





SCHEMATIC DIAGRAM

MODEL : 43CJH9UR/43JH9UE/43JH9UT

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.

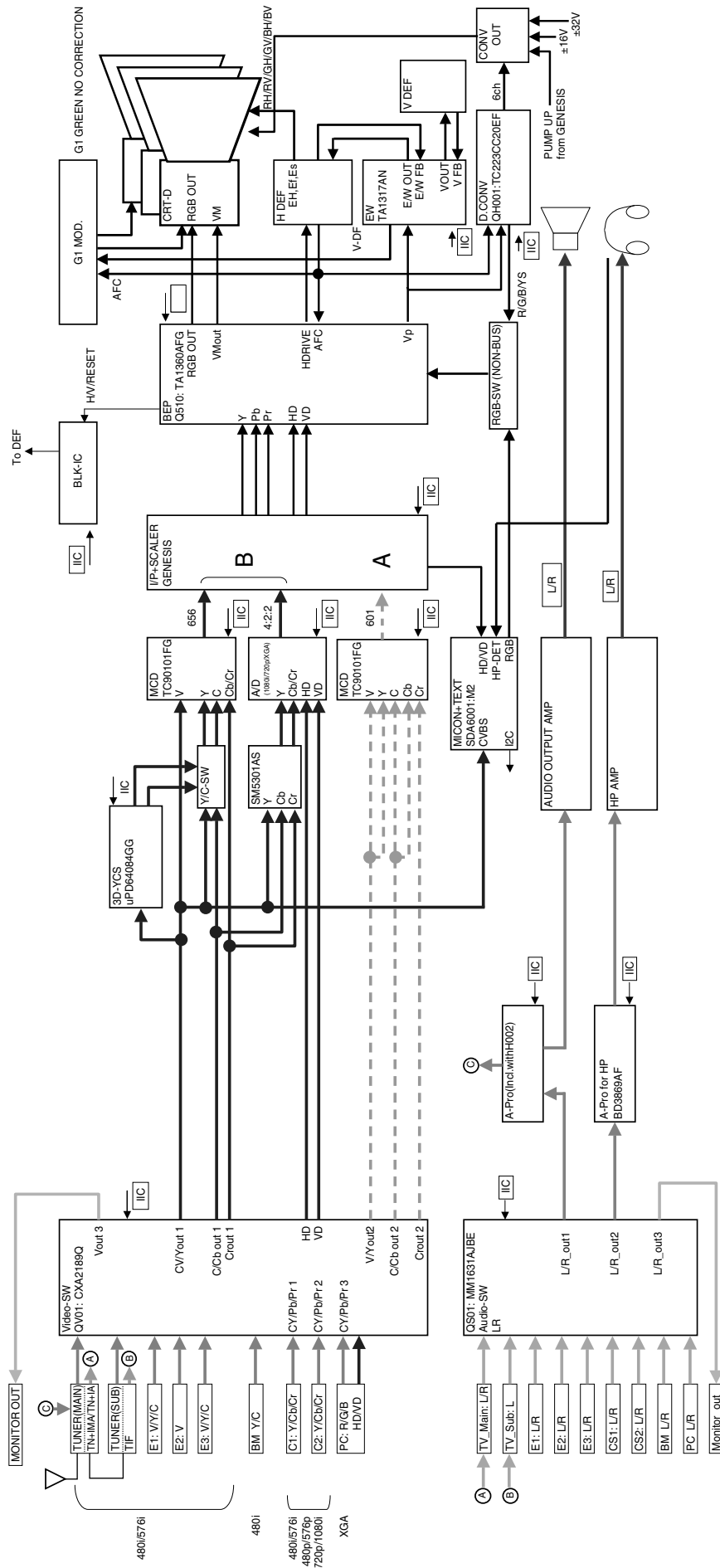
NOTE:

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 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 F, 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 chassis 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:

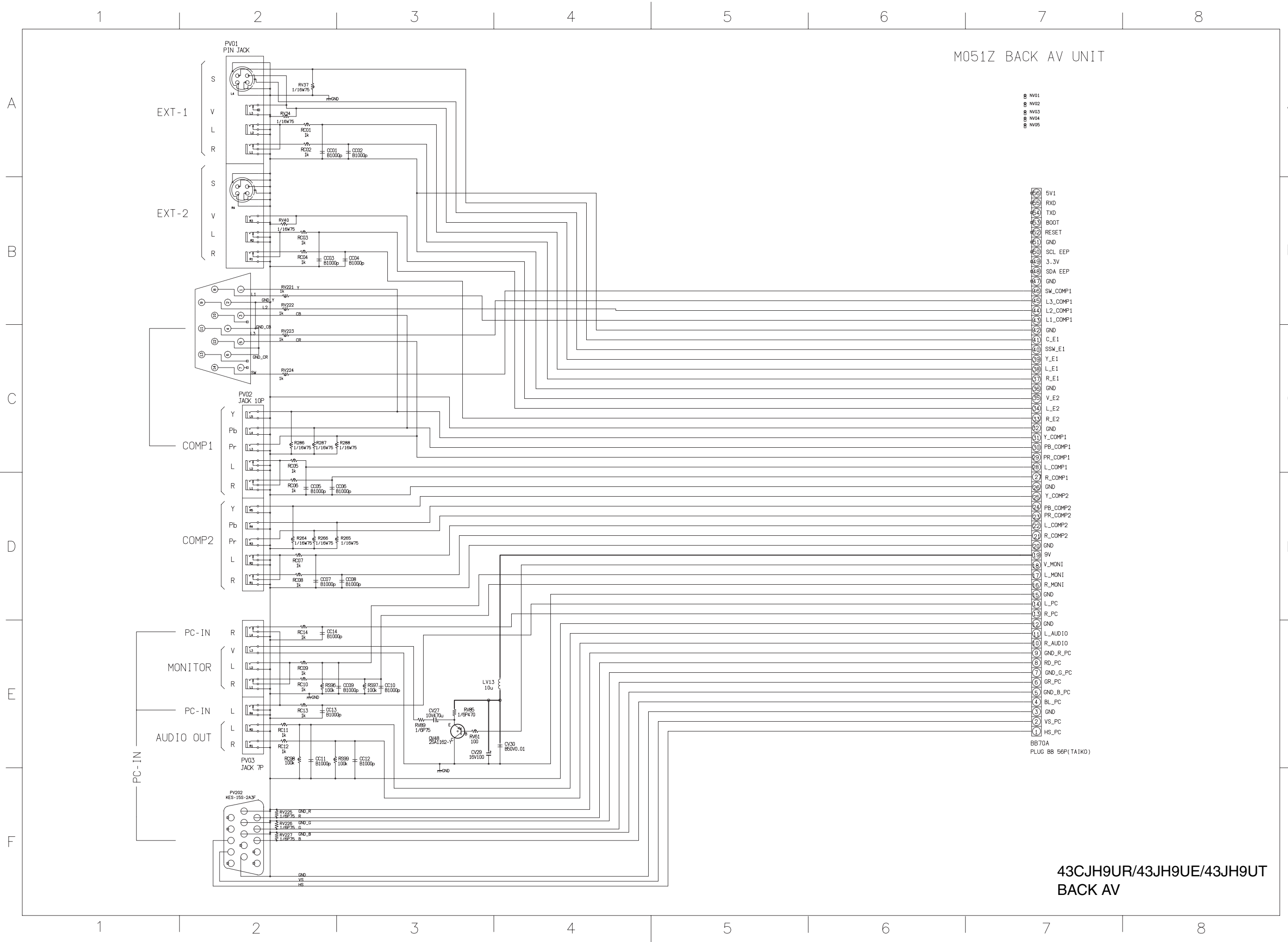
G1 Module Circuit	1/67
BACK AV Circuit	2/67
OVERALL CONNECTOR Circuit	3/67
CONNECTOR Circuit	4/67
CONVER_IF_AUDIO Circuit ———	
CONVER-OUT [SHEET-1/3]	5/67
TUNER (IF) [SHEET-2/3]	6/67
AUDIO OUT [SHEET-3/3]	7/67
CRT-D SVM (R,G) Circuit	8/67
CRT-D SVM (B) Circuit	9/67
FRONT CON/IN Circuit	10/67
POWER DEF Circuit (43CJH9UR) ———	
[SHEET-1/3]	11/67
[SHEET-2/3]	12/67
[SHEET-3/3]	13/67
POWER DEF Circuit (43JH9UE/43JH9UT) ———	
[SHEET-1/3]	14/67
[SHEET-2/3]	15/67
[SHEET-3/3]	16/67
HYPER SIGNAL ———	
AV [SHEET-1/51]	17/67
AV [SHEET-2/51]	18/67
AV [SHEET-3/51]	19/67
Function [SHEET-4/51]	20/67
AV [SHEET-5/51]	21/67
Function [SHEET-6/51]	22/67
Function [SHEET-7/51]	23/67
Function [SHEET-8/51]	24/67
CONNECTOR [SHEET-9/51]	25/67
REGULATOR [SHEET-10/51]	26/67
G-Hyper [SHEET-11/51]	27/67
G-Hyper [SHEET-12/51]	28/67
G-Hyper [SHEET-13/51]	29/67
AD-CONVERTER-A [SHEET-14/51]	30/67
AD-CONVERTER-A [SHEET-15/51]	31/67
GC-TC90A92A-1 [SHEET-16/51]	32/67
GC-TC90A92A-2 [SHEET-17/51]	33/67
GC-REG [SHEET-18/51]	34/67
GNESIS-1 [SHEET-19/51]	35/67
GNESIS-2 [SHEET-20/51]	36/67
GNESIS-3 [SHEET-21/51]	37/67
SDRAM [SHEET-22/51]	38/67
GNESIS OUT [SHEET-23/51]	39/67
GNESIS REG [SHEET-24/51]	40/67
CPU [SHEET-25/51]	41/67
DIGITAL-CONVER [SHEET-26/51]	42/67
DIGITAL-CONVER [SHEET-27/51]	43/67
DIGITAL-CONVER [SHEET-28/51]	44/67
DIGITAL-CONVER [SHEET-29/51]	45/67
DIGITAL-CONVER [SHEET-30/51]	46/67
DIGITAL-CONVER [SHEET-31/51]	47/67
CONVER-REG [SHEET-32/51]	48/67
Function [SHEET-33/51]	49/67
Function [SHEET-34/51]	50/67
Function [SHEET-35/51]	51/67
Function [SHEET-36/51]	52/67
Function [SHEET-37/51]	53/67
Function [SHEET-38/51]	54/67
Function [SHEET-39/51]	55/67
Function [SHEET-40/51]	56/67
M2 Micro [SHEET-41/51]	57/67
M2 Micro [SHEET-42/51]	58/67
M2 Micro [SHEET-43/51]	59/67
M2 Micro [SHEET-44/51]	60/67
M2 Micro [SHEET-45/51]	61/67
M2 Micro [SHEET-46/51]	62/67
M2 Micro [SHEET-47/51]	63/67
M2 Micro [SHEET-48/51]	64/67
M2 Micro [SHEET-49/51]	65/67
M2 Micro [SHEET-50/51]	66/67
CONNECTOR [SHEET-51/51]	67/67

CIRCUIT BLOCK DIAGRAM



[illegible]





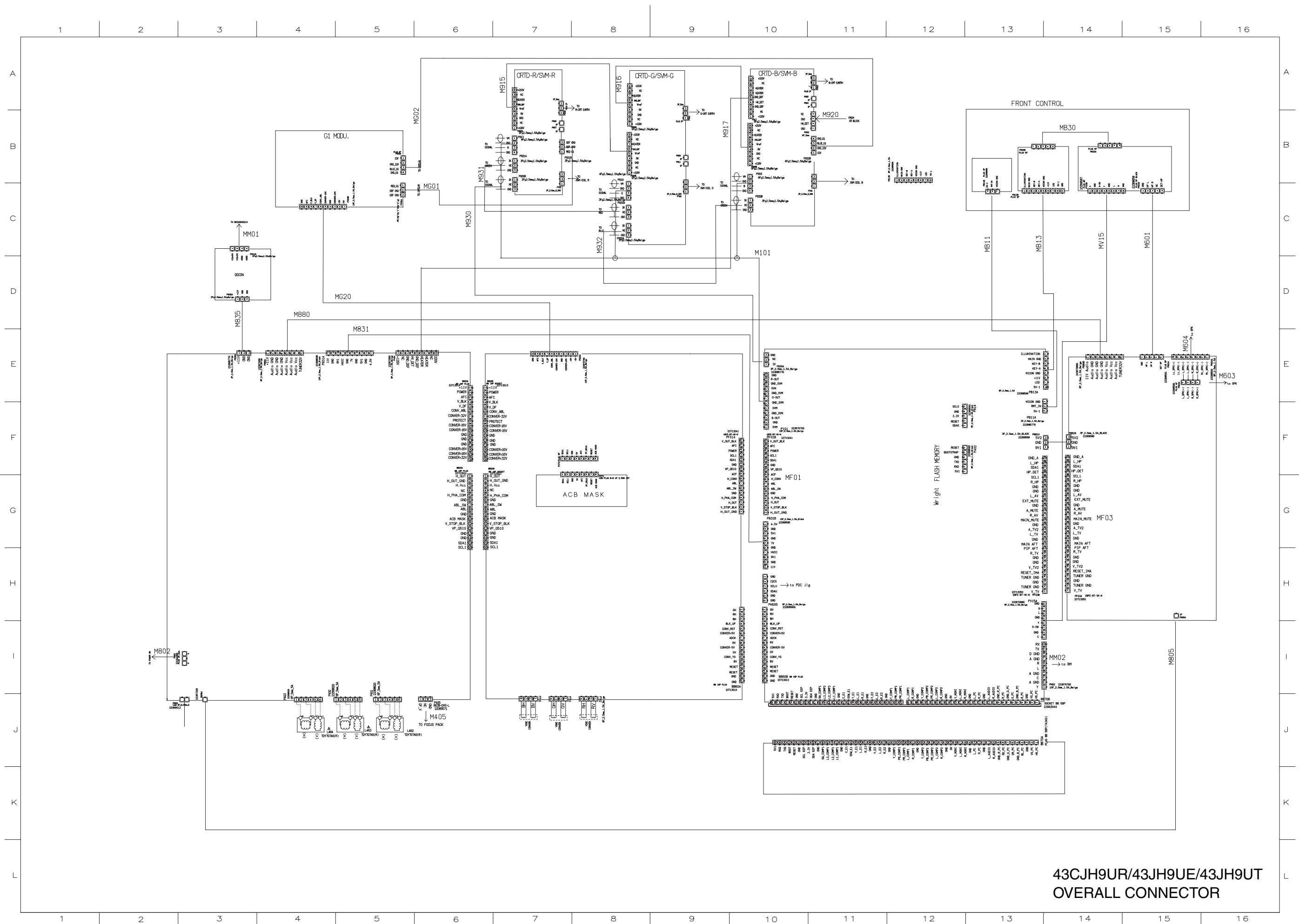
M051Z BACK AV UNIT

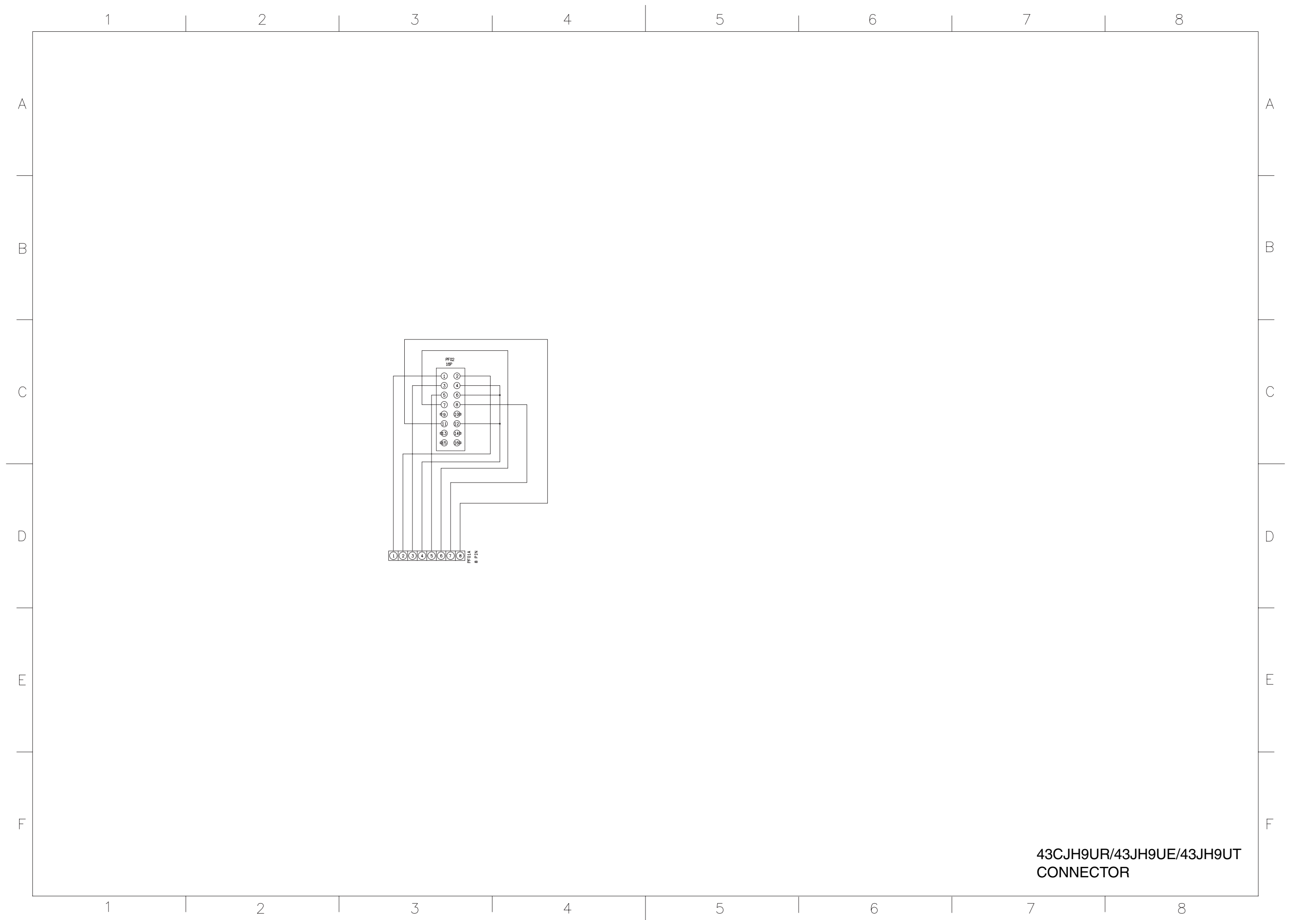
■ NV01
■ NV02
■ NV03
■ NV04
■ NV05

- 56 5V1
- 55 RXD
- 54 TXD
- 53 BOOT
- 52 RESET
- 51 GND
- 50 SCL_EEP
- 49 3.3V
- 48 SDA_EEP
- 47 GND
- 46 SW_COMP1
- 45 L3_COMP1
- 44 L2_COMP1
- 43 L1_COMP1
- 42 GND
- 41 C_E1
- 40 SSW_E1
- 39 Y_E1
- 38 L_E1
- 37 R_E1
- 36 GND
- 35 V_E2
- 34 L_E2
- 33 R_E2
- 32 GND
- 31 Y_COMP1
- 30 PB_COMP1
- 29 PR_COMP1
- 28 L_COMP1
- 27 R_COMP1
- 26 GND
- 25 Y_COMP2
- 24 PB_COMP2
- 23 PR_COMP2
- 22 L_COMP2
- 21 R_COMP2
- 20 GND
- 19 5V
- 18 V_MONI
- 17 L_MONI
- 16 R_MONI
- 15 GND
- 14 L_PC
- 13 R_PC
- 12 GND
- 11 L_AUDIO
- 10 R_AUDIO
- 9 GND_R_PC
- 8 RD_PC
- 7 GND_G_PC
- 6 GR_PC
- 5 GND_B_PC
- 4 BL_PC
- 3 GND
- 2 VS_PC
- 1 HS_PC

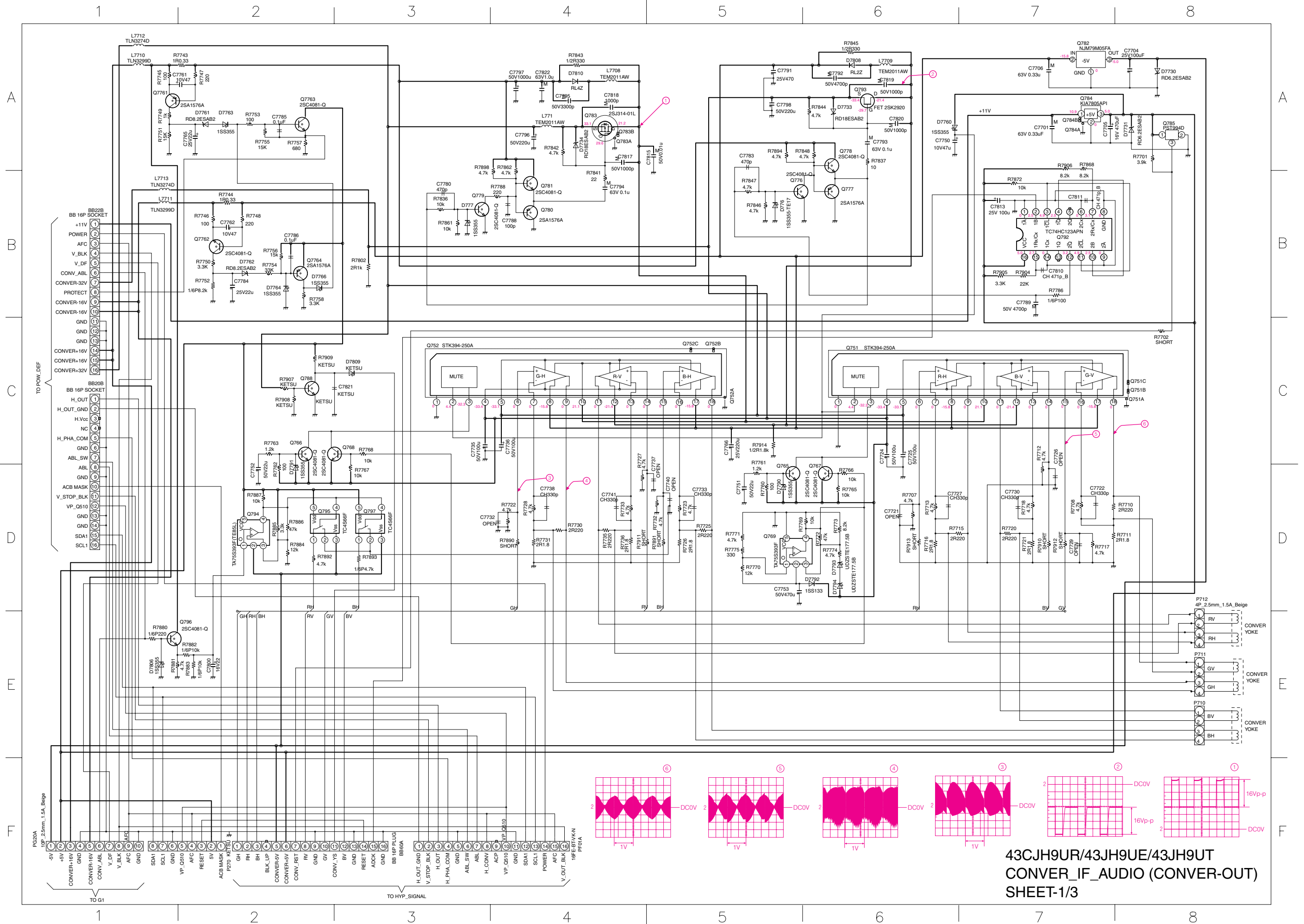
BB70A
PLUG BB 56P(TA1K0)

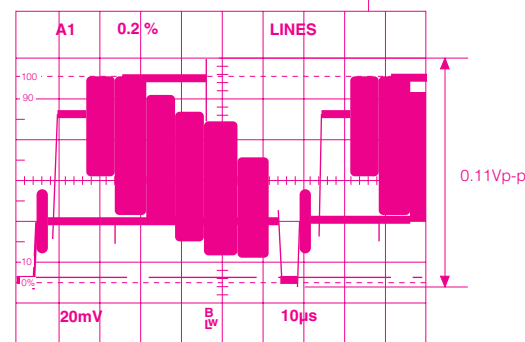
43CJH9UR/43JH9UE/43JH9UT
BACK AV



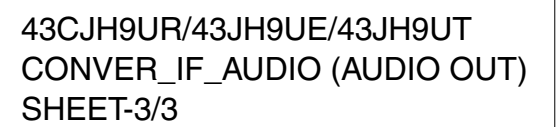


43CJH9UR/43JH9UE/43JH9UT
CONNECTOR





(6/67)



