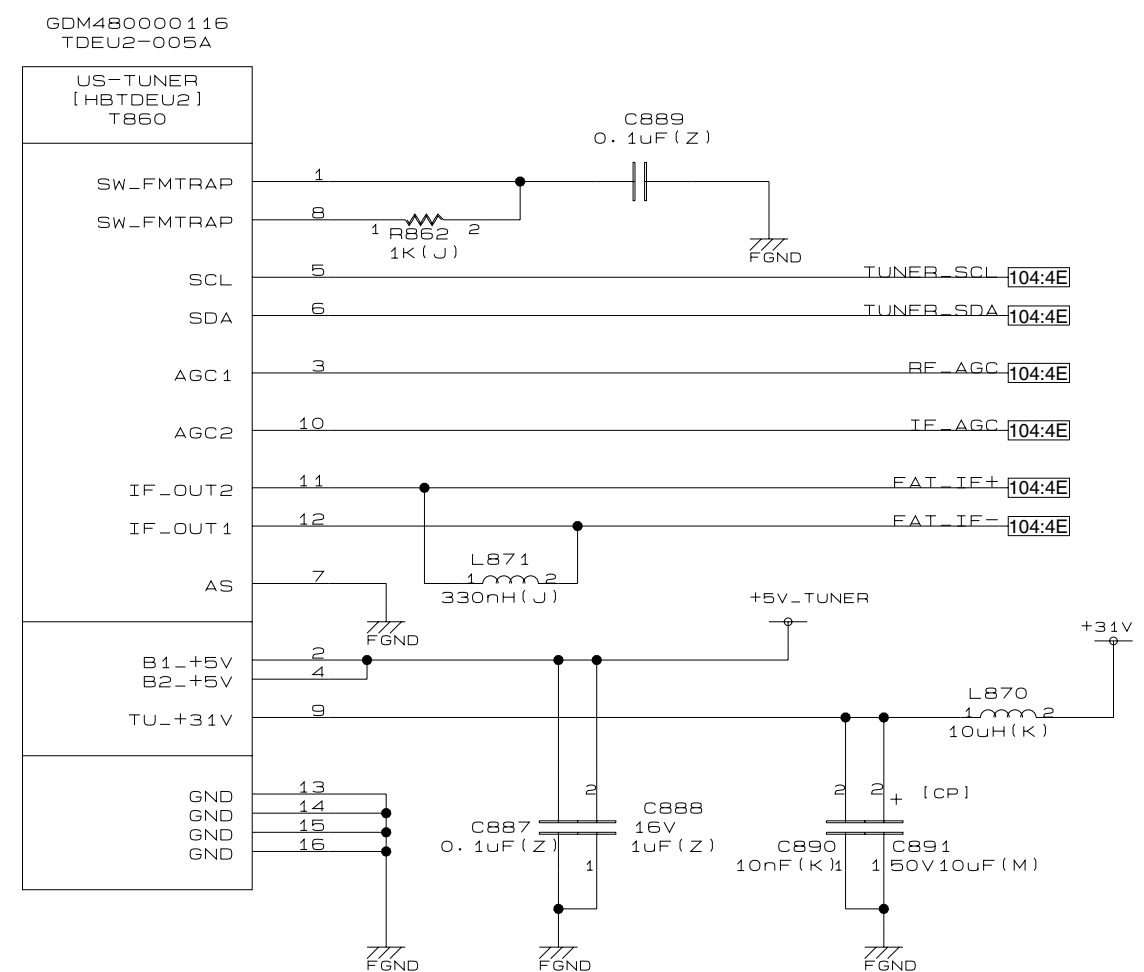
42/50HP95
D-TUNER OOB FDC

SH. NO.
105

1 2 3 4 5 6 7 8

A
B
C
D
E
F

A
B
C
D
E
F



42/50HP95
D-TUNER
FAT TUNER

SH. NO.
106