1

2

3

4

5

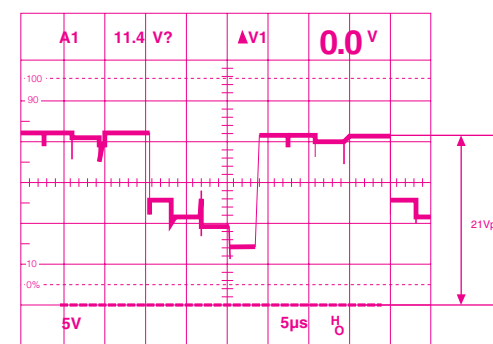
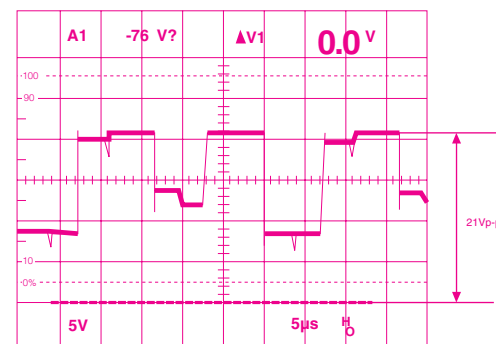
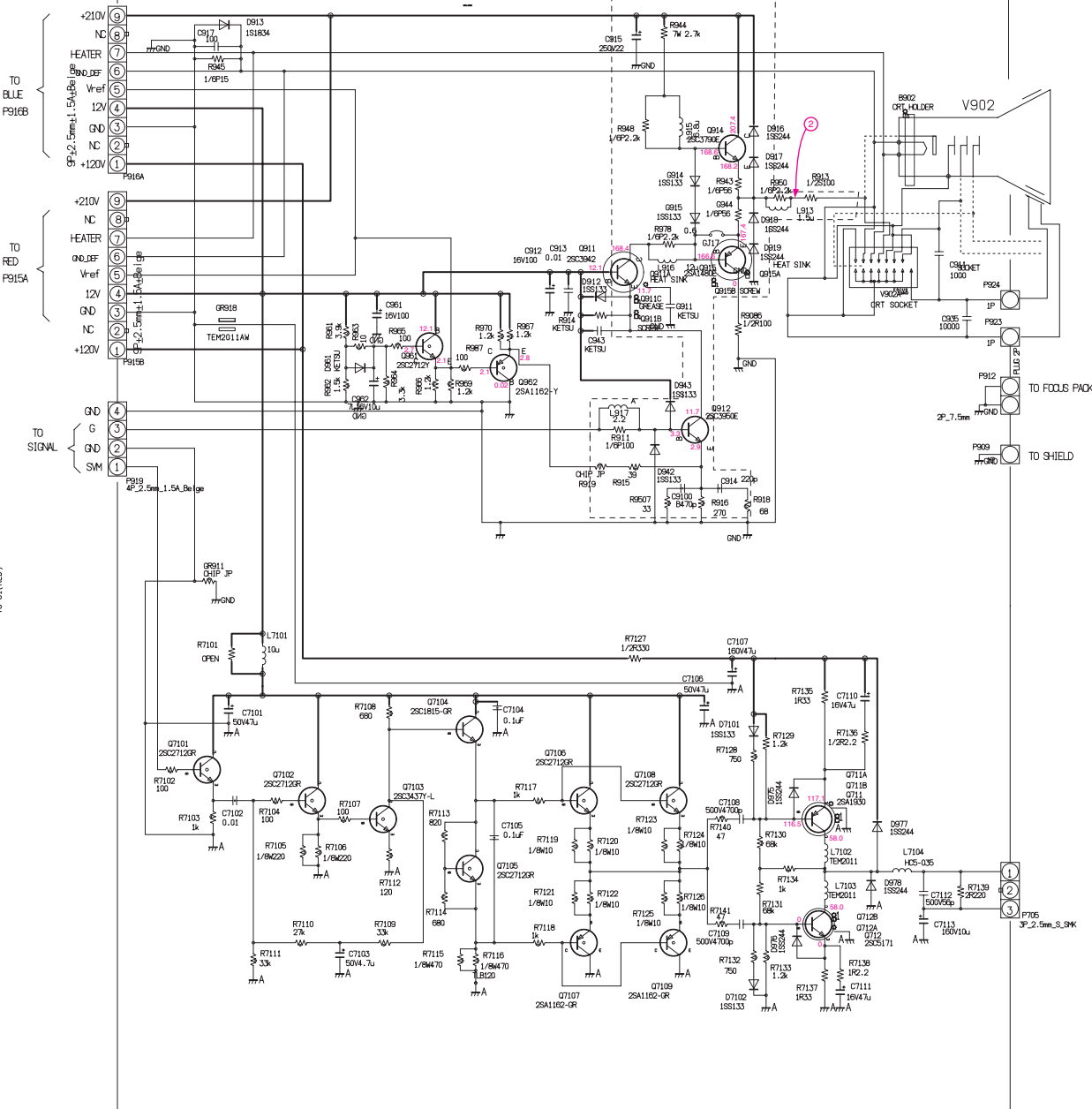
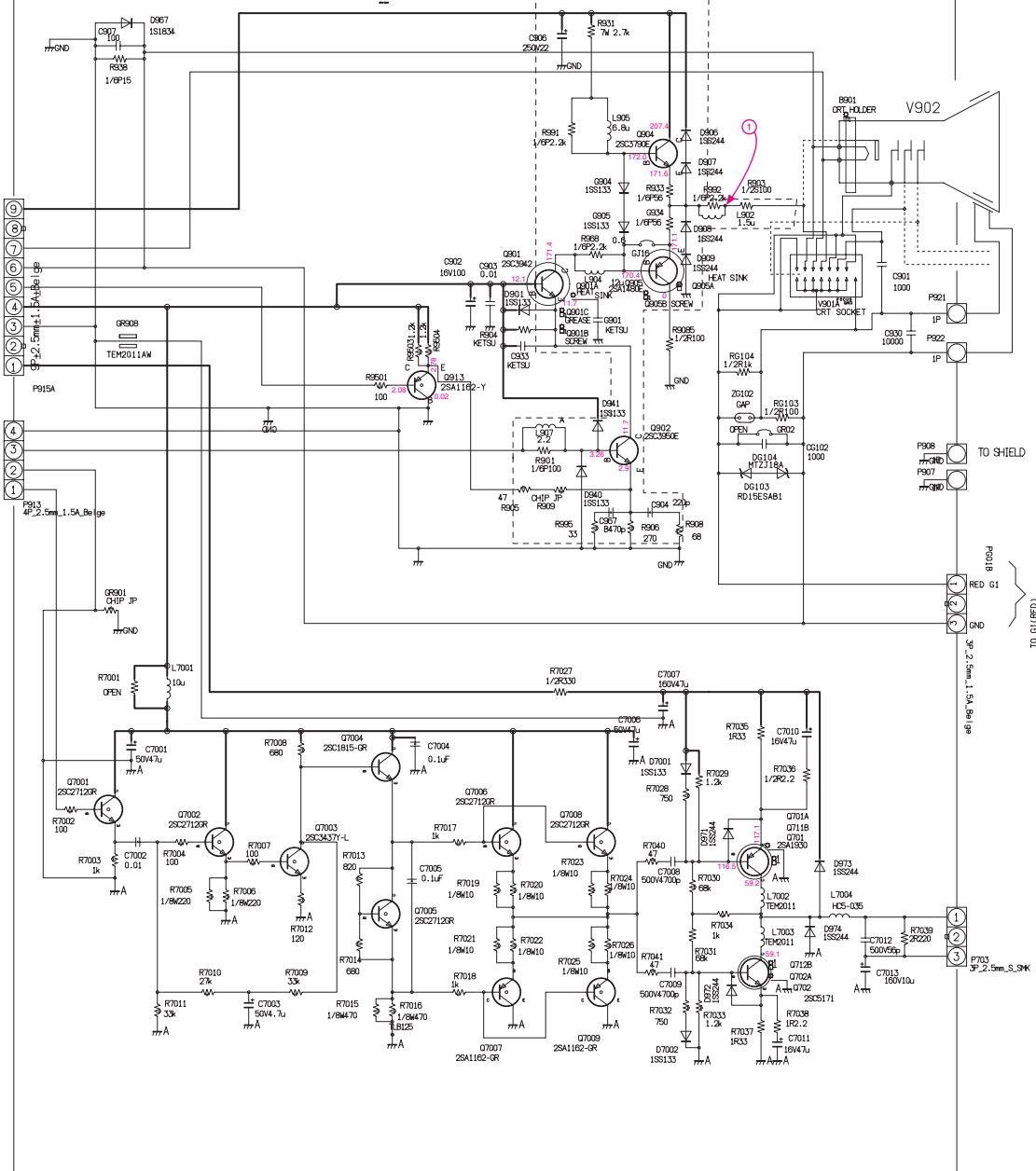
6

7

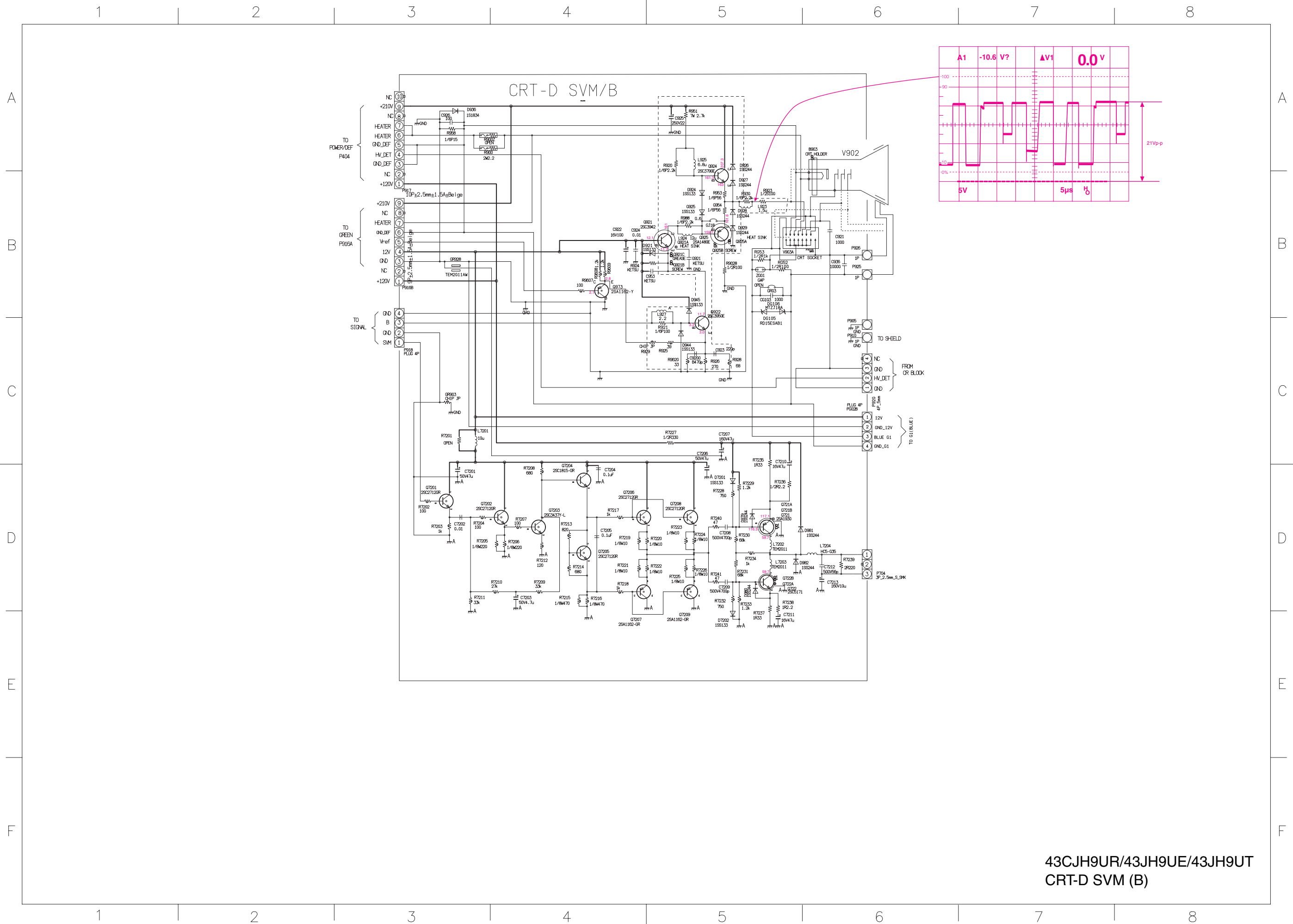
8

CRT-D SVM/R

CRT-D SVM/G

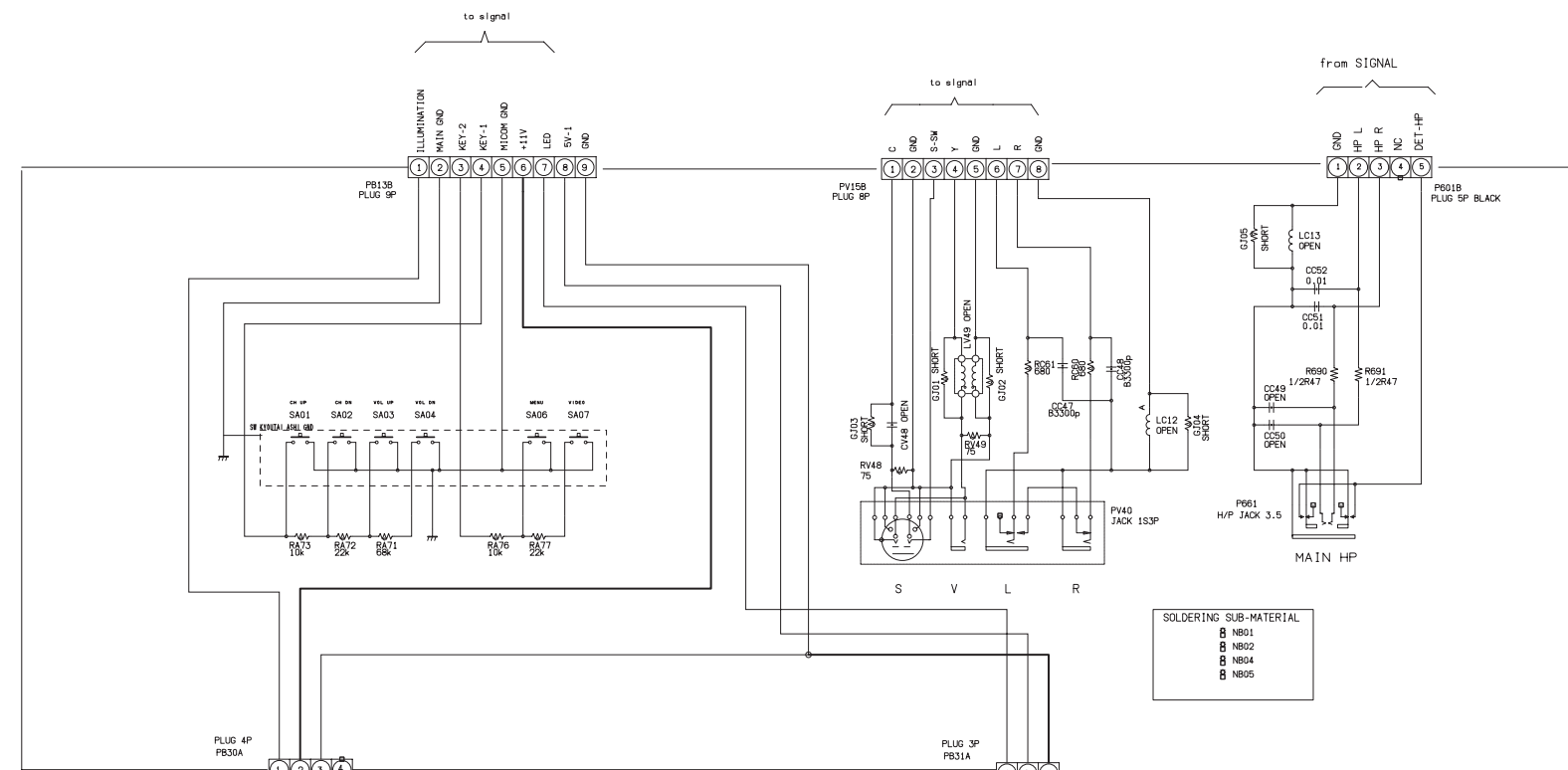


43CJH9UR/43JH9UE/43JH9UT
CRT-D SVM (R,G)

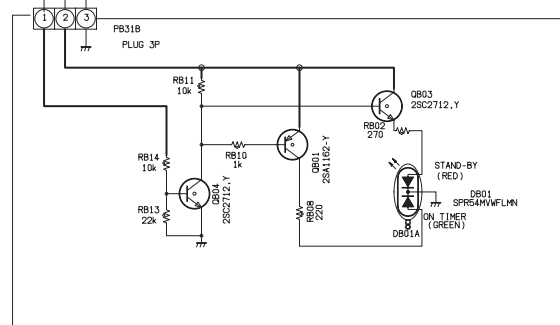
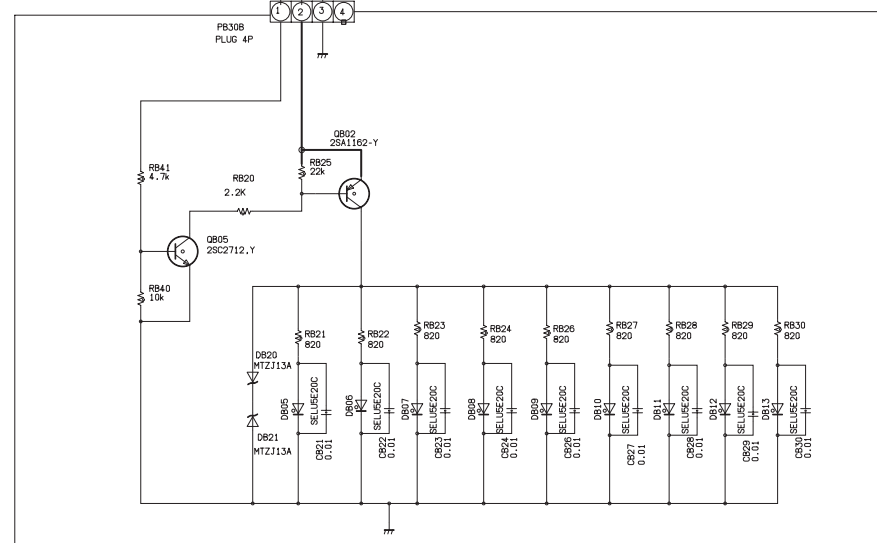
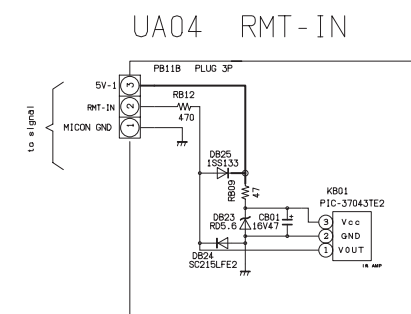


43CJH9UR/43JH9UE/43JH9UT
CRT-D SVM (B)

M021Z FRONT CON/IN UNIT

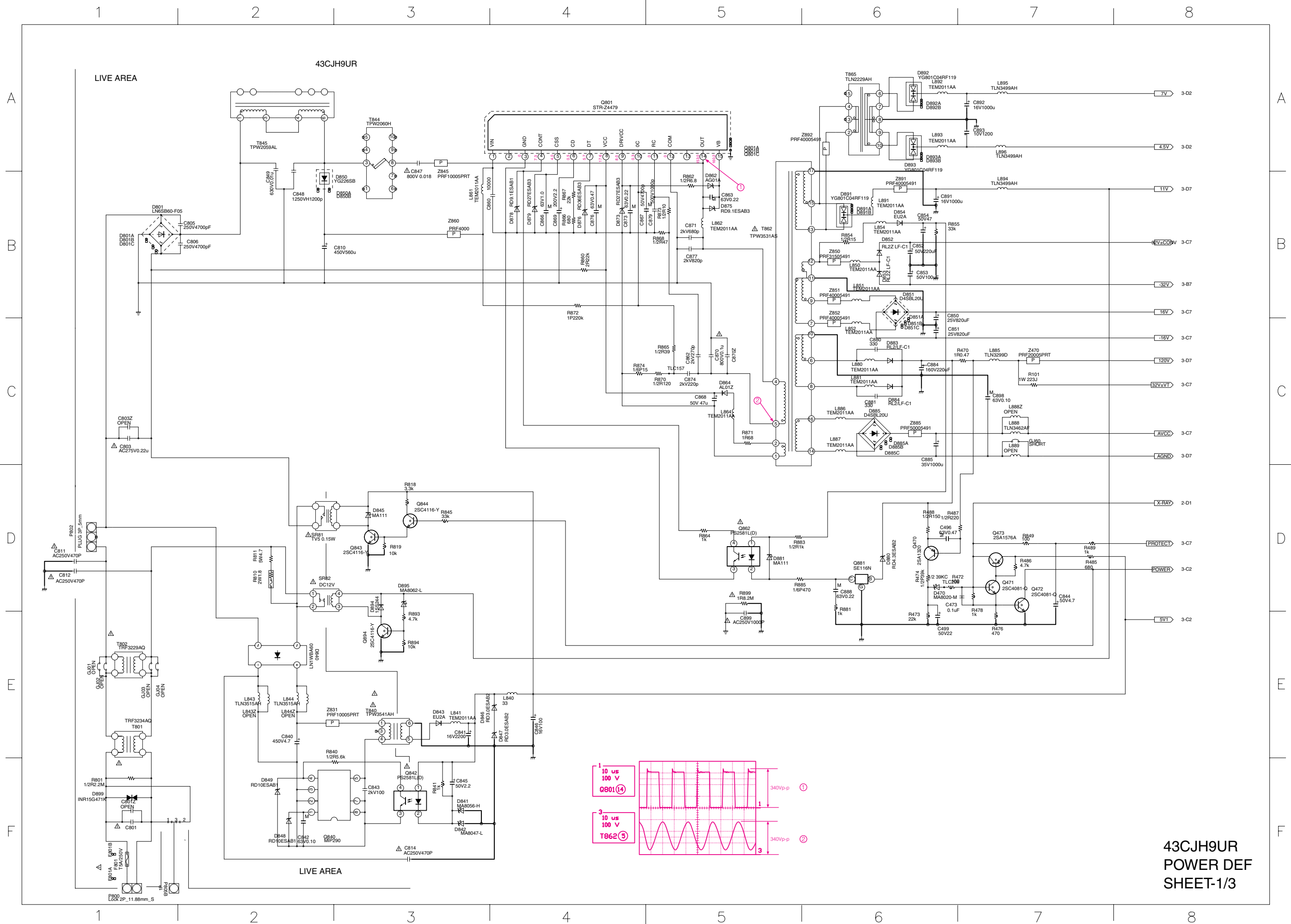


SOLDERING SUB-MATERIAL
 ■ NB01
 ■ NB02
 ■ NB04
 ■ NB05

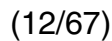


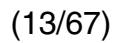
FRONT LED R/G UNIT

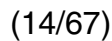
43CJH9UR/43JH9UE/43JH9UT
 FRONT CON/IN

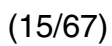


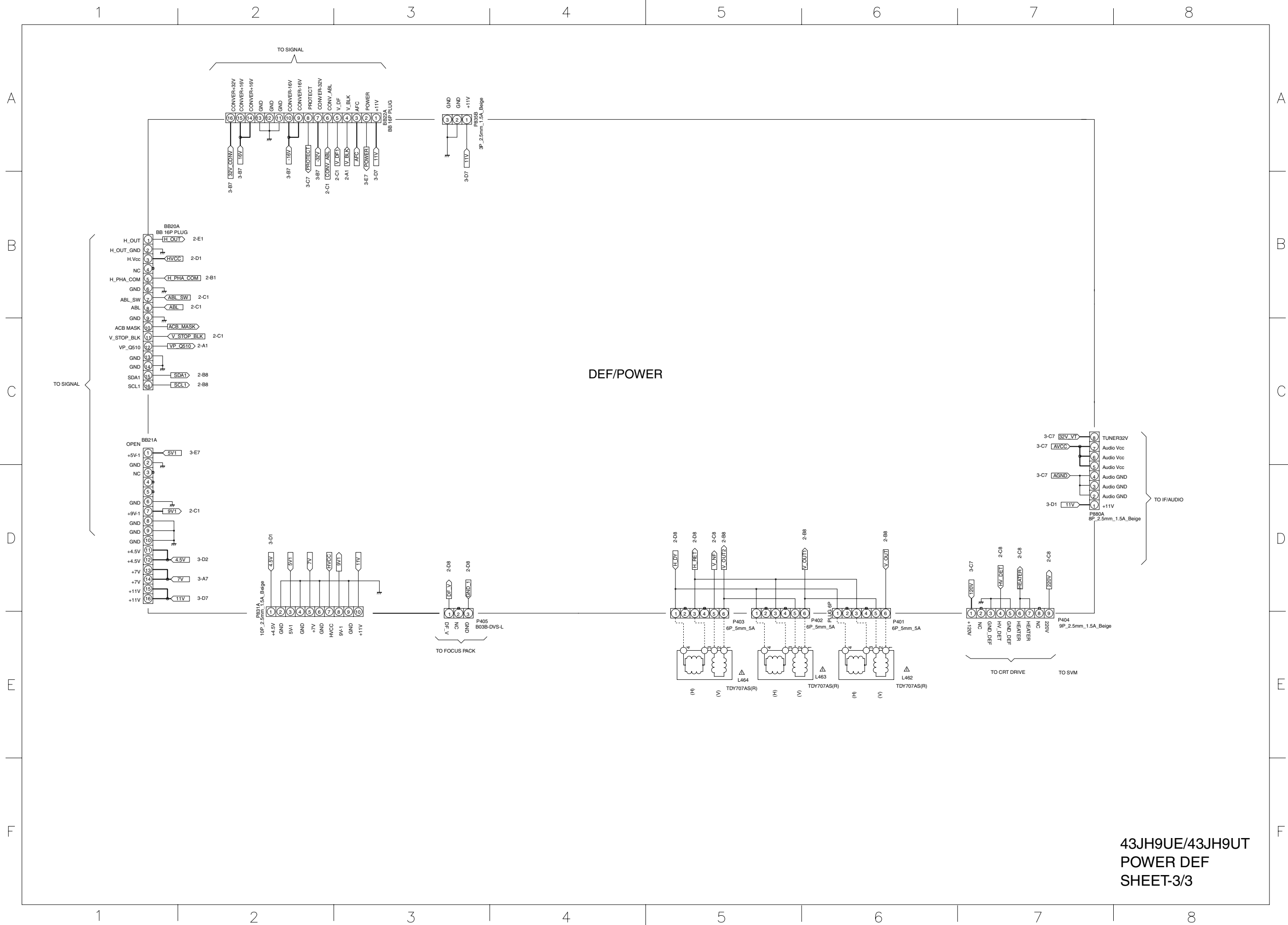
43CJH9UR
POWER DEF
SHEET-1/3

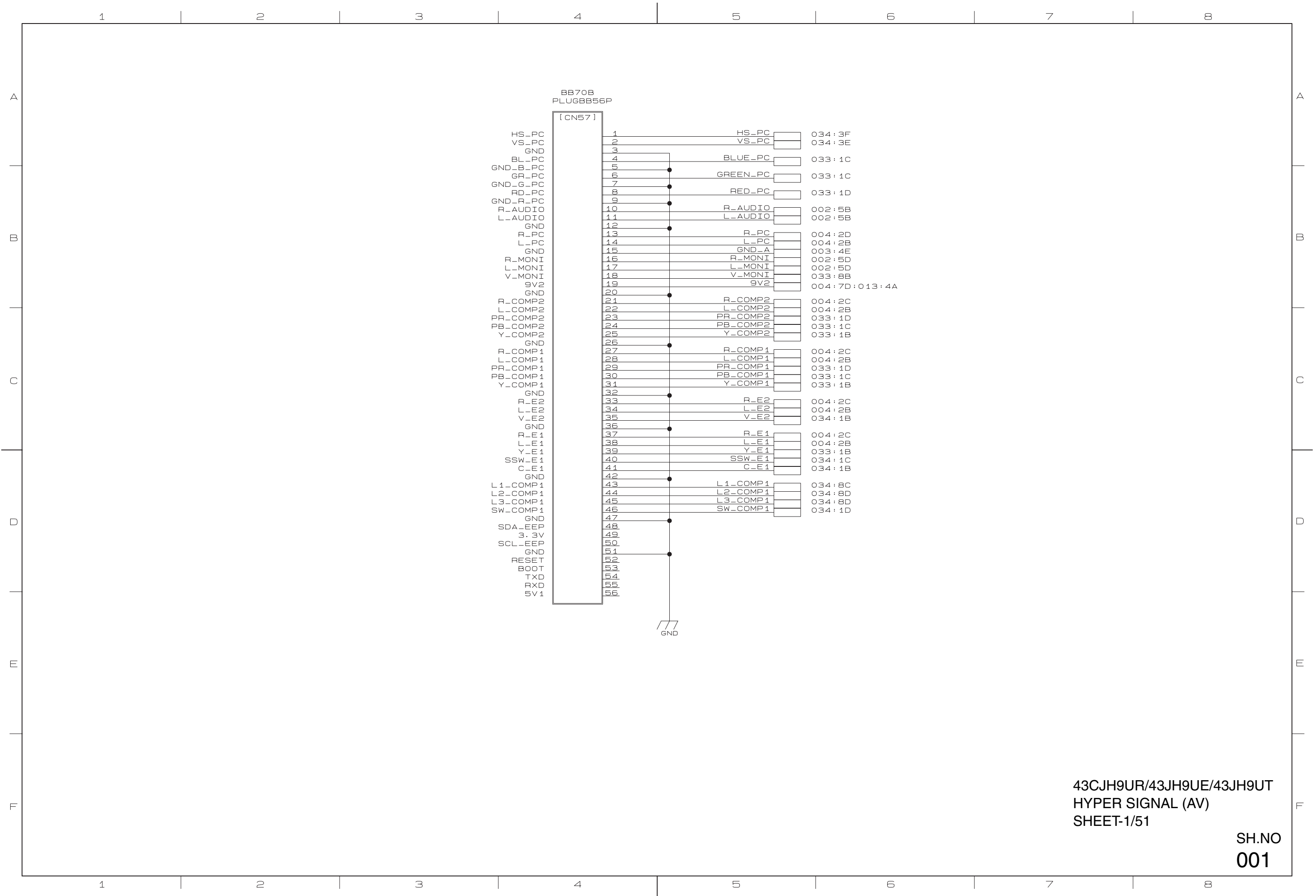






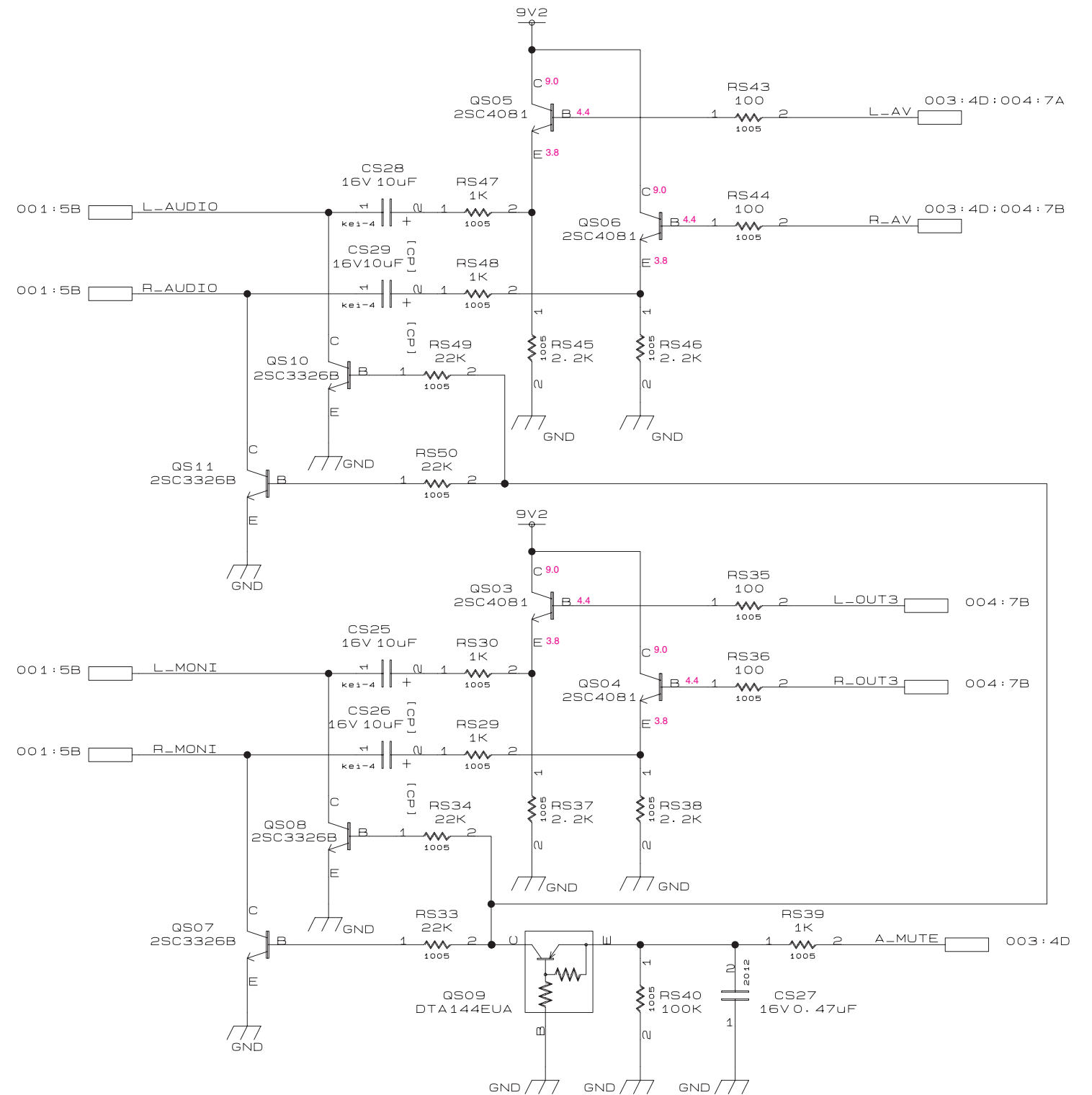
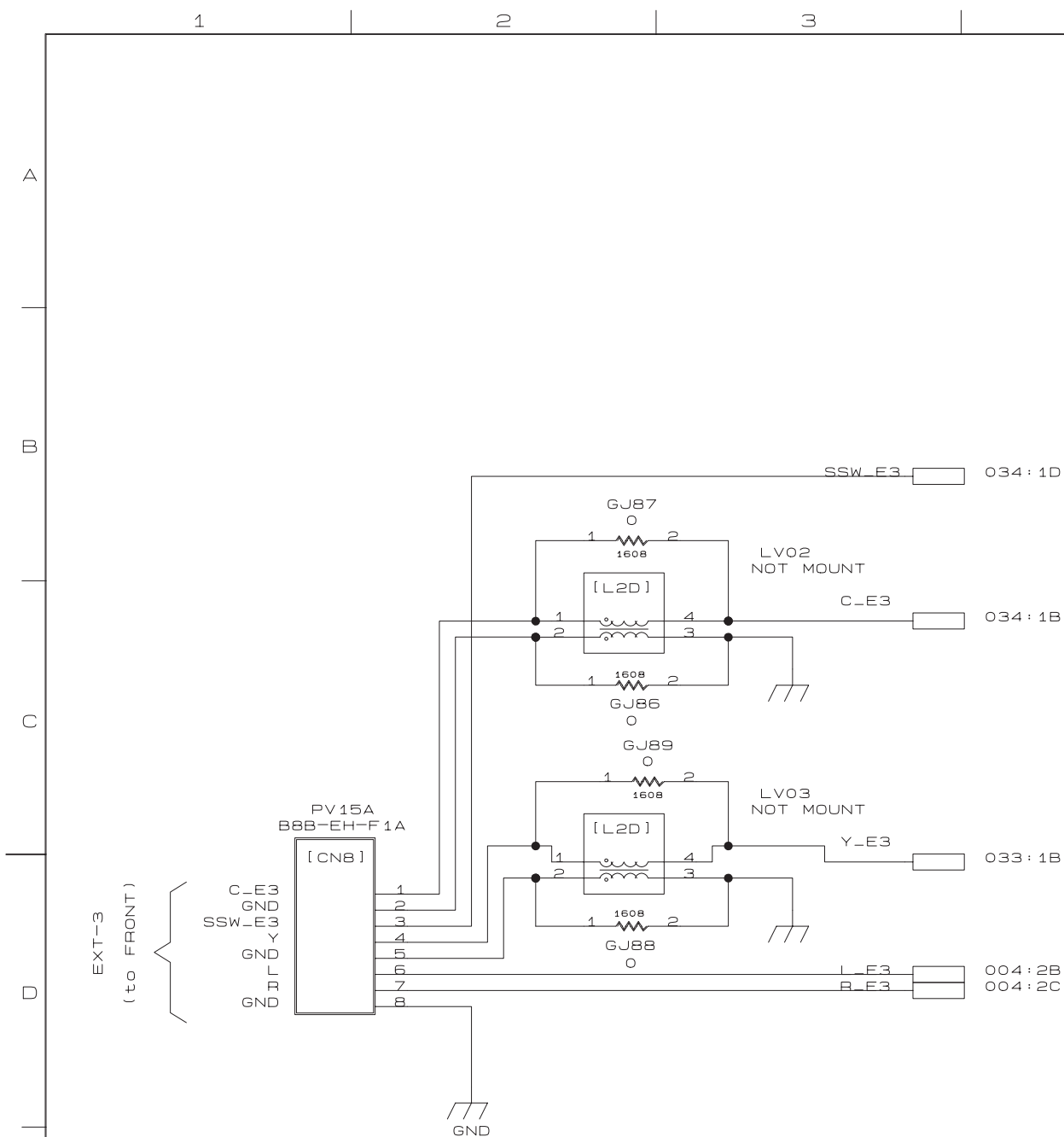






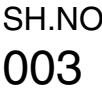
43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (AV)
SHEET-1/51

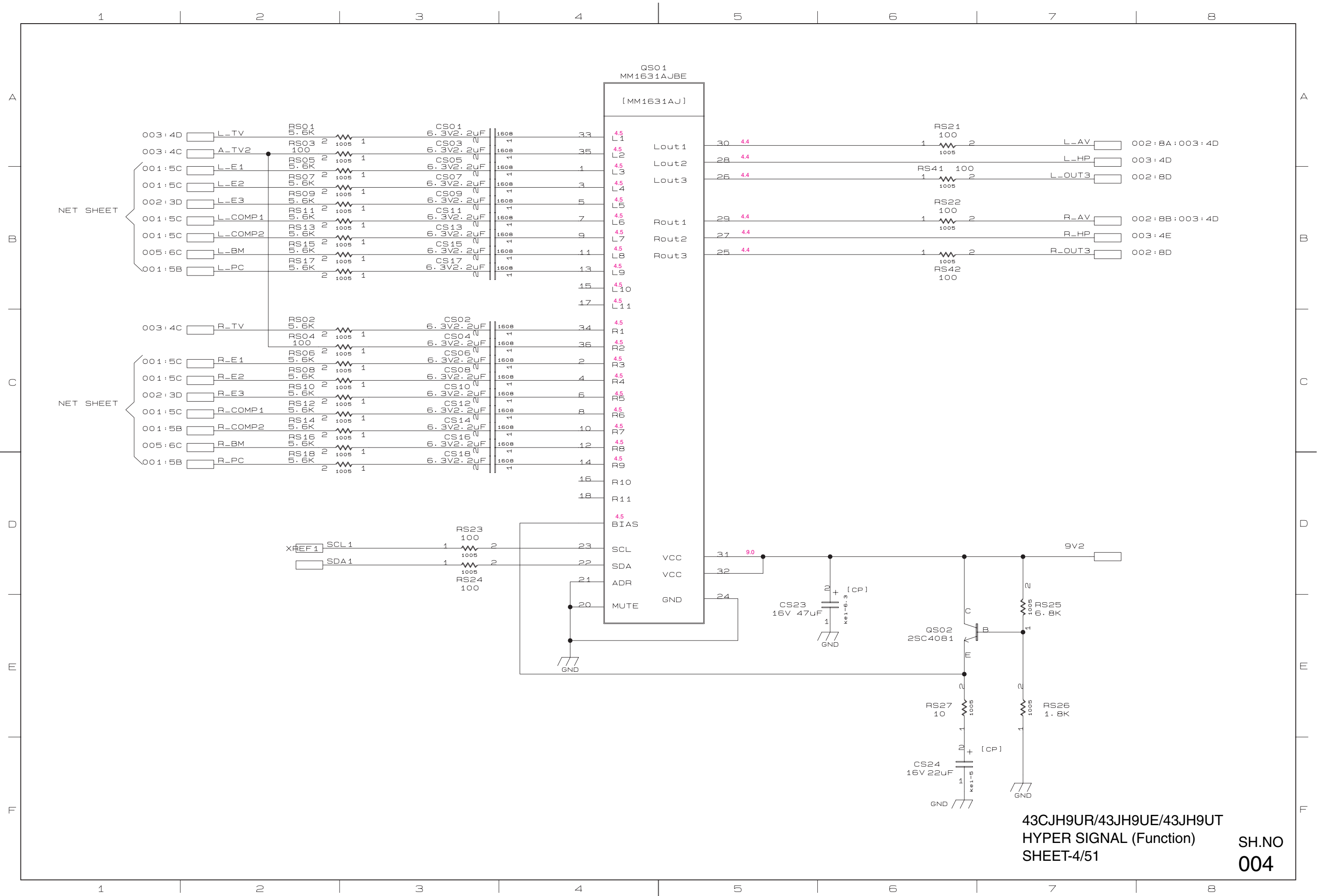
SH.NO
001

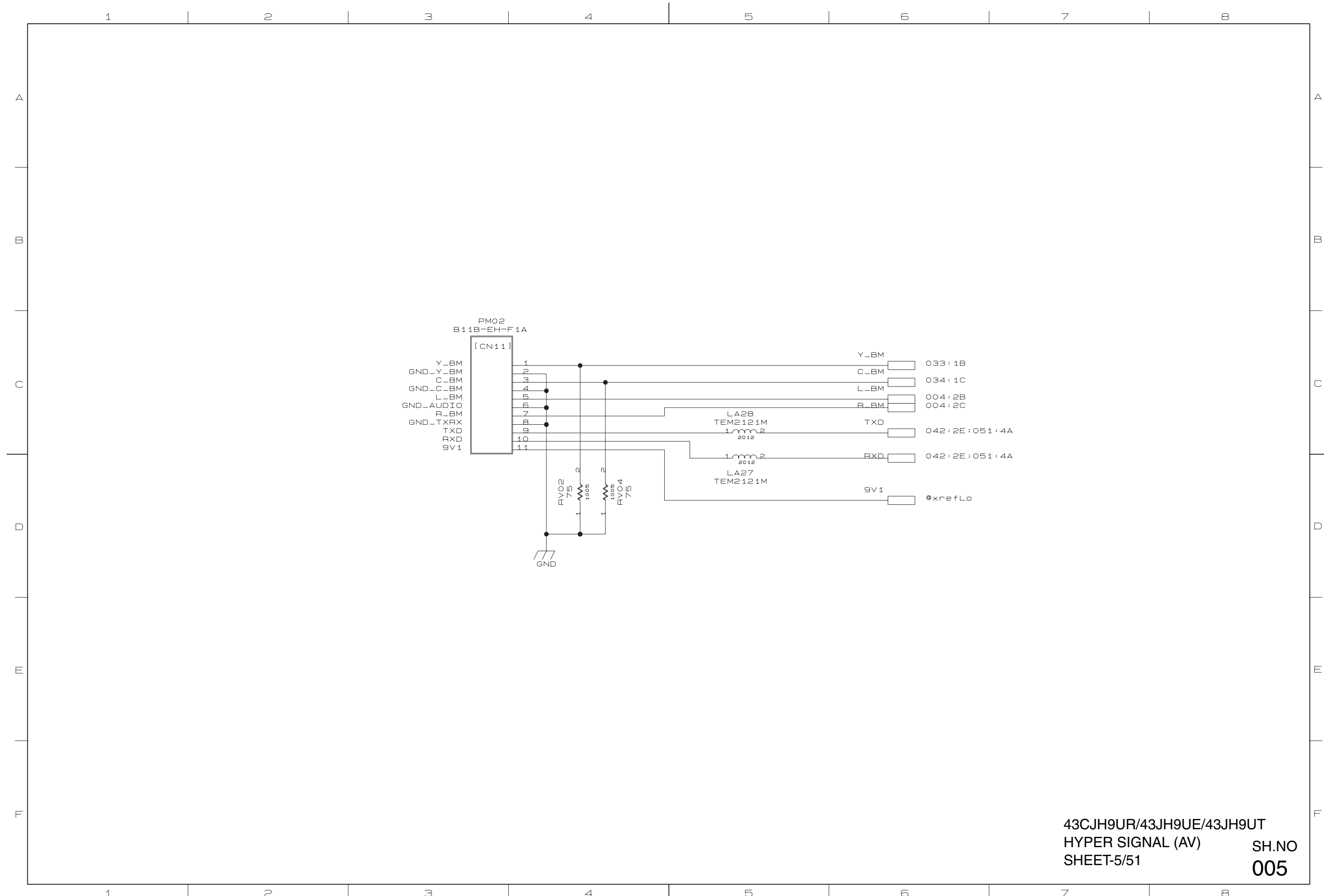


43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (AV)
SHEET-2/51

SH.NO	
002	



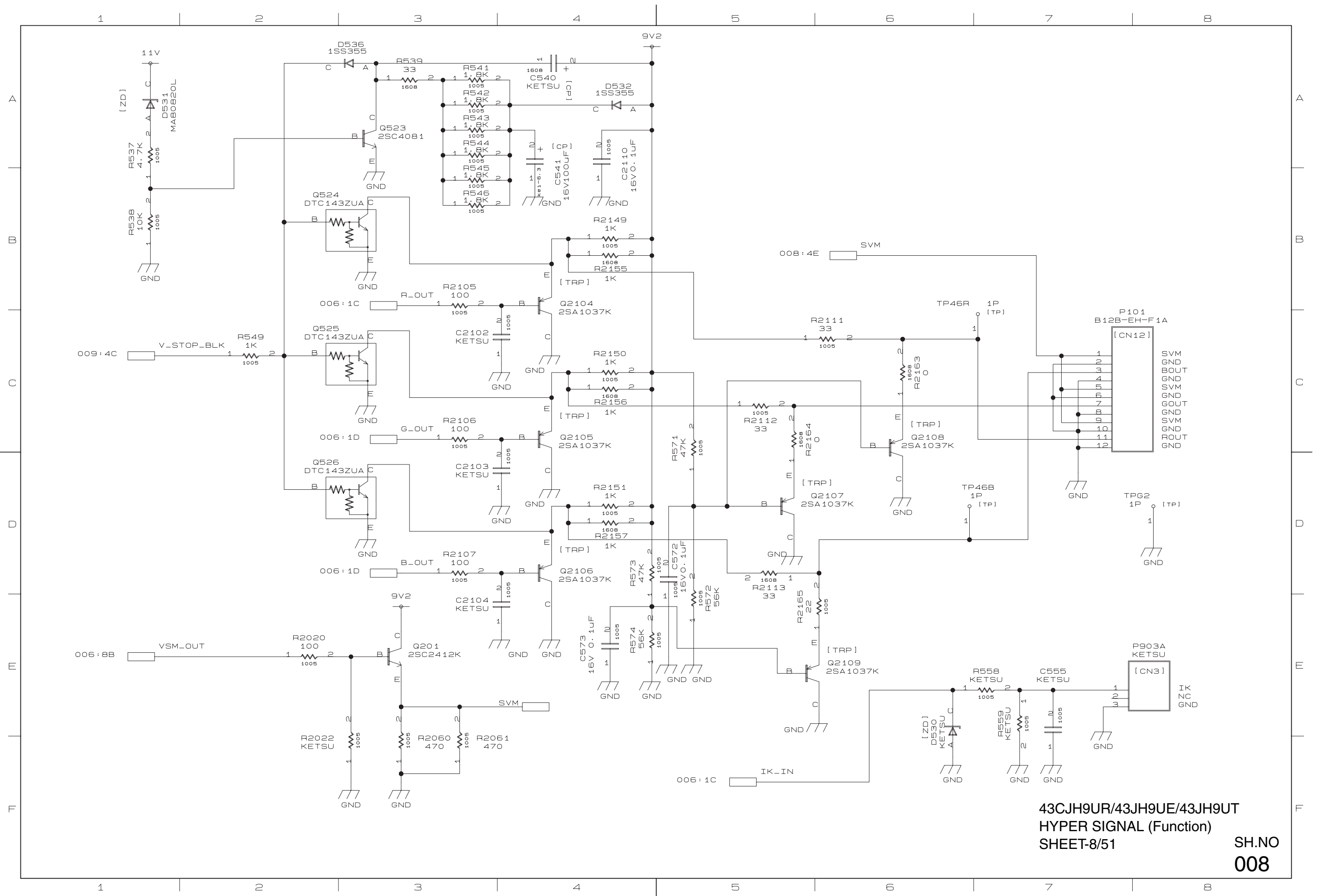




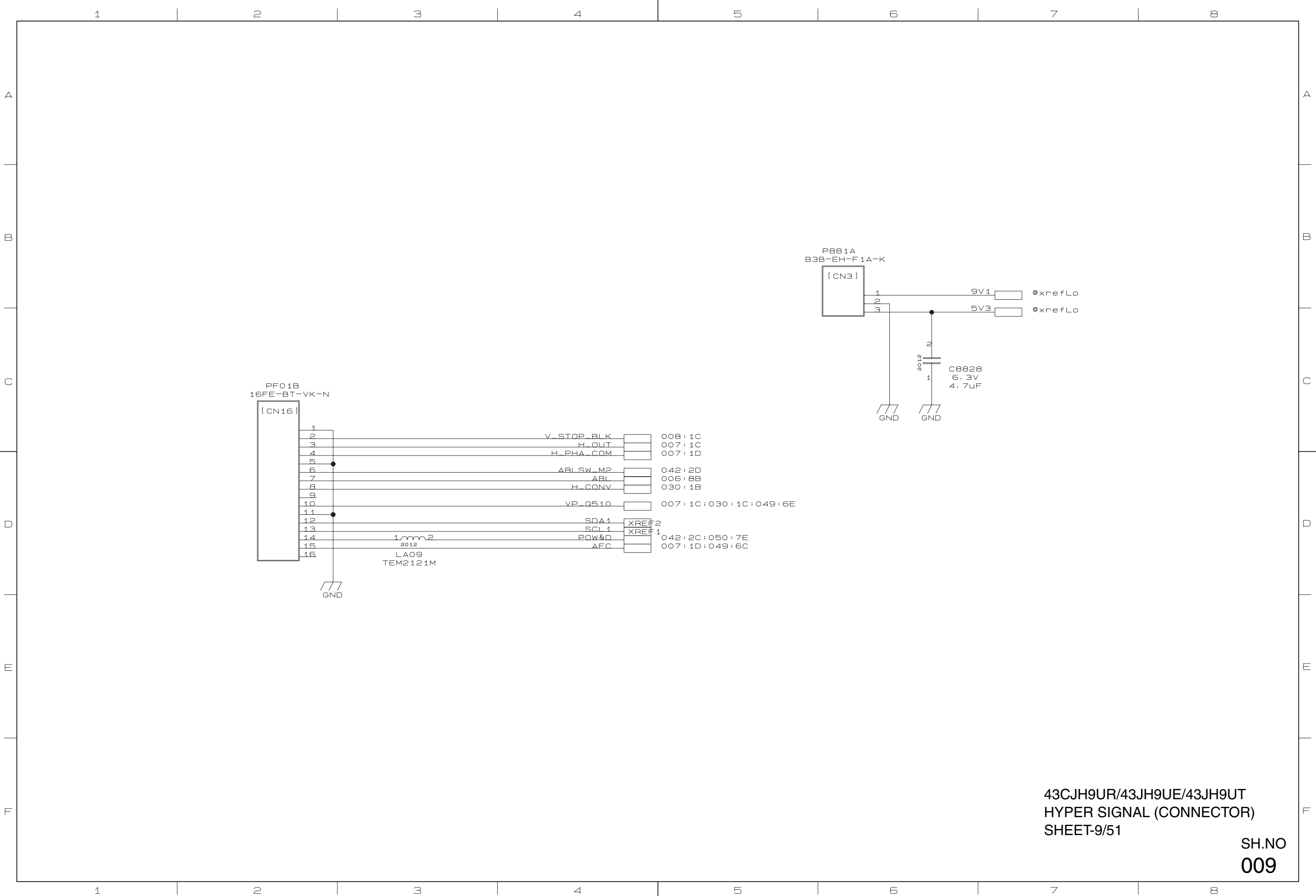
43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (AV) SH.NO
SHEET-5/51 005

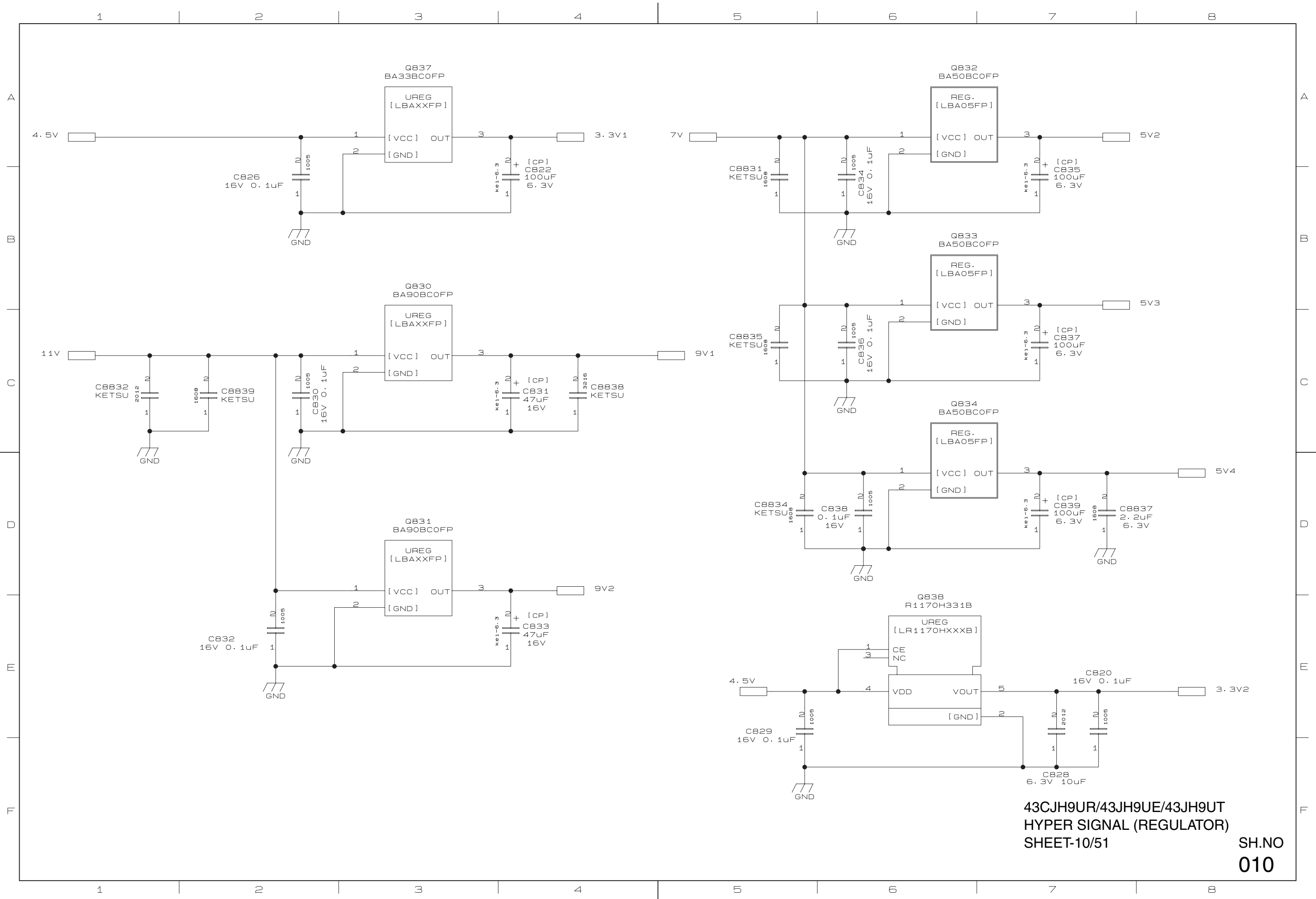


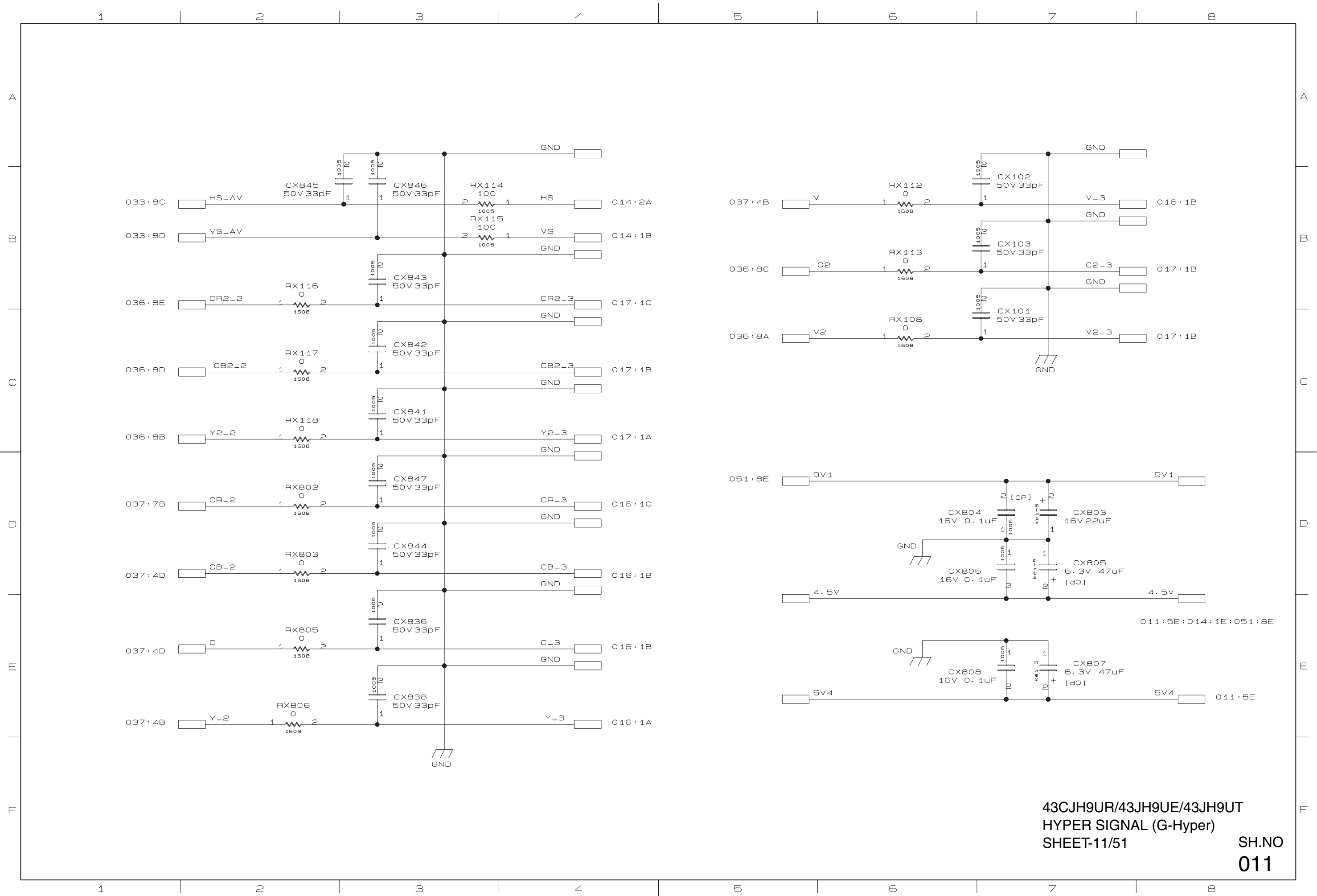




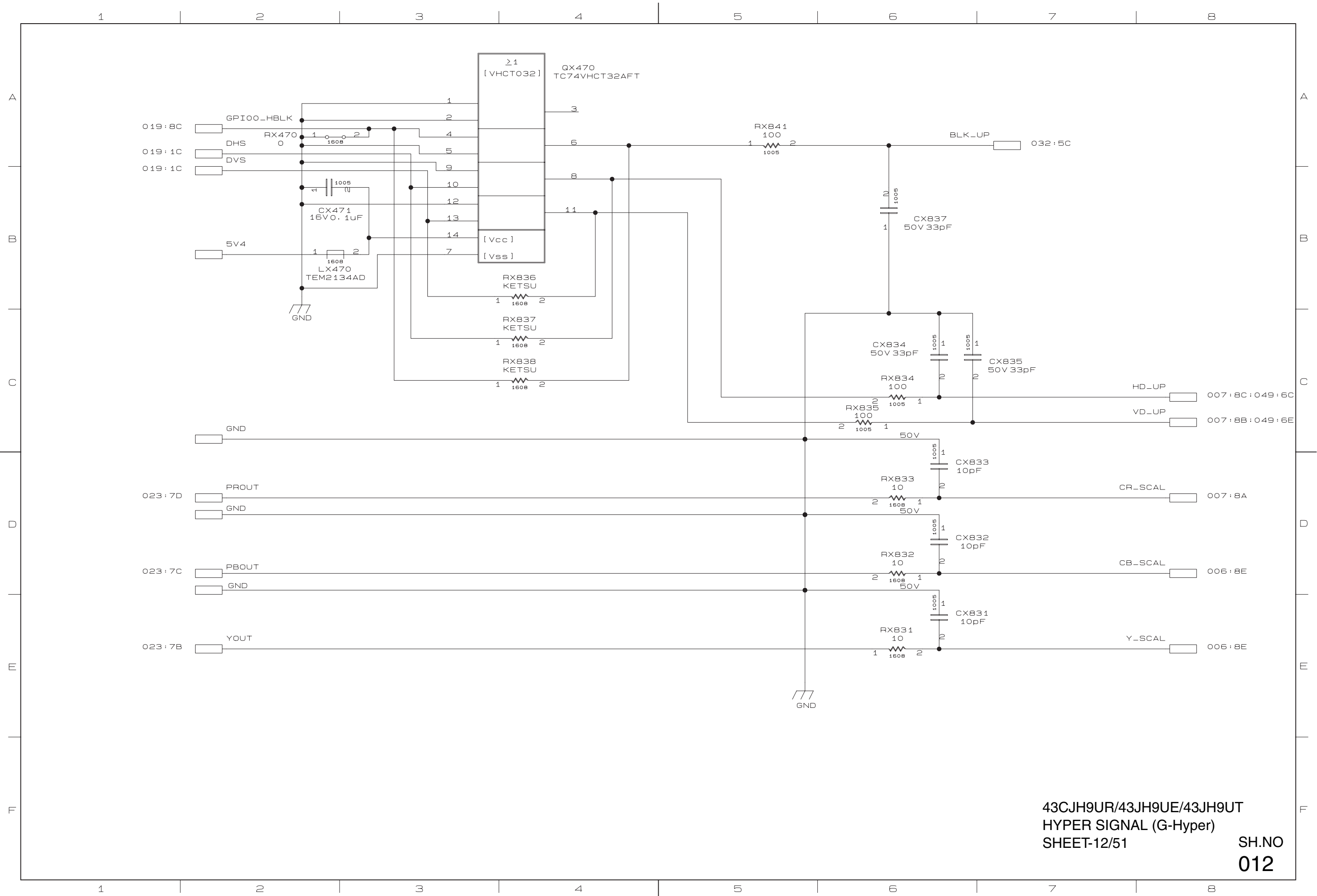
SH.NO
008

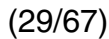




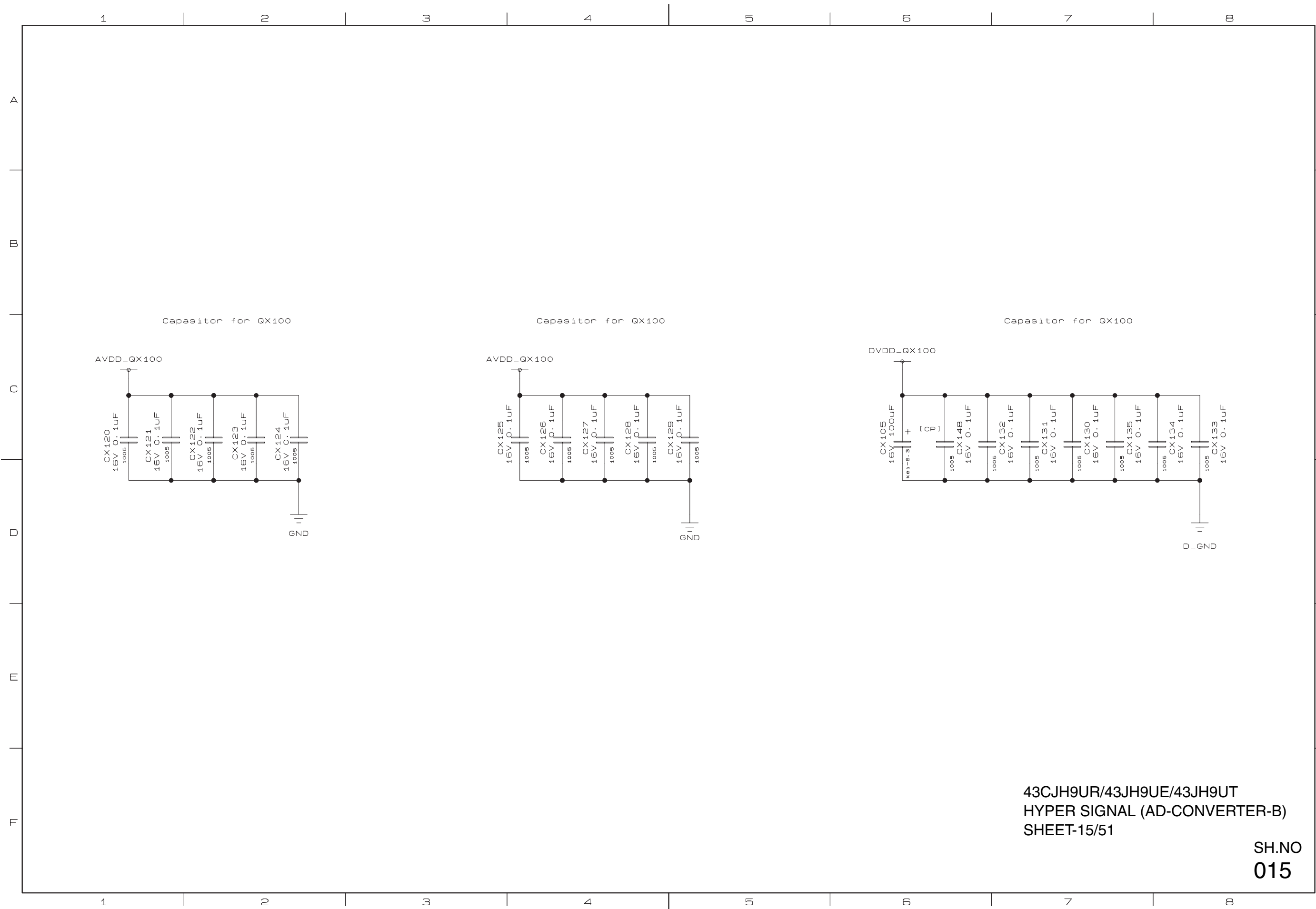


43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (G-Hyper)
SHEET-11/51
SH.NO
011



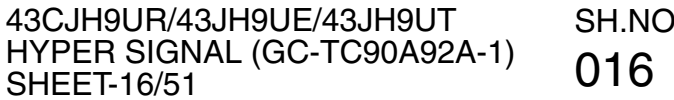


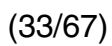


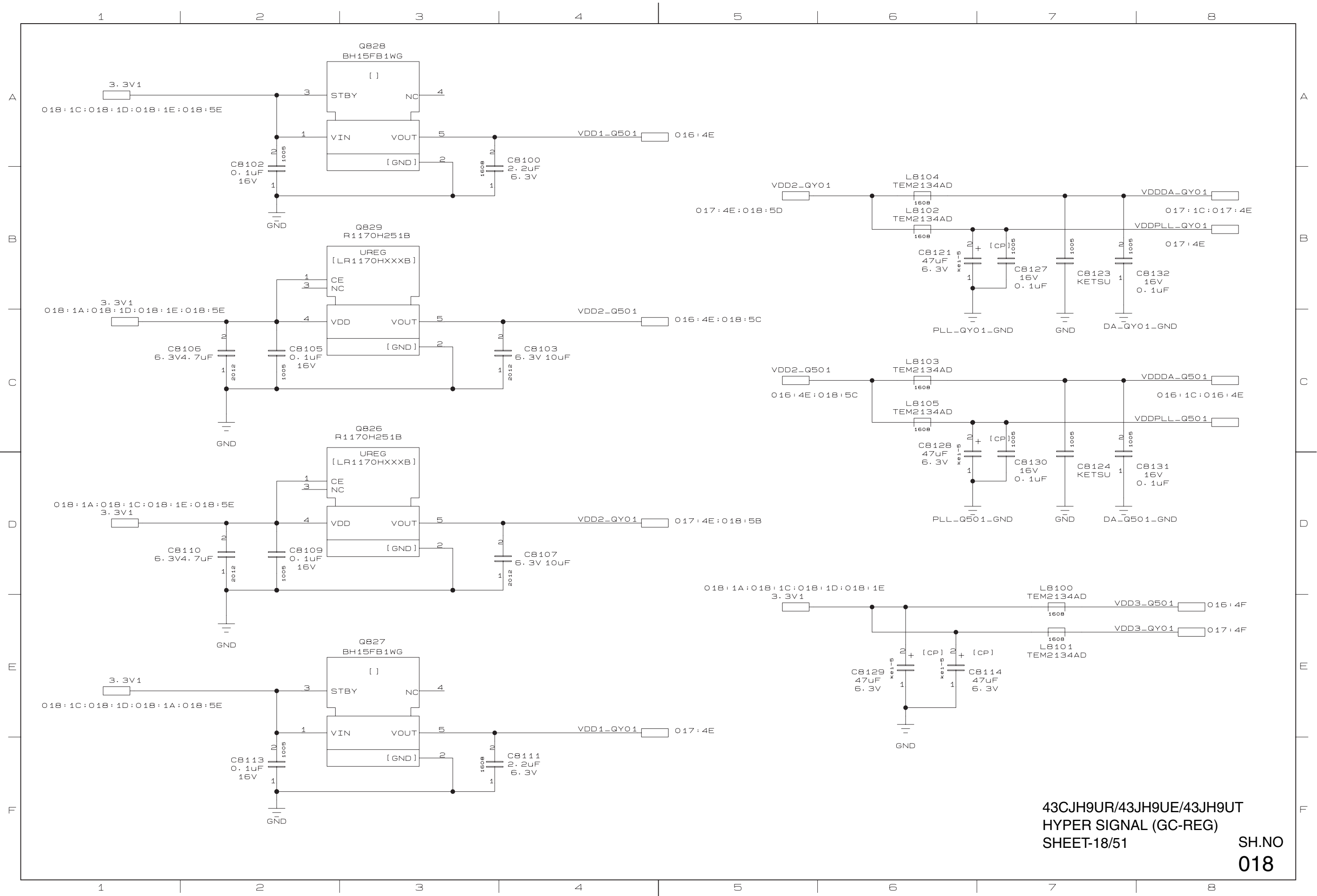


43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (AD-CONVERTER-B)
SHEET-15/51

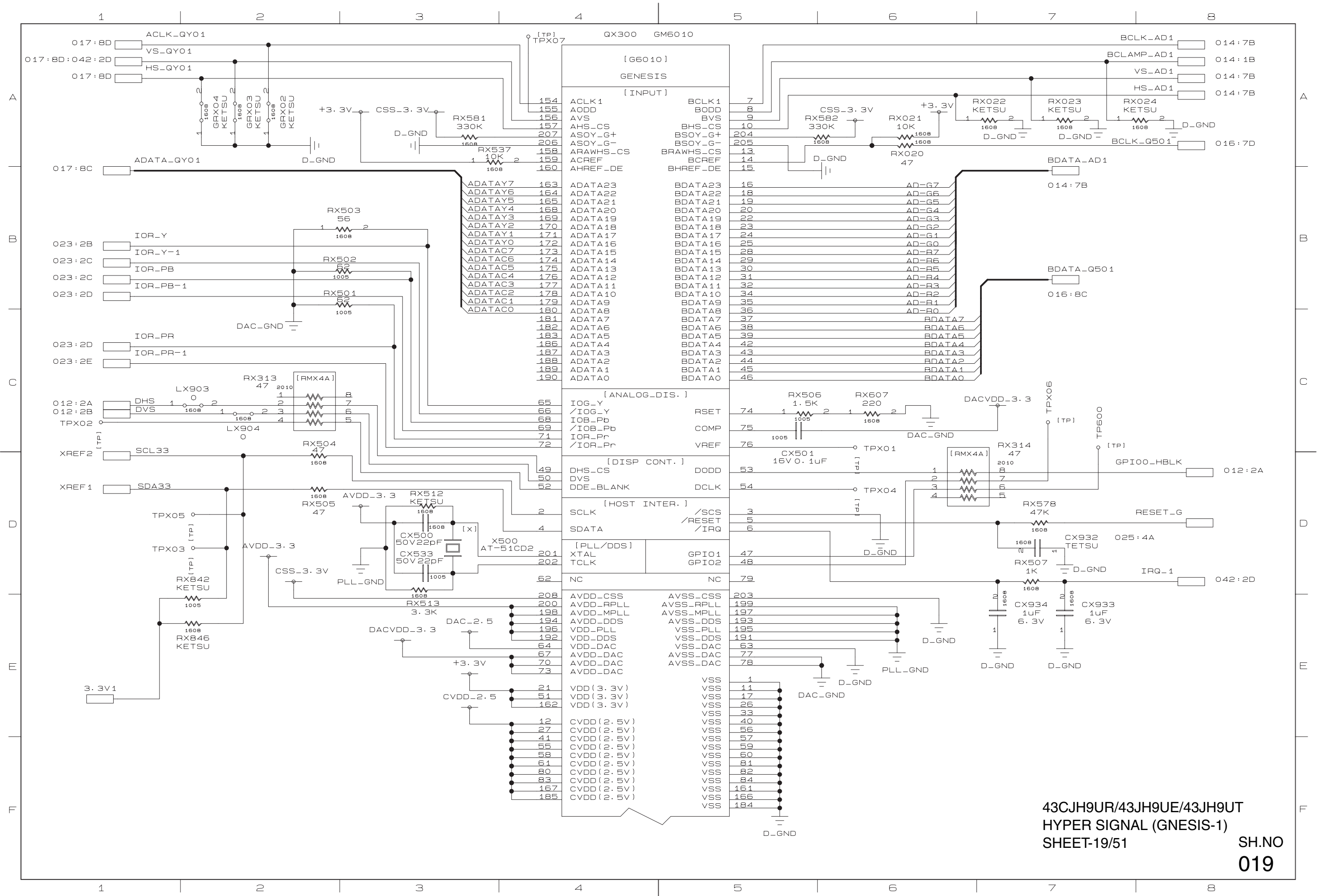
SH.NO
015



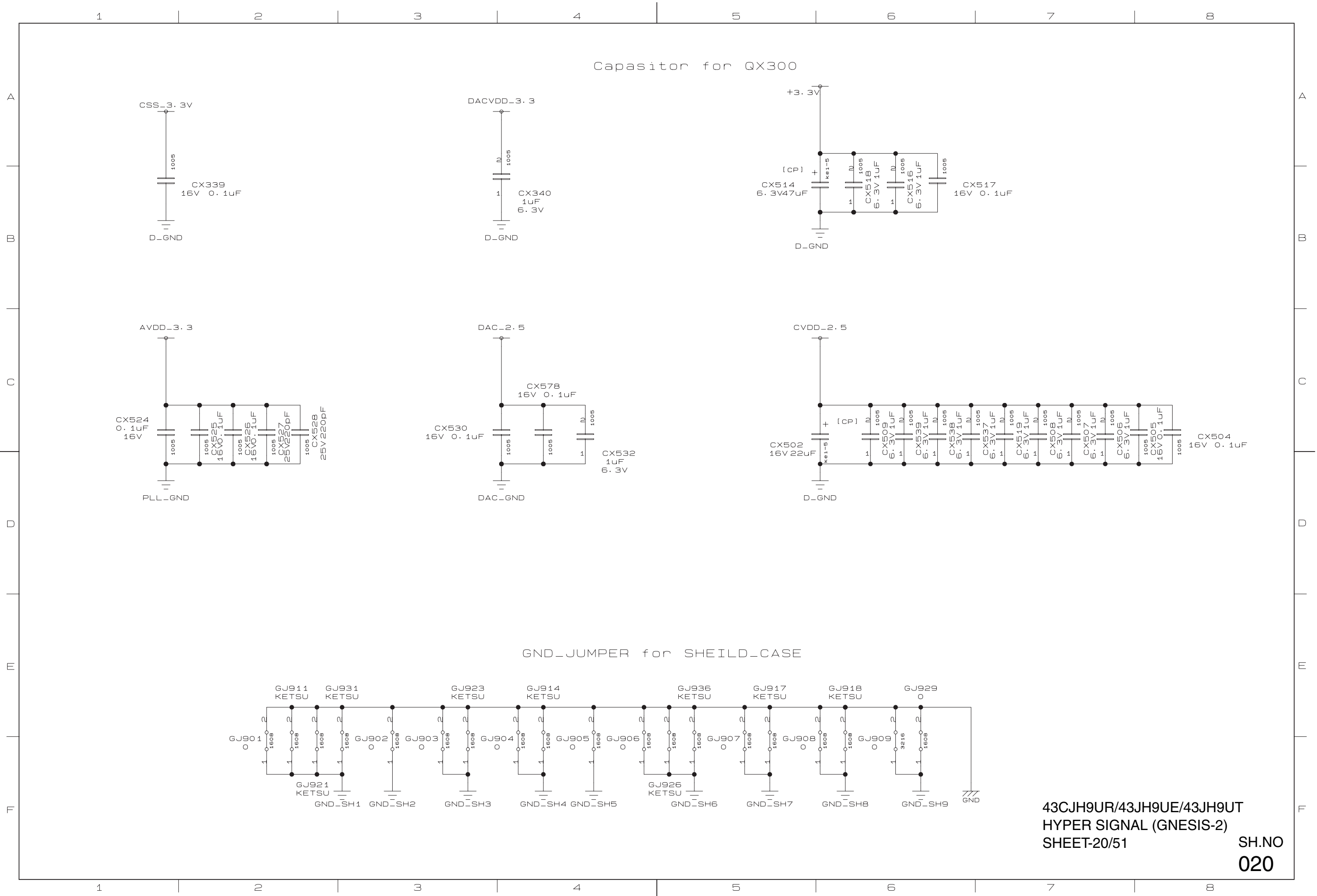


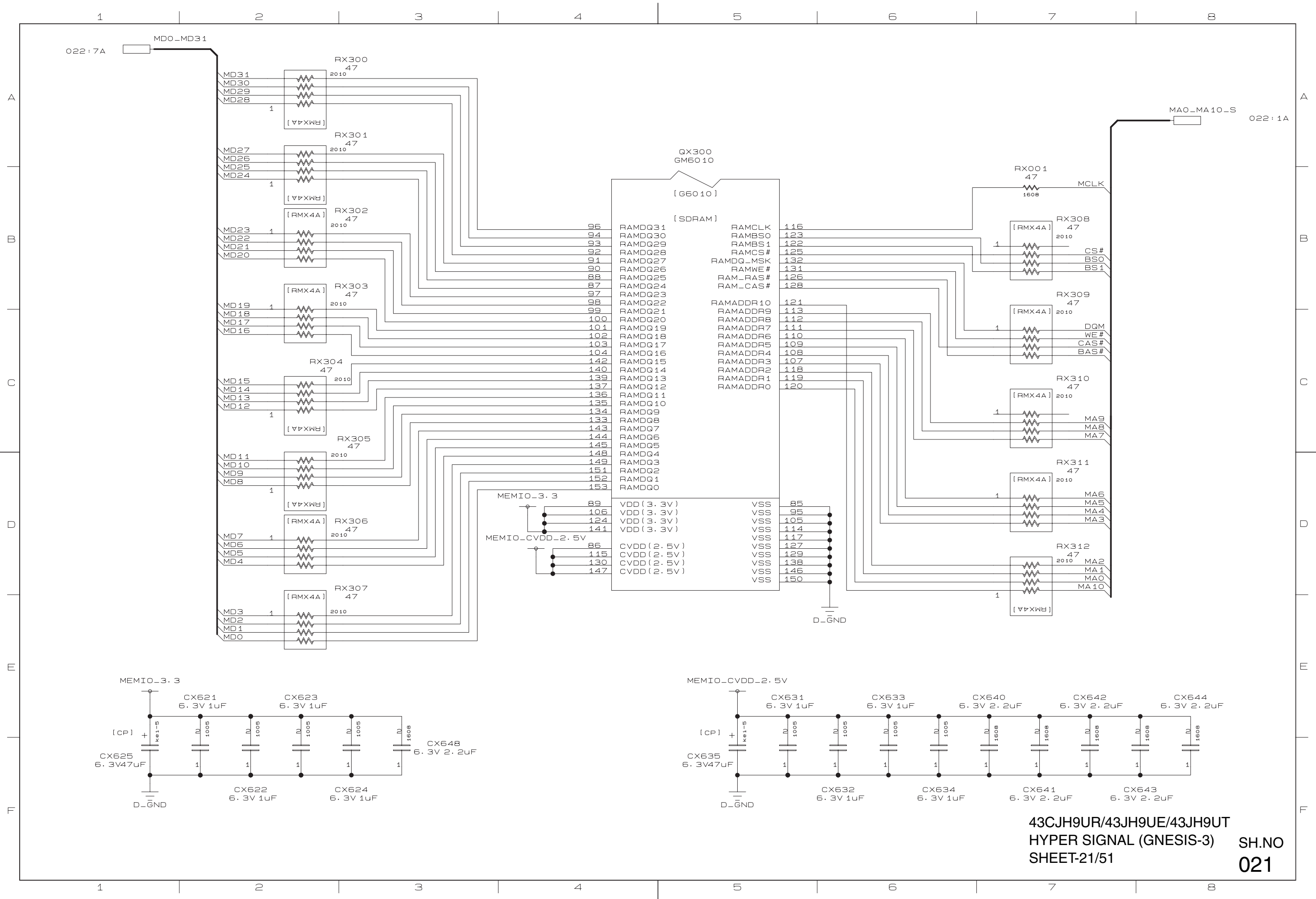


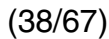
43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (GC-REG)
SHEET-18/51
SH.NO
018

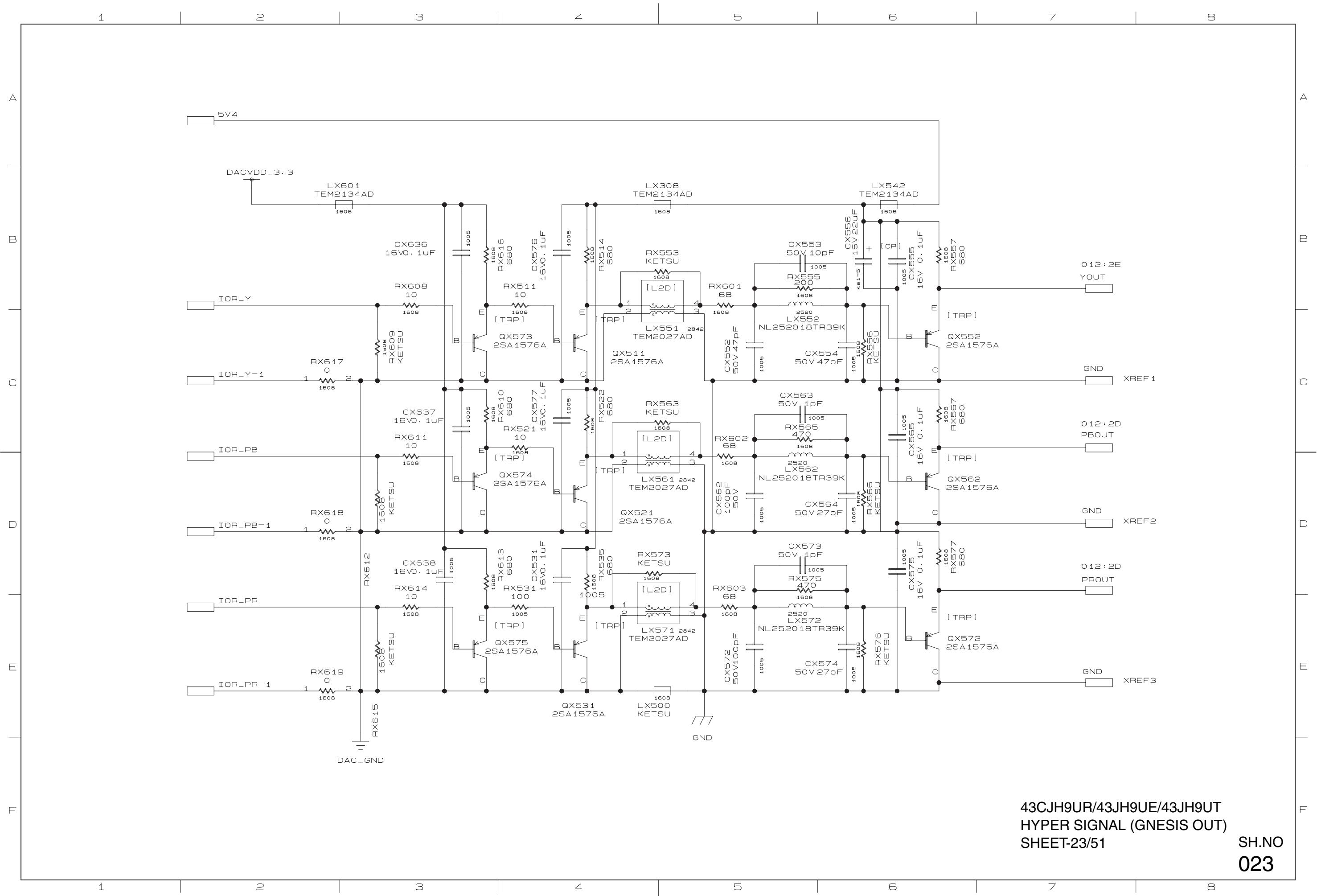


43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (GNESIS-1)
SHEET-19/51
SH.NO
019



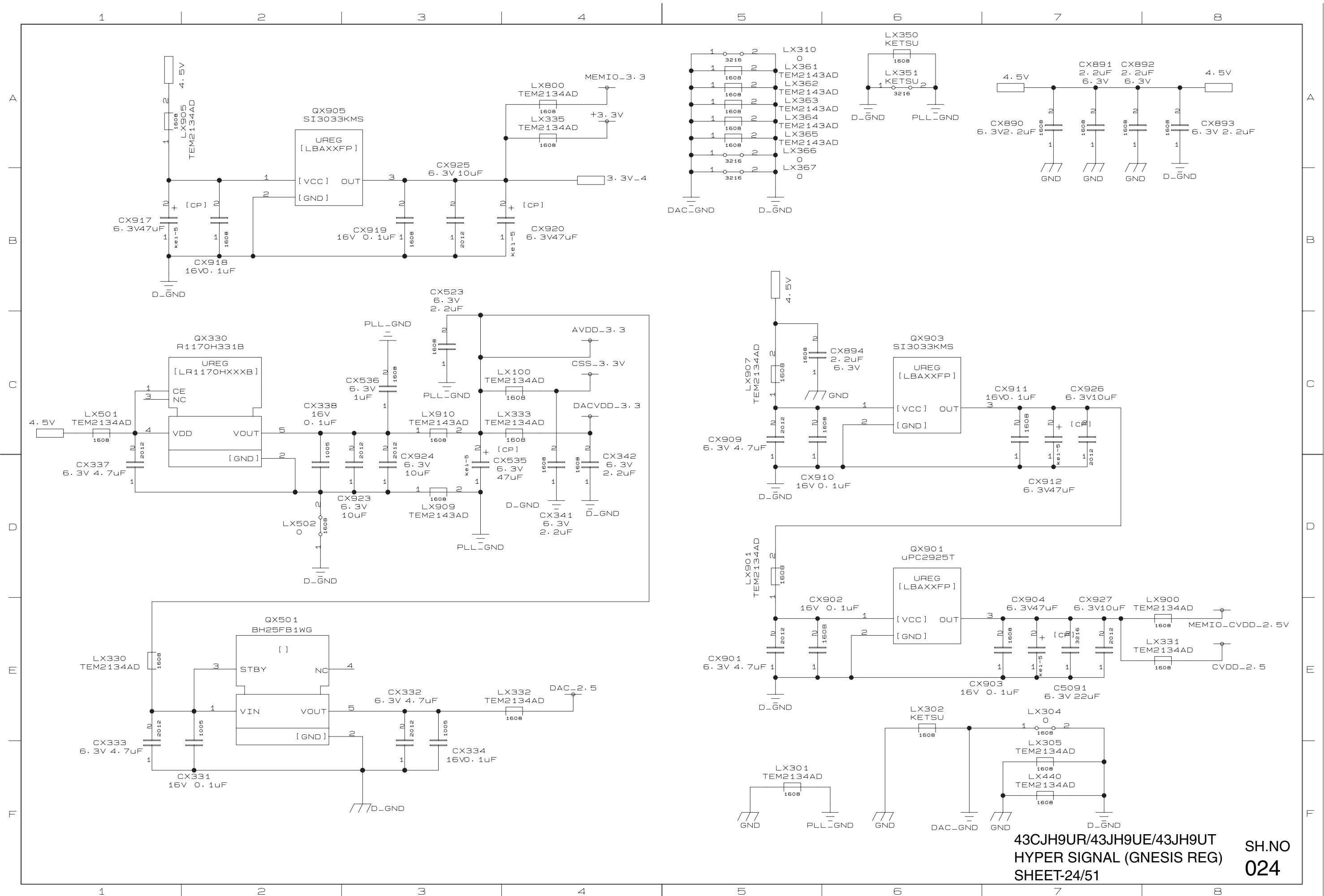






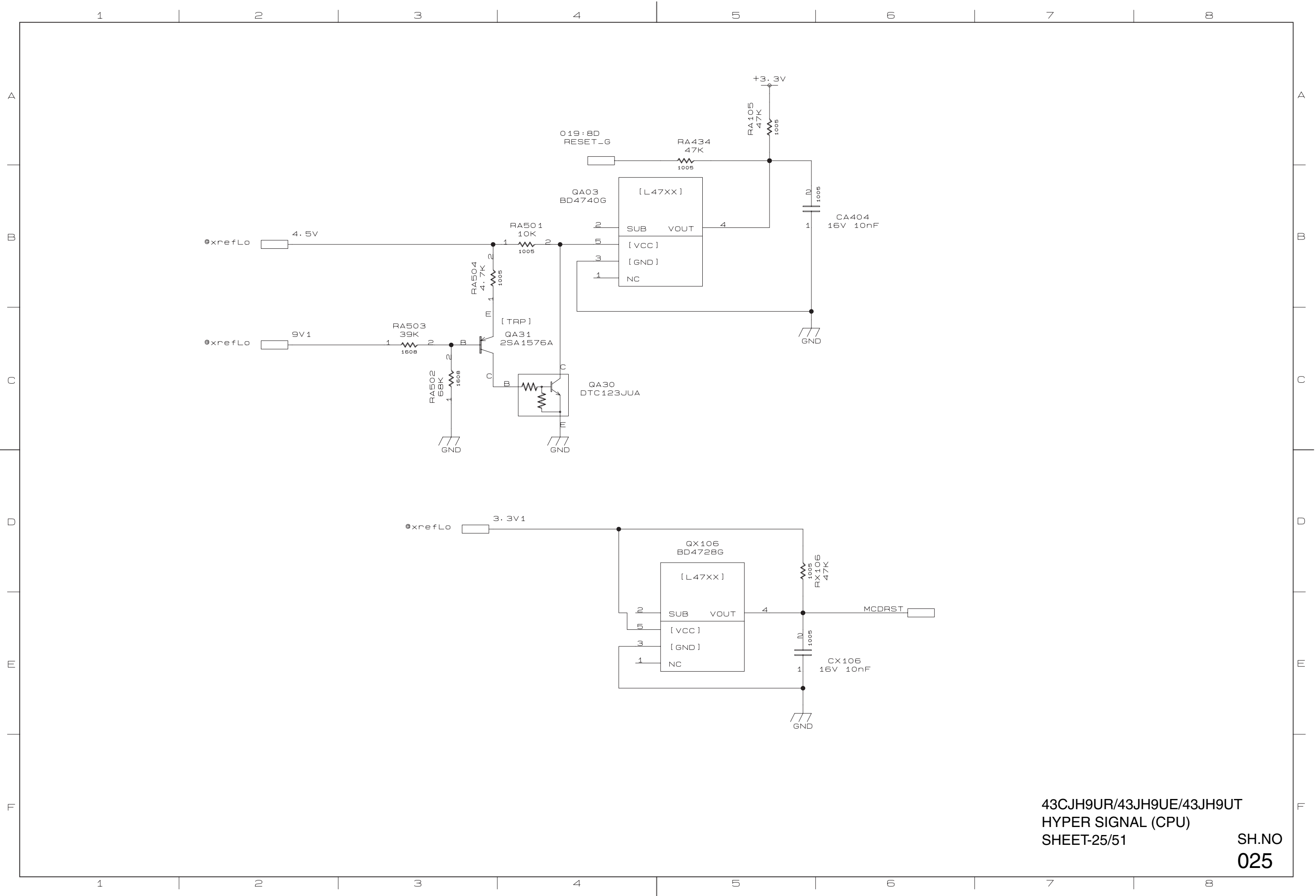
43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (GNESIS OUT)
SHEET-23/51

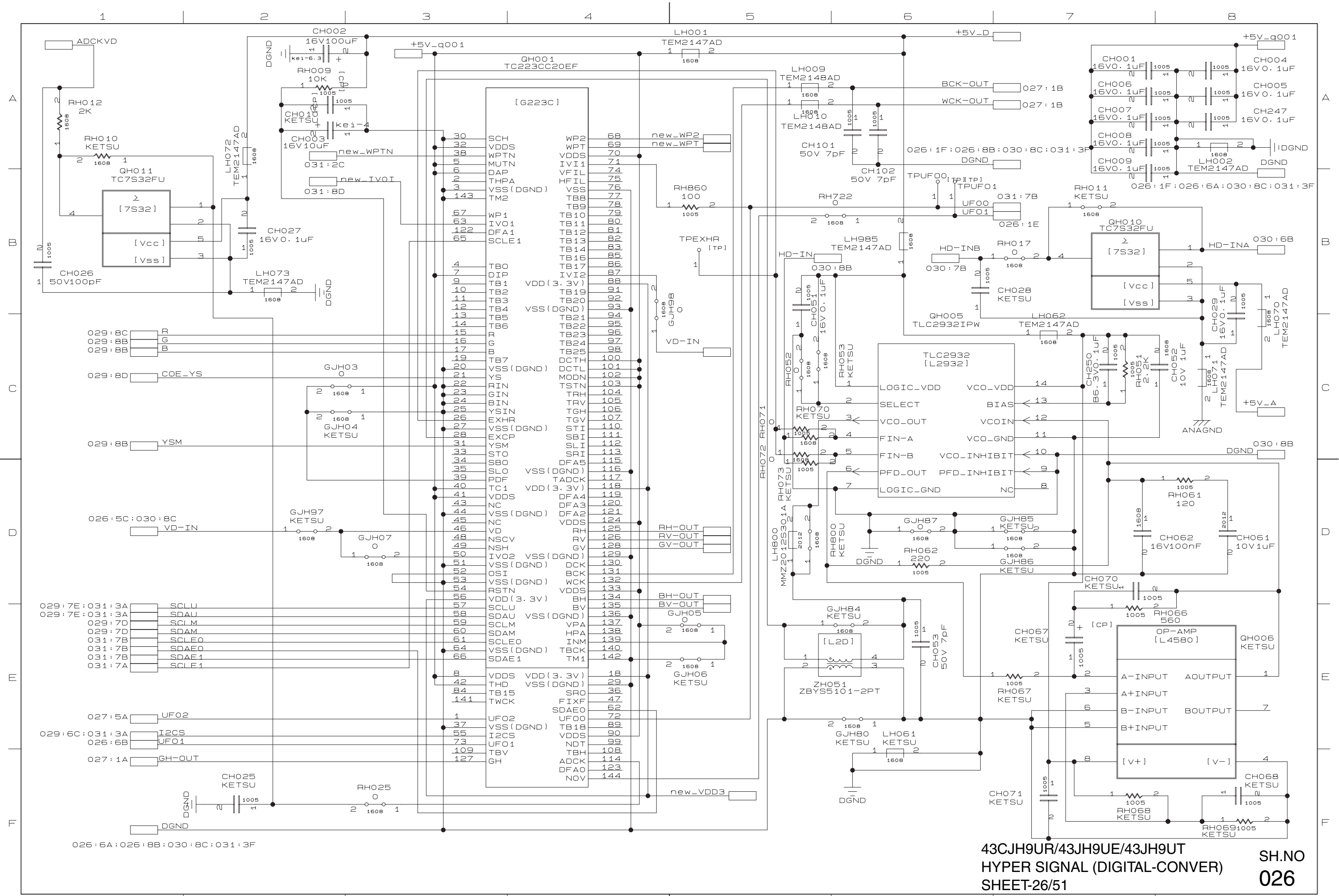
SH.NO
023



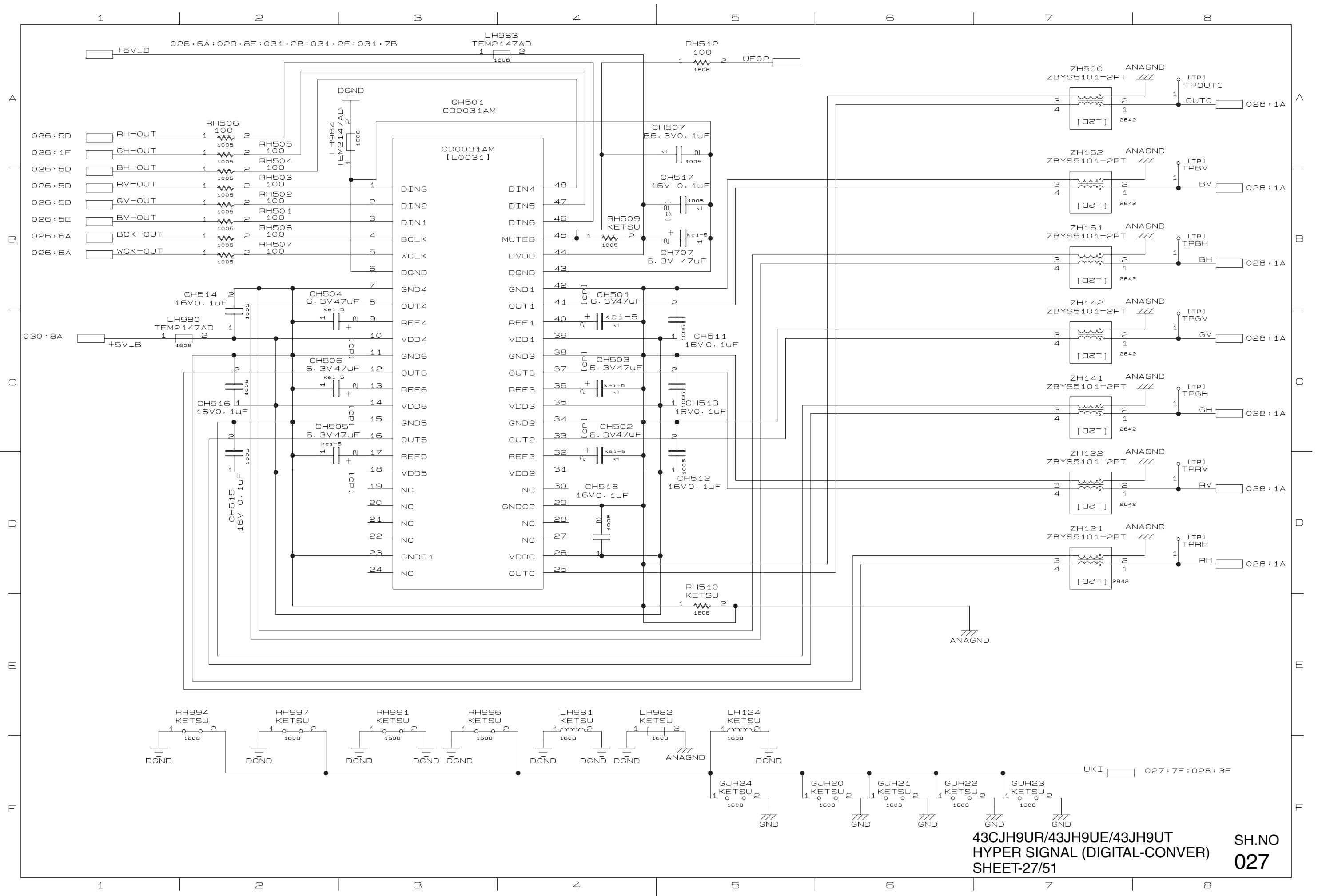
43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (GNESIS REG)
SHEET-24/51

SH.NO
024

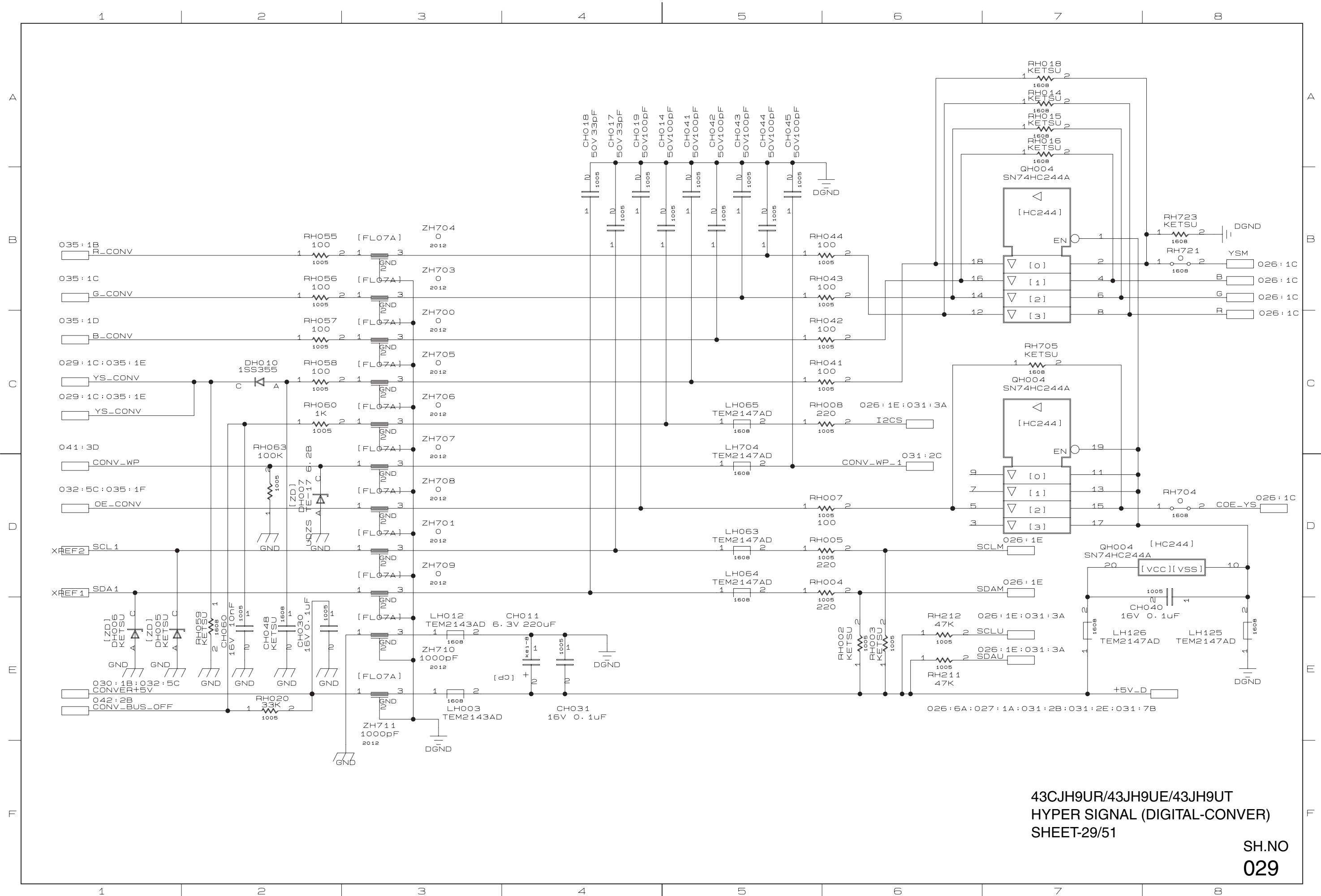


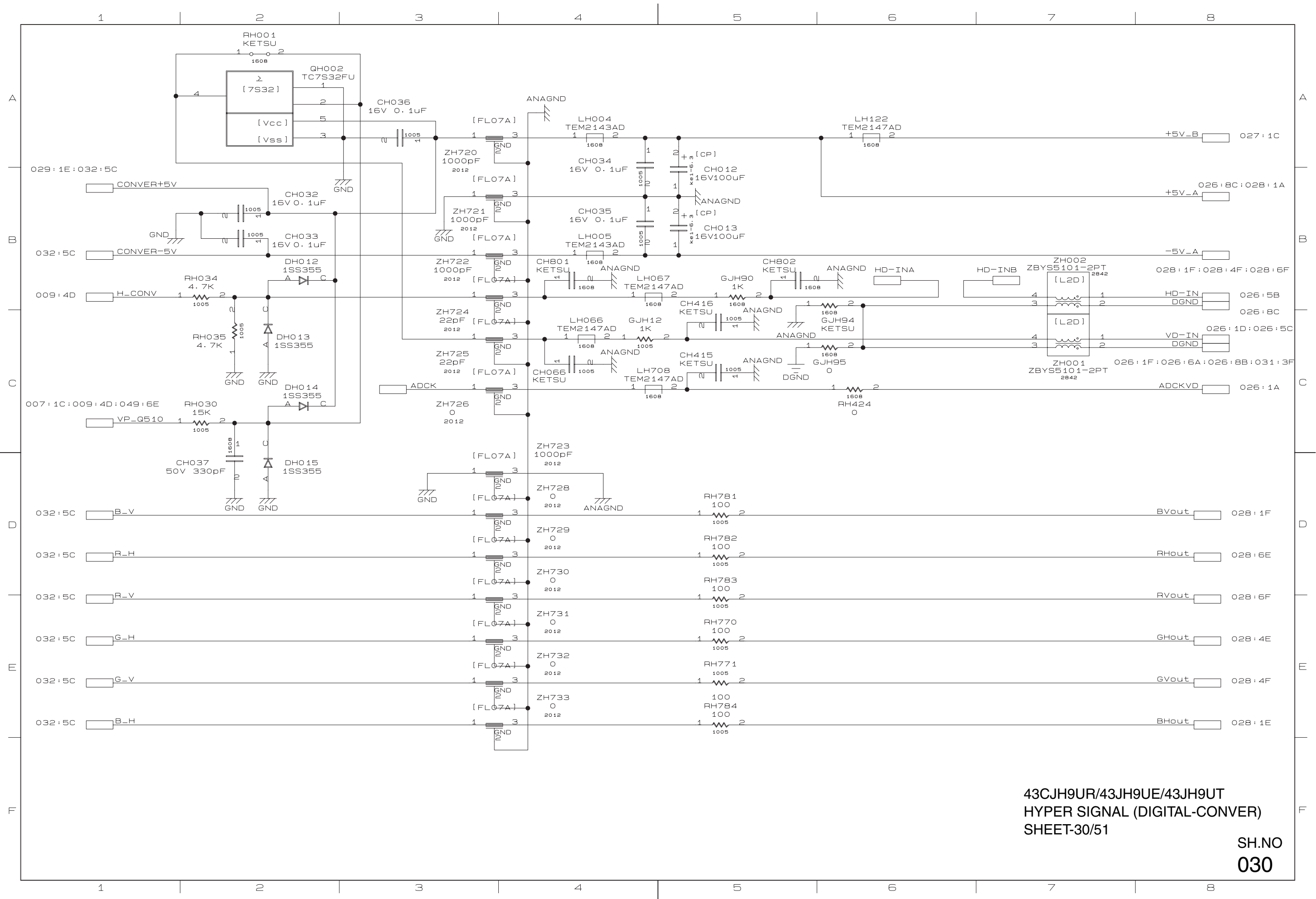


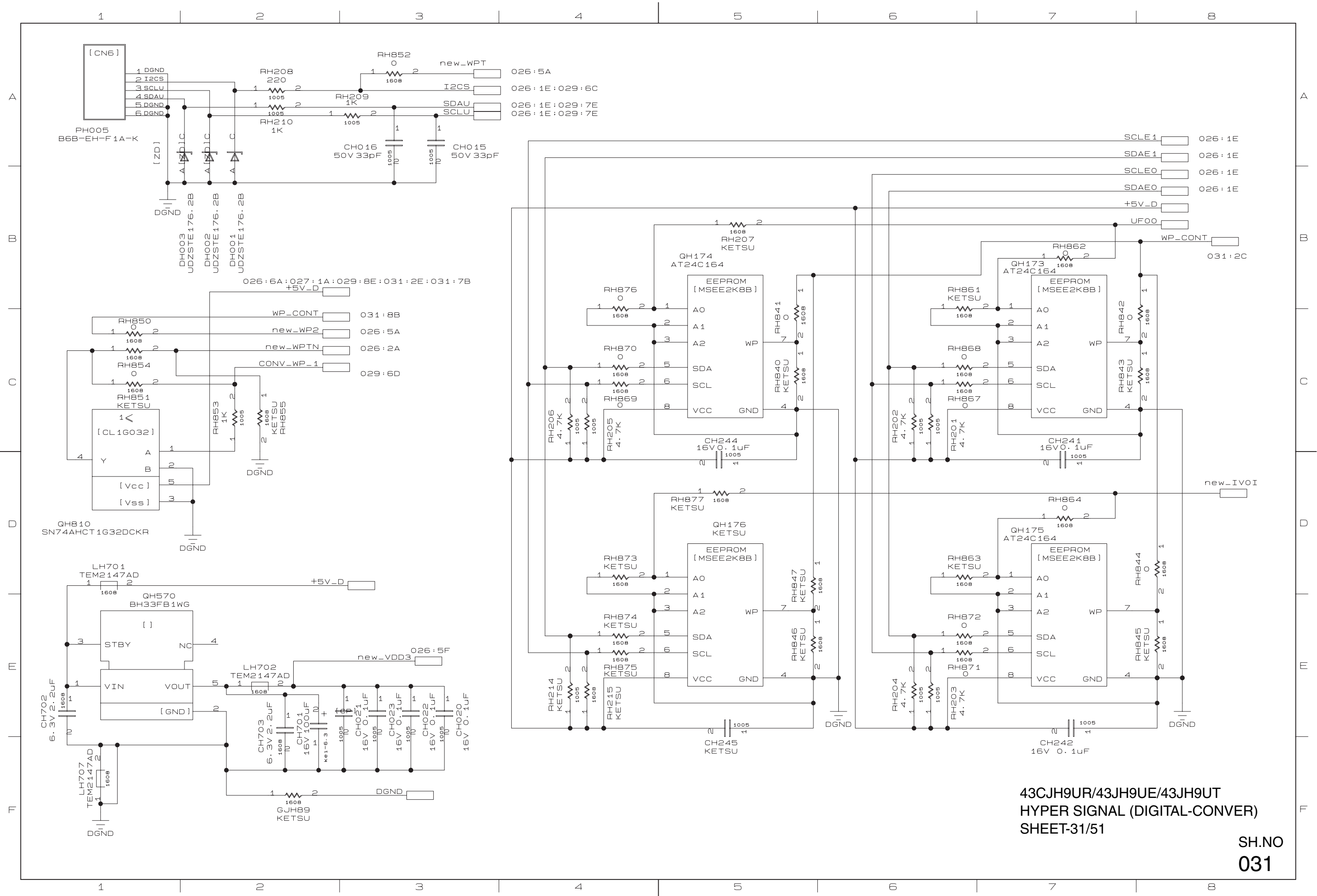
43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (DIGITAL-CONVER)
SHEET-26/51
SH.NO
026

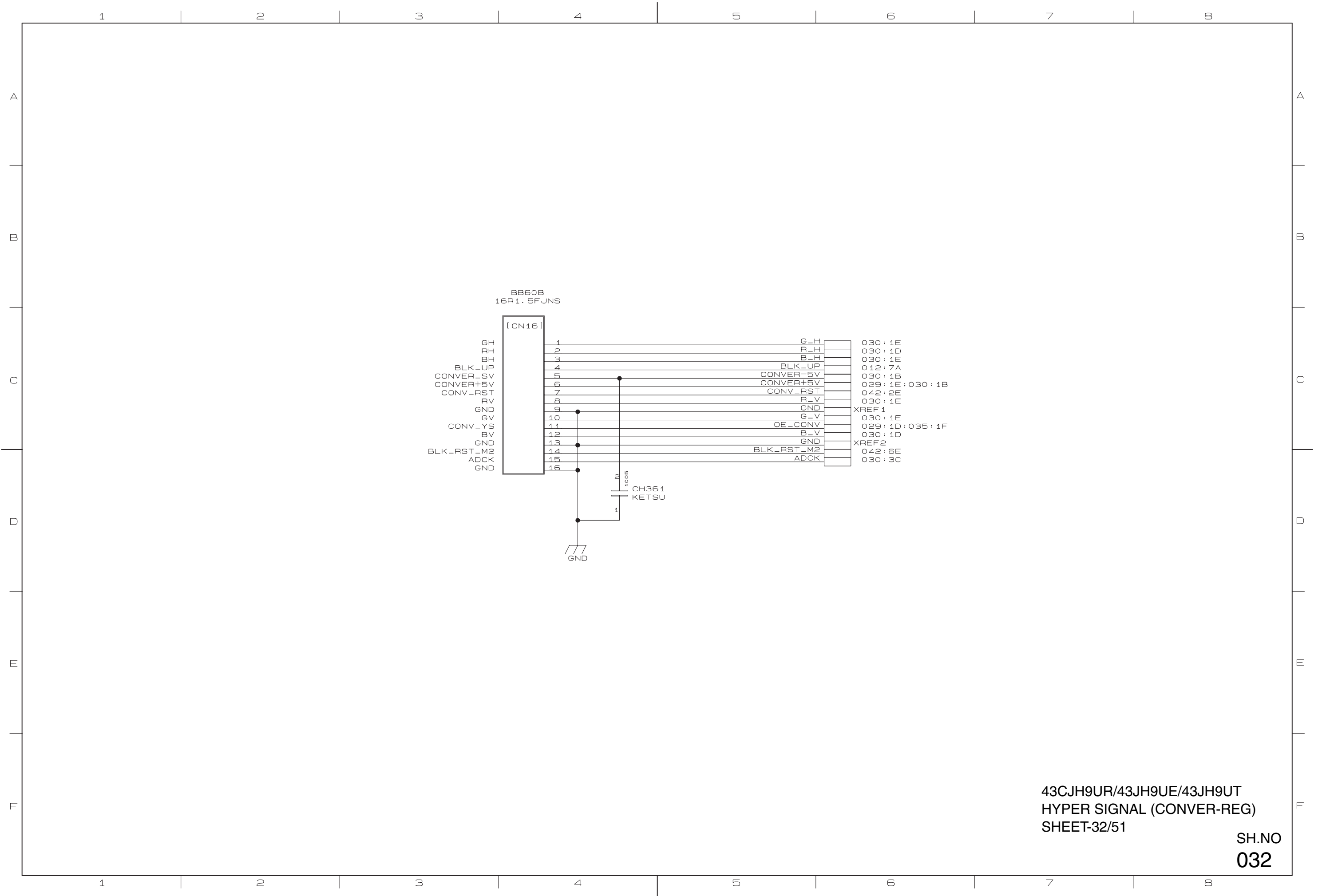






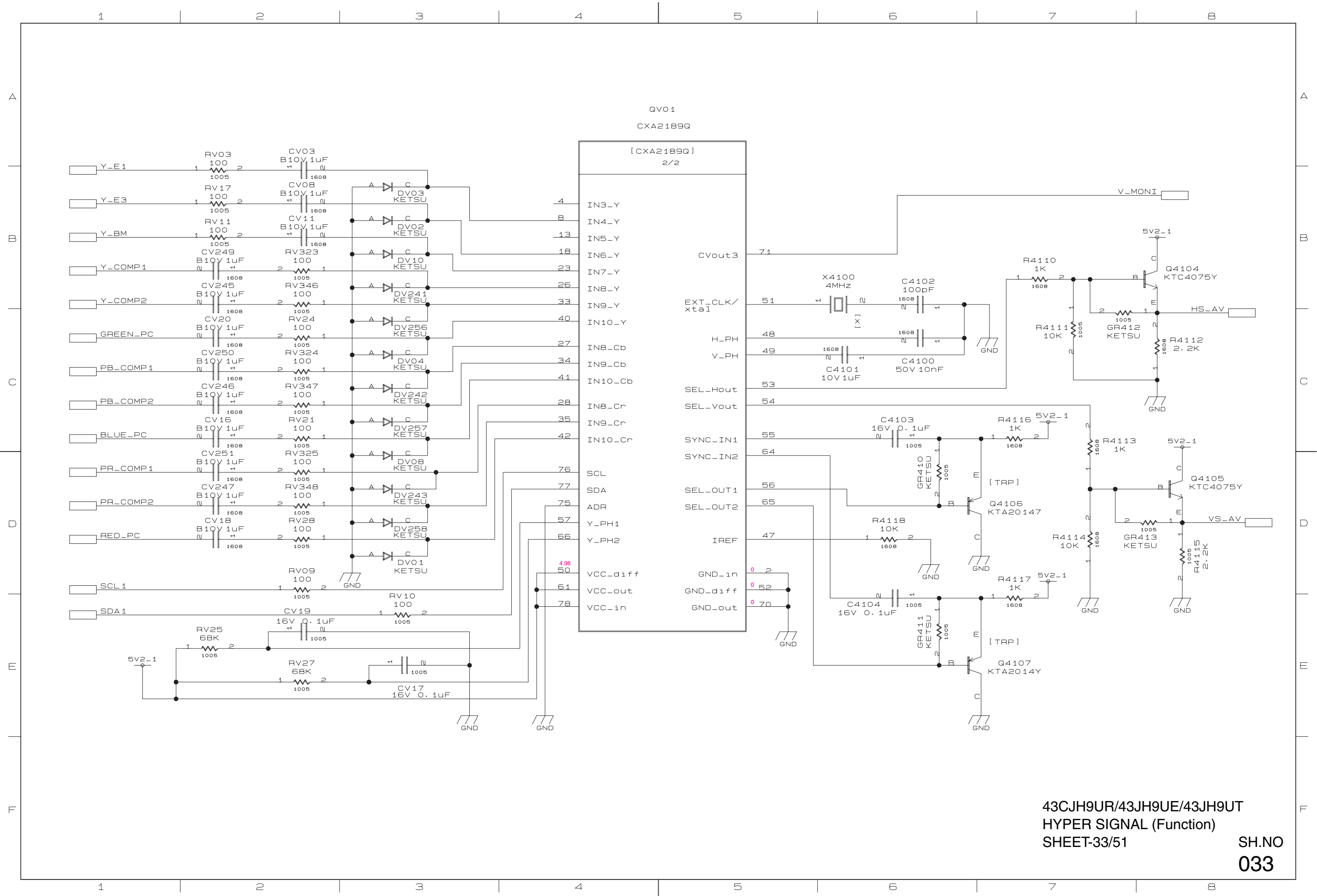






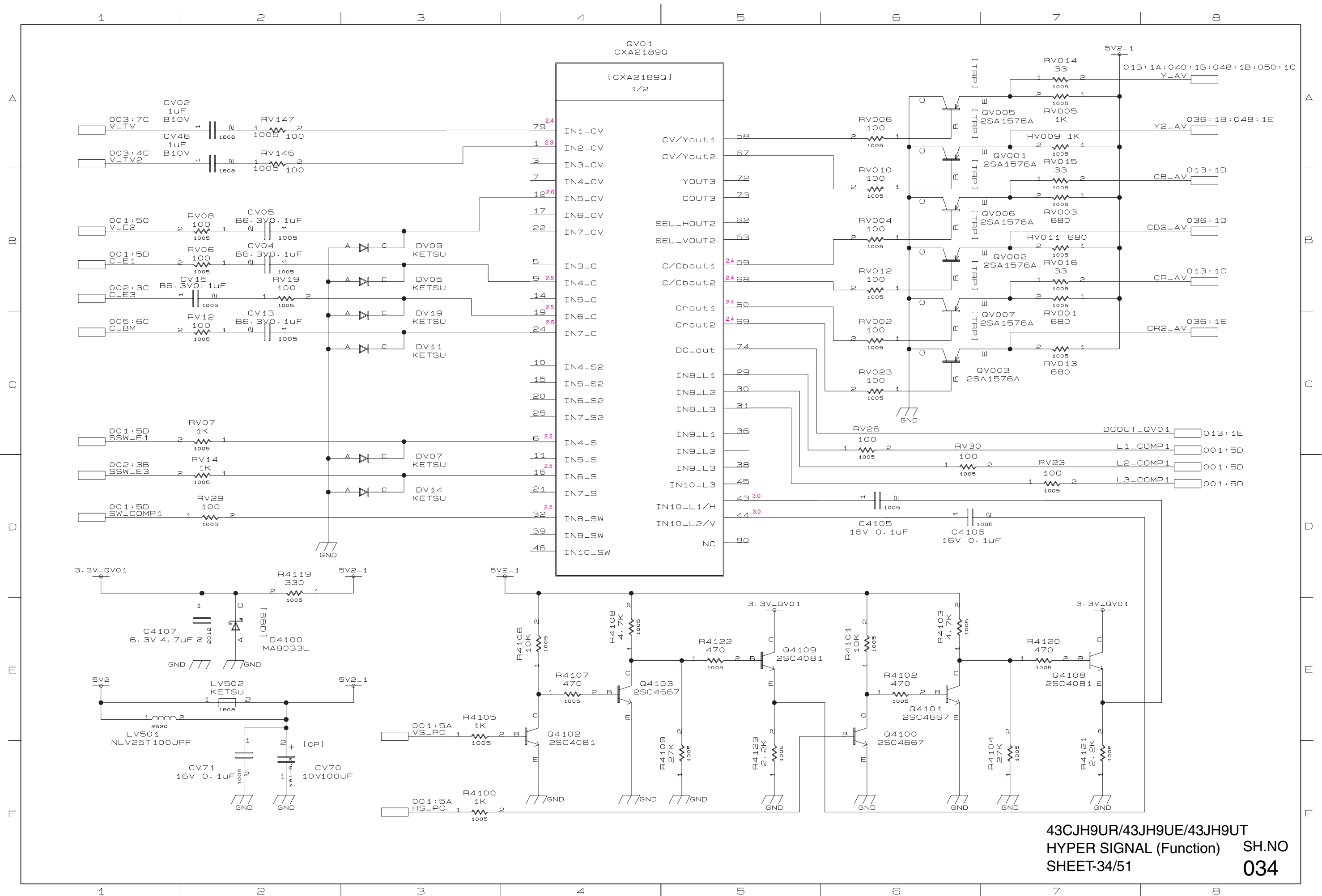
43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (CONVER-REG)
SHEET-32/51

SH.NO
032

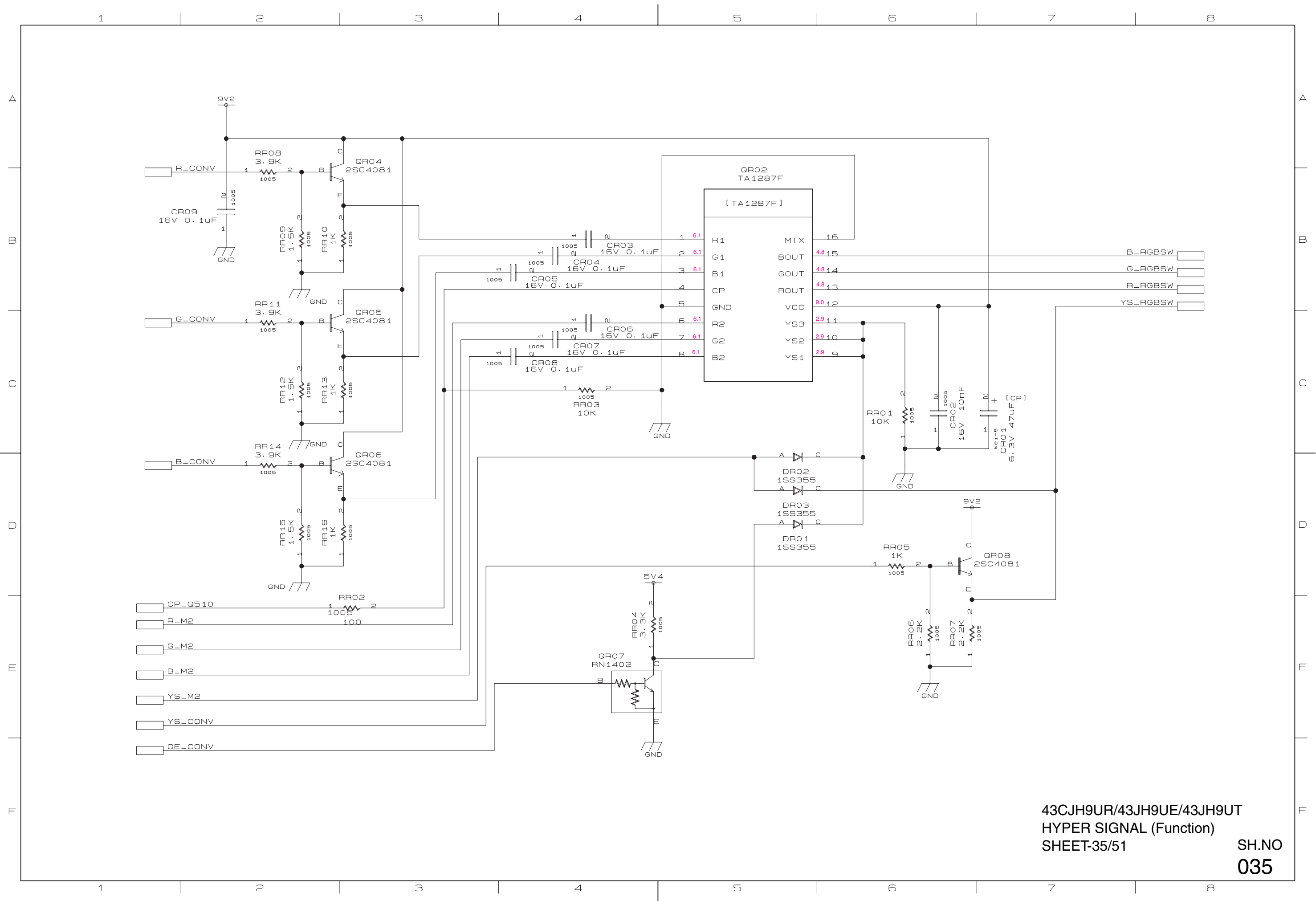


43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (Function)
SHEET-33/51

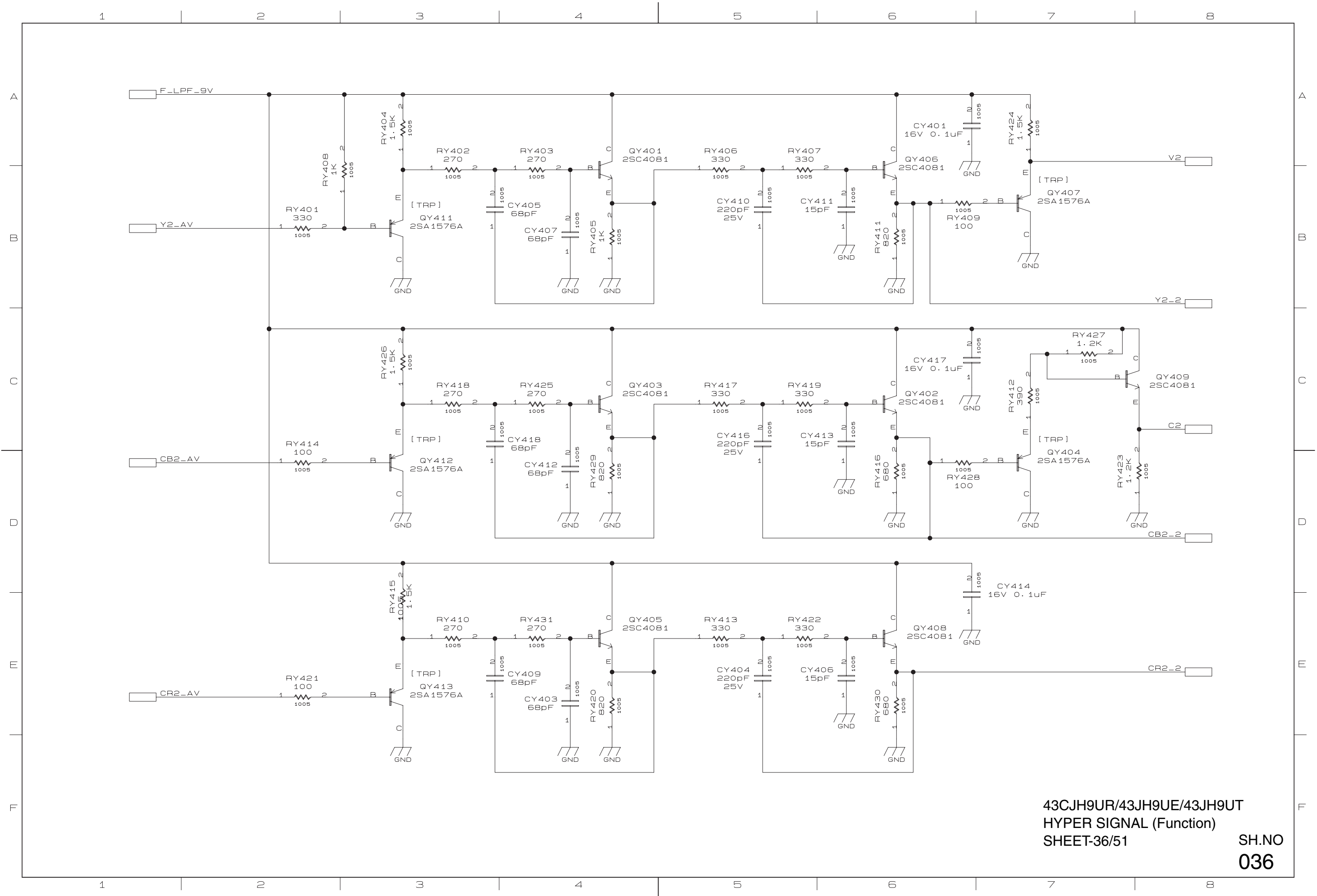
SH.NO
033

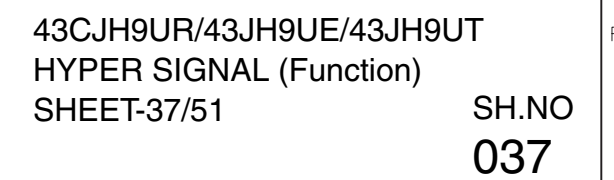


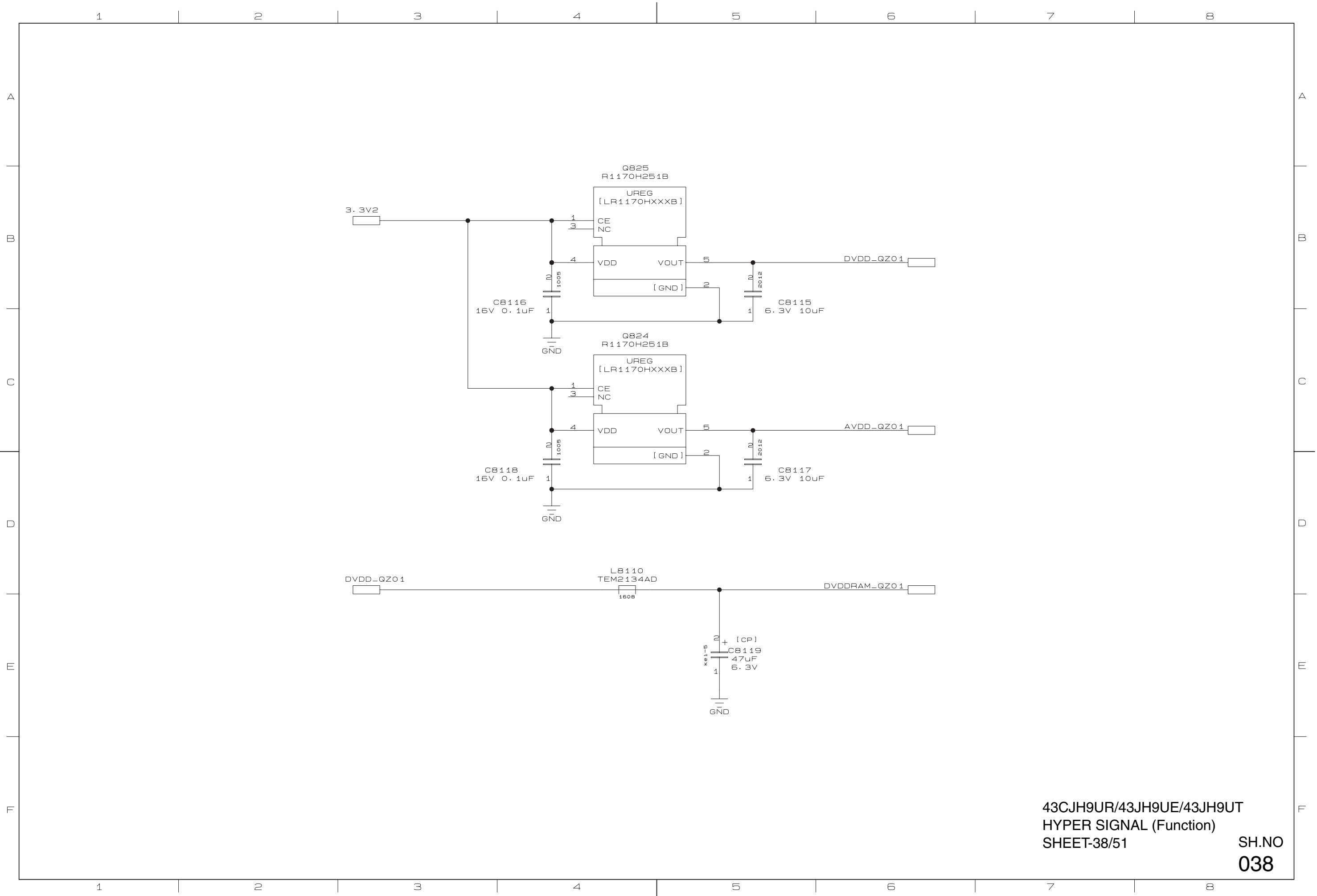
43CJH9UR/43JH9UE/43JH9UT
 HYPER SIGNAL (Function) SH.NO
 SHEET-34/51 034



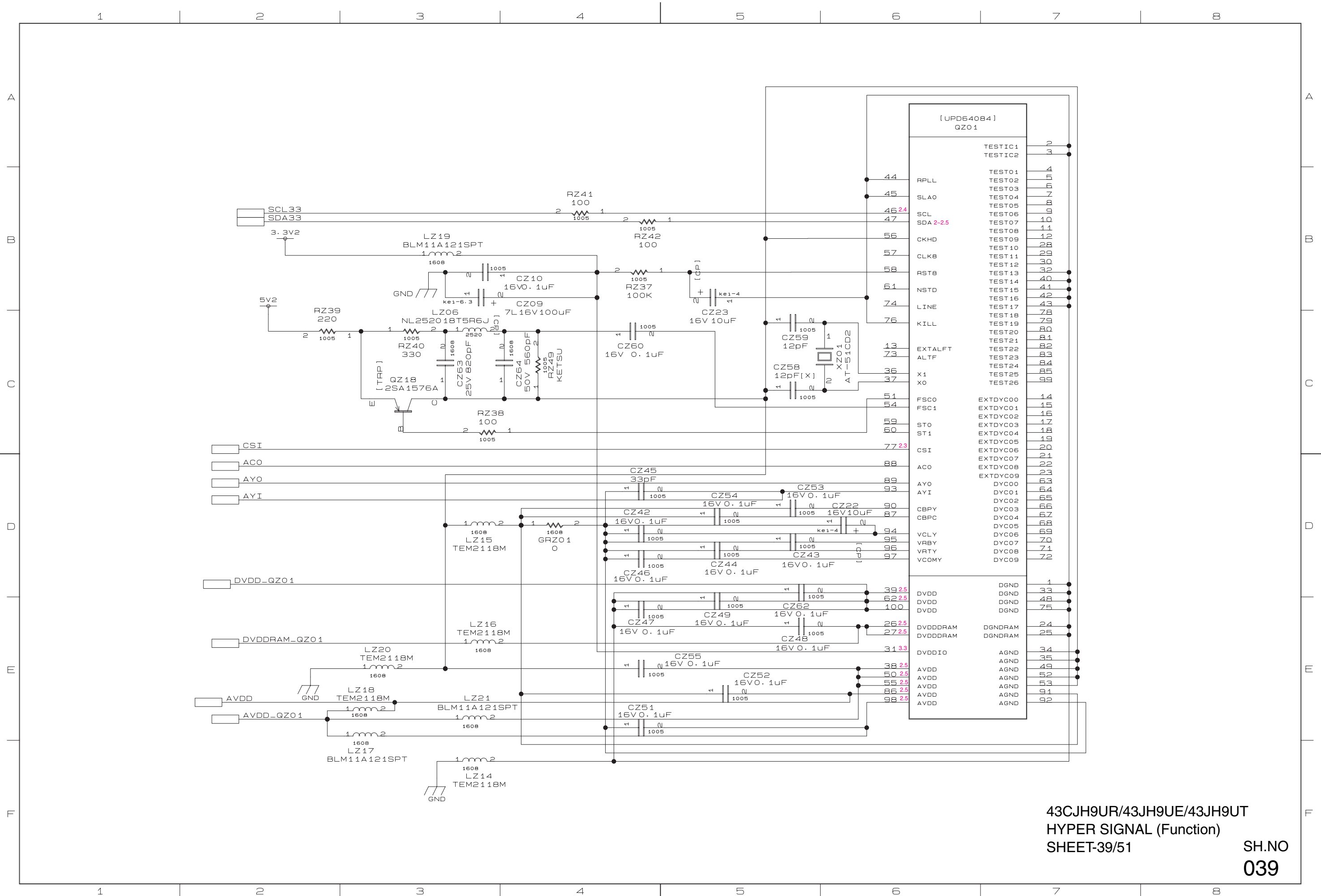
SH.NO
035



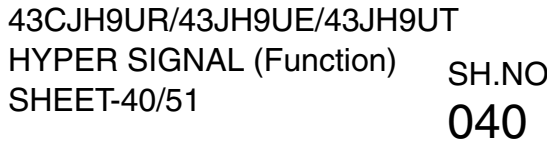


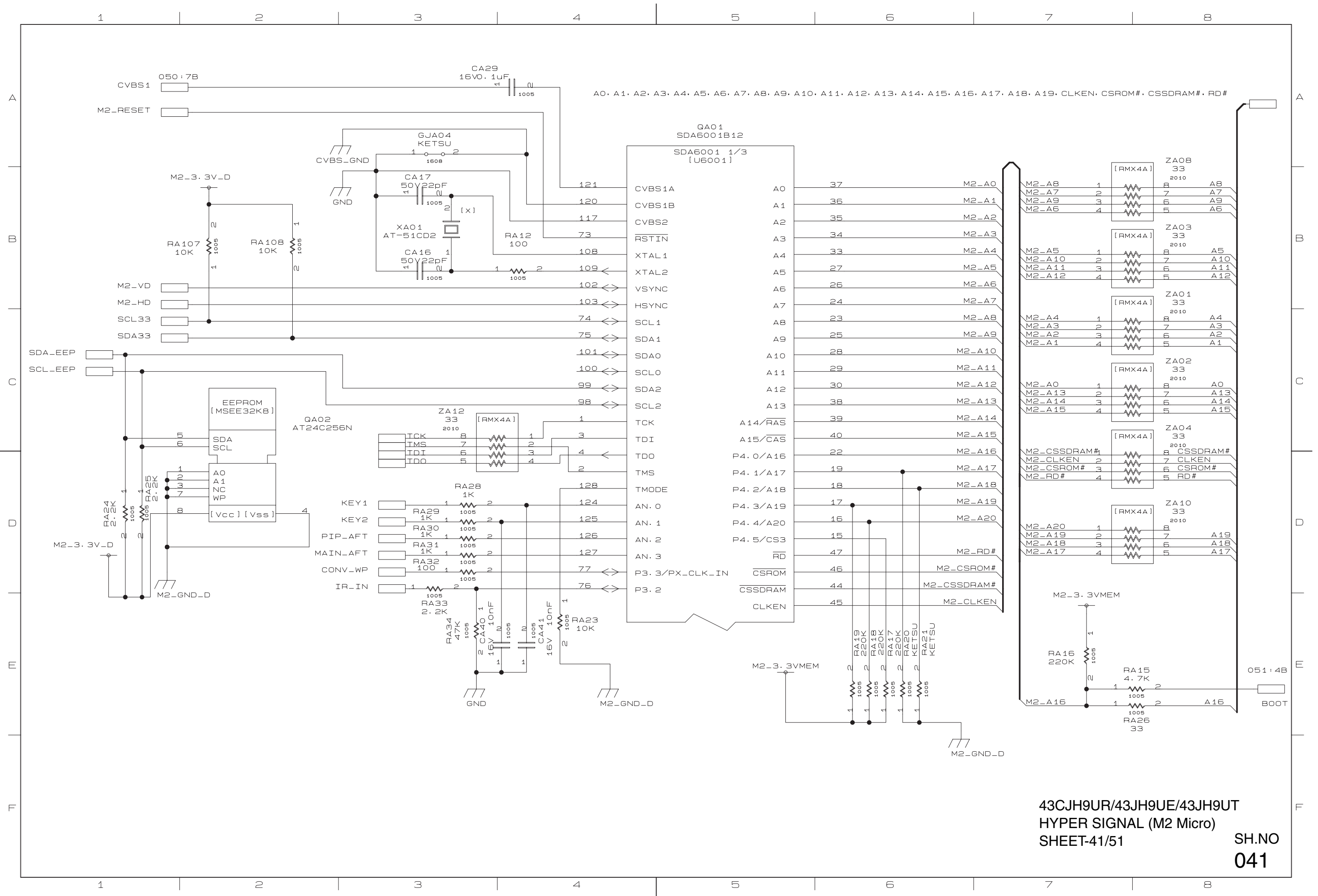


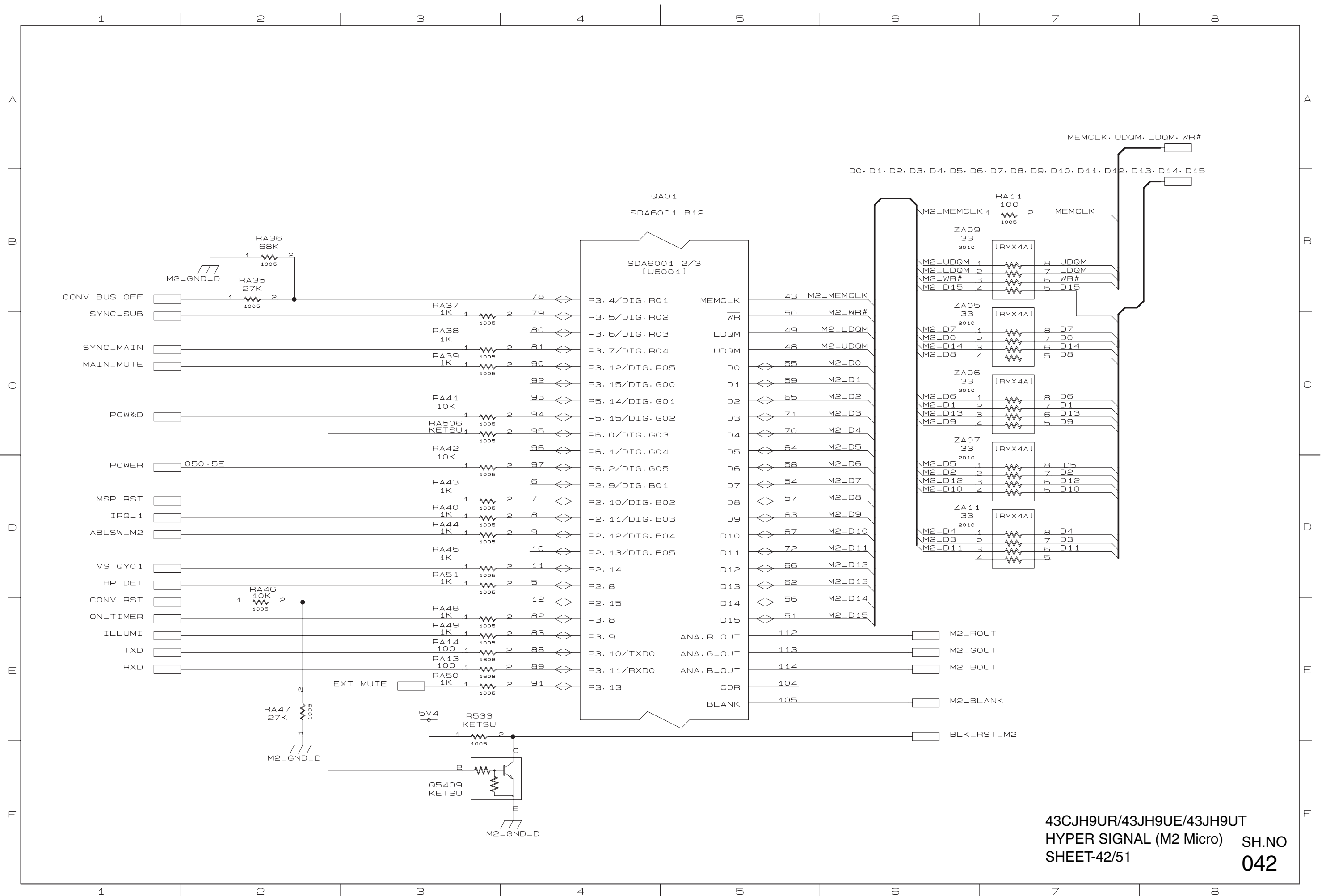
43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (Function)
SHEET-38/51
SH.NO
038

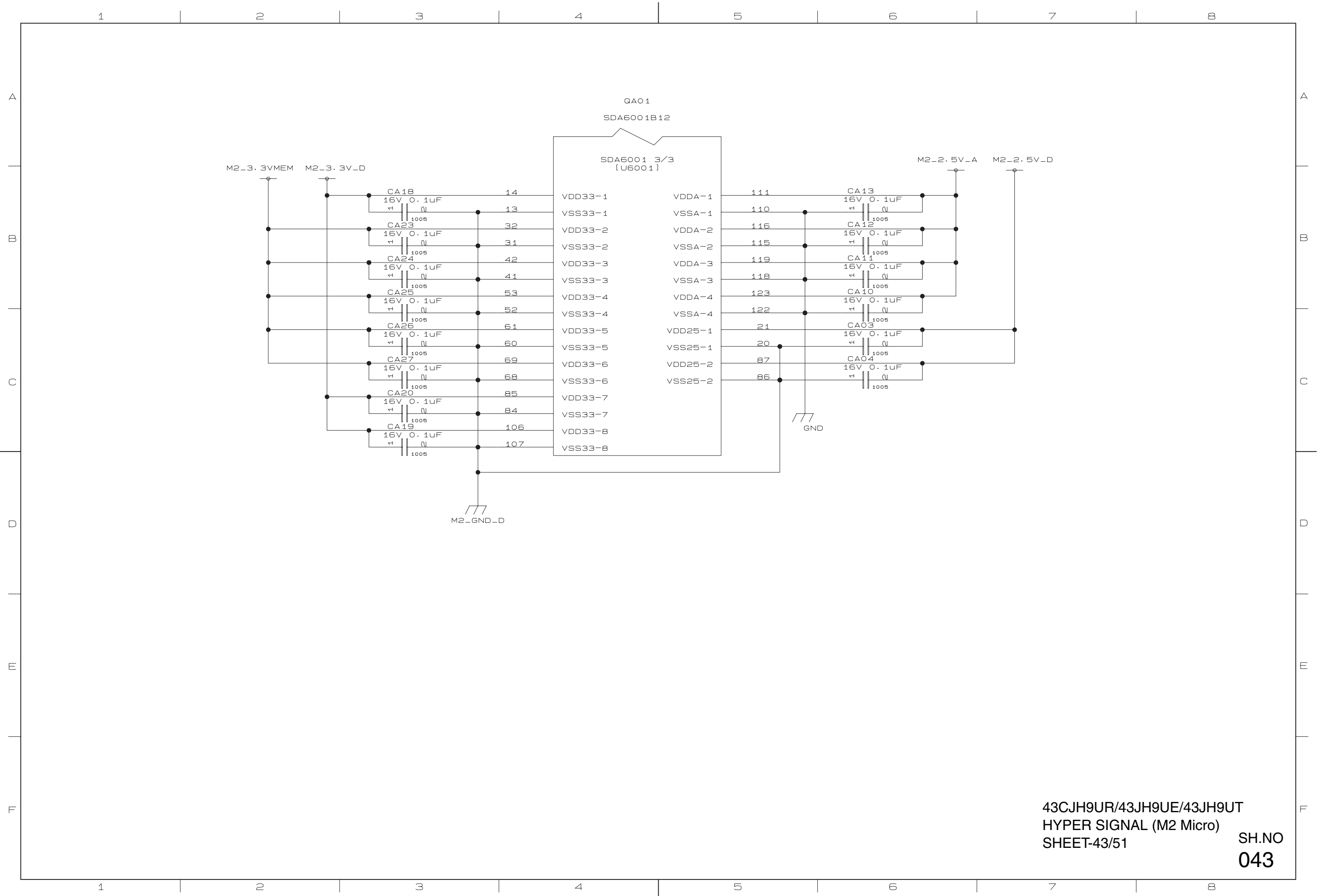


SH.NO
039





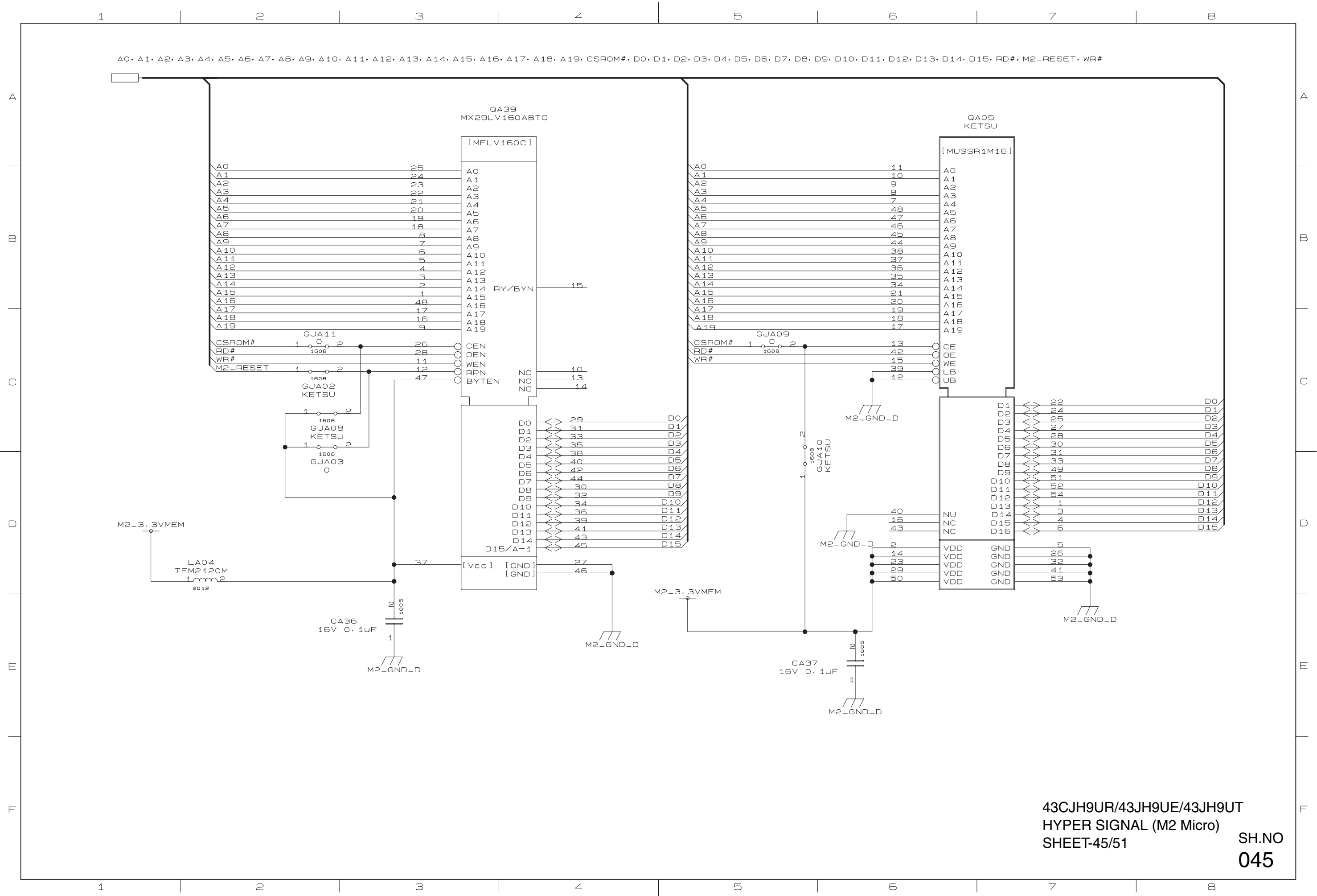


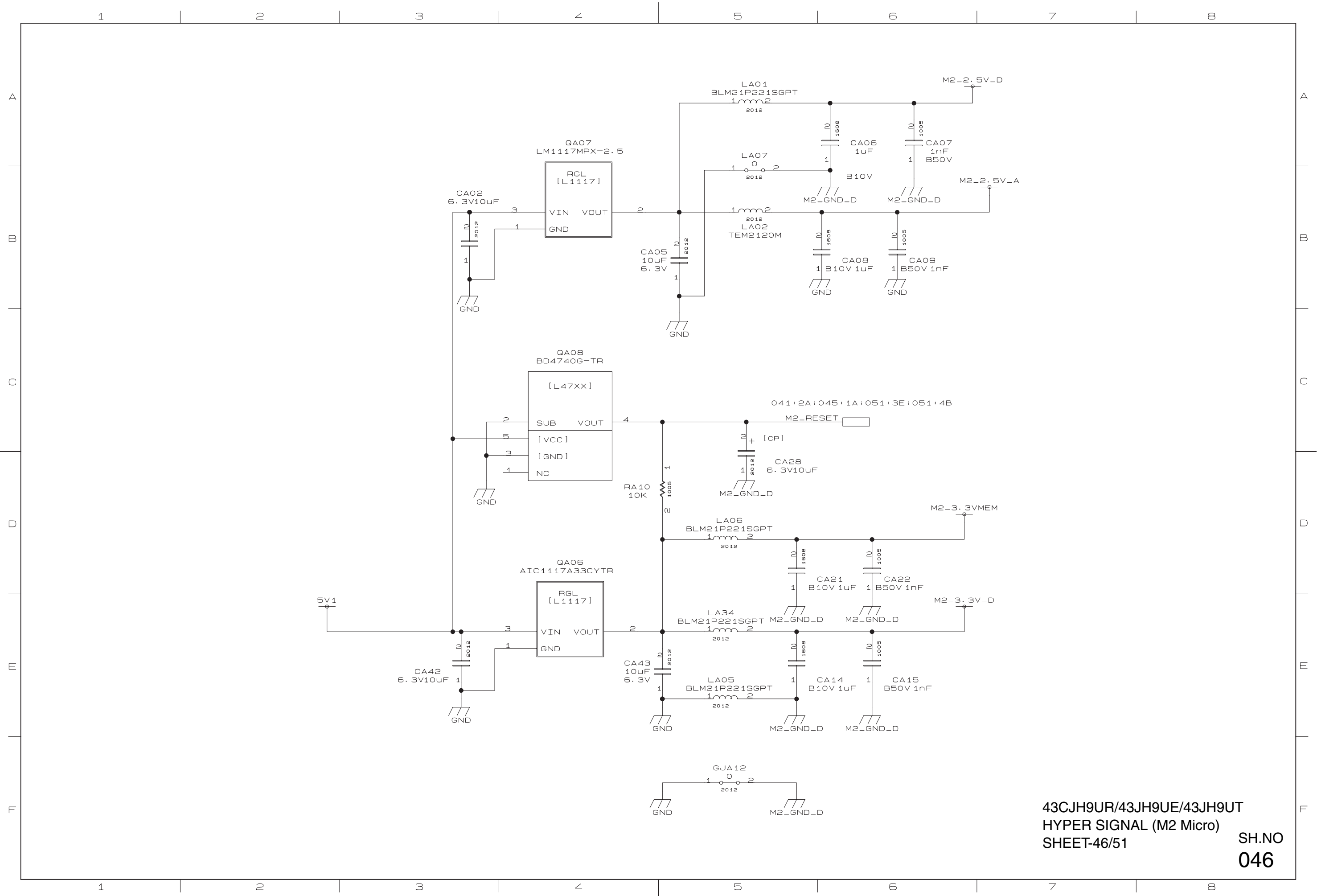


43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (M2 Micro)
SHEET-43/51

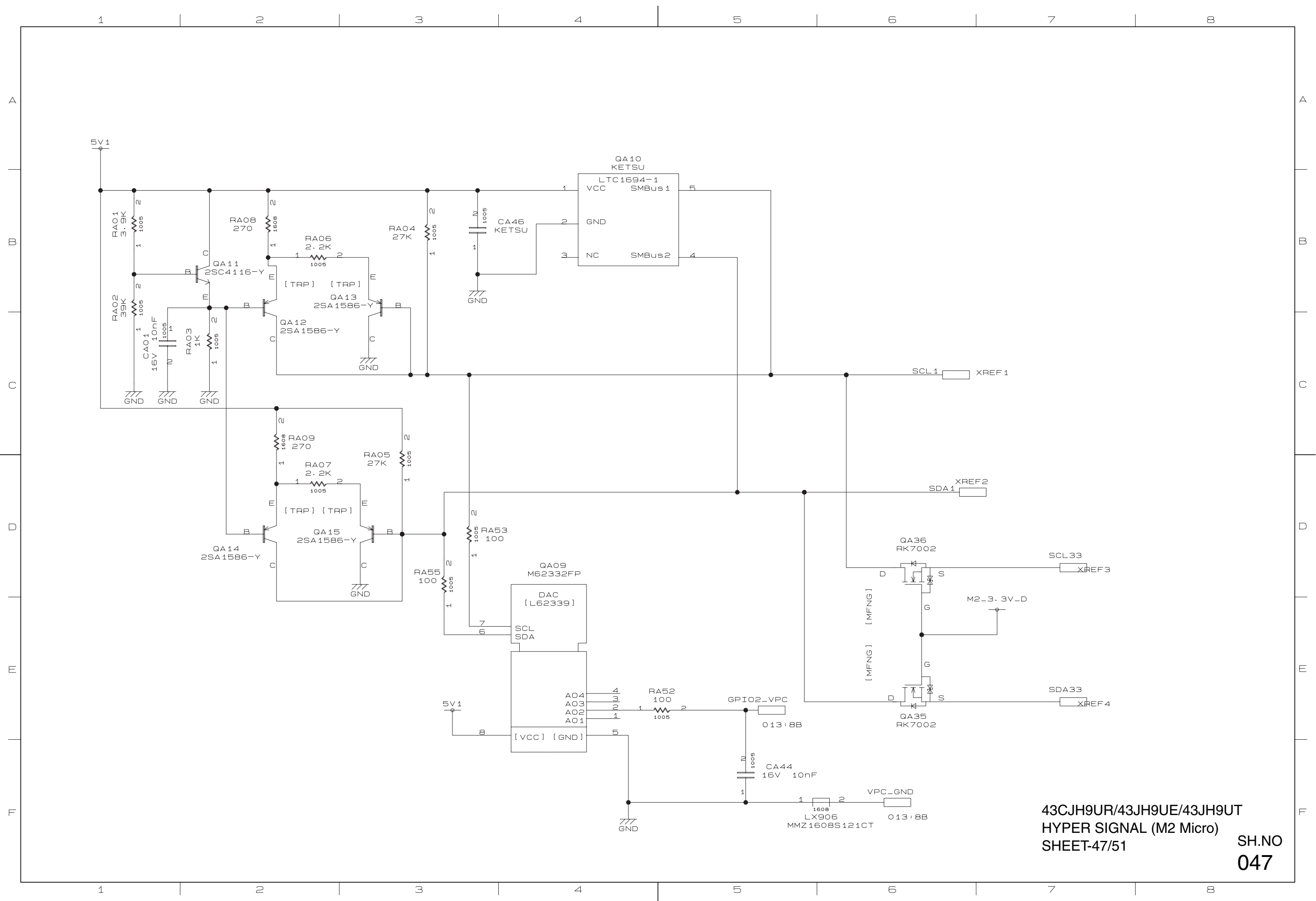
SH.NO
043

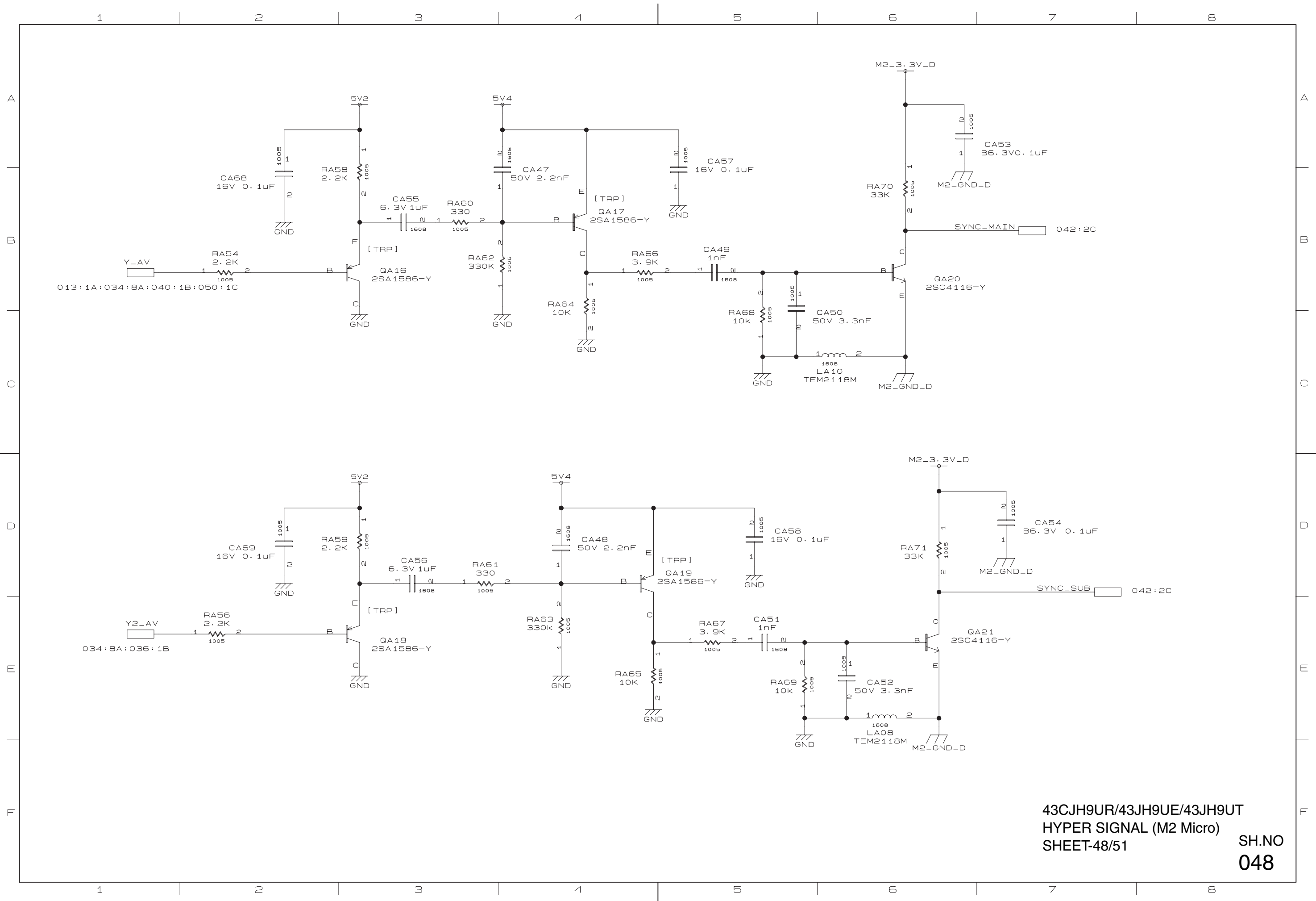


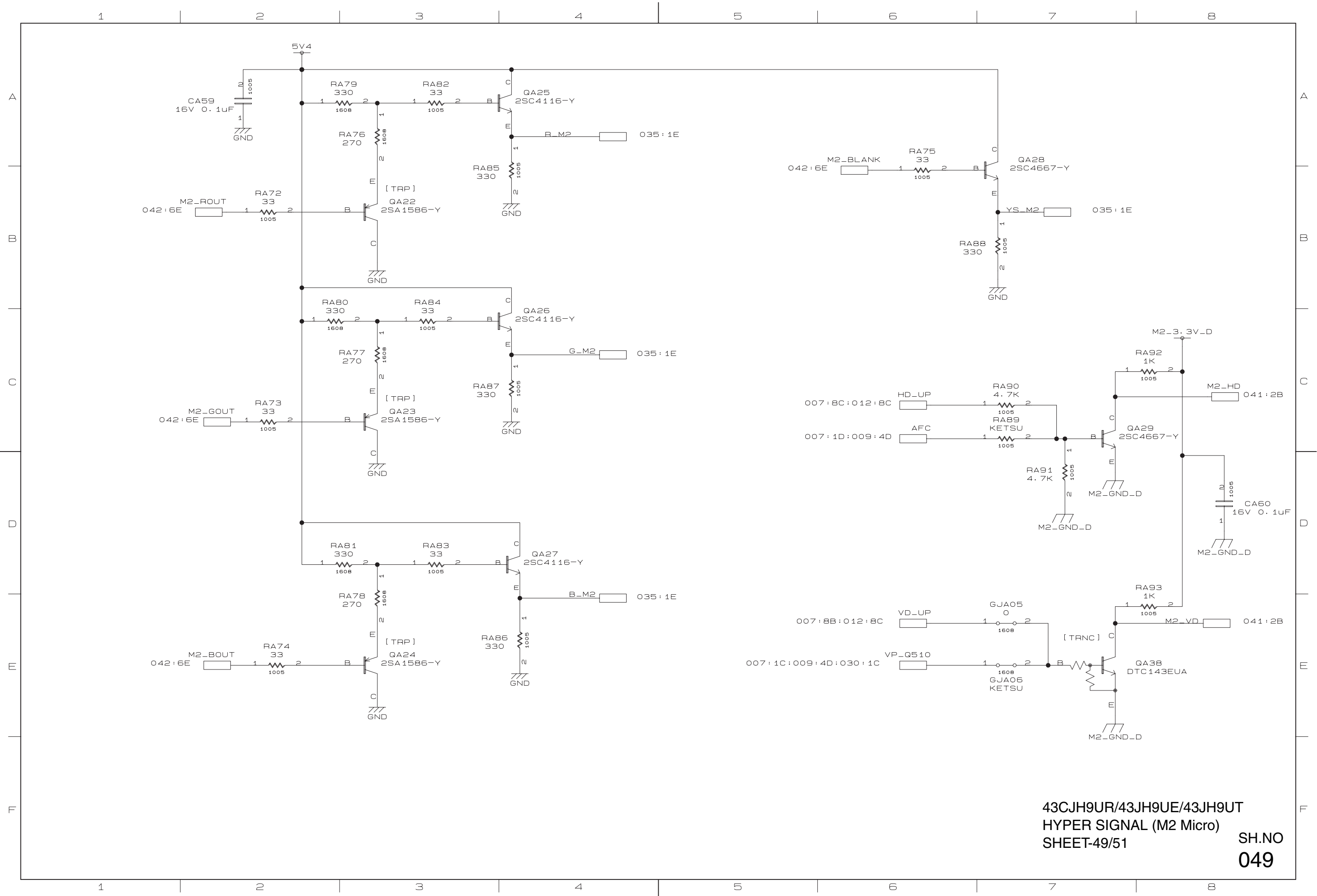




43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (M2 Micro)
SHEET-46/51
SH.NO
046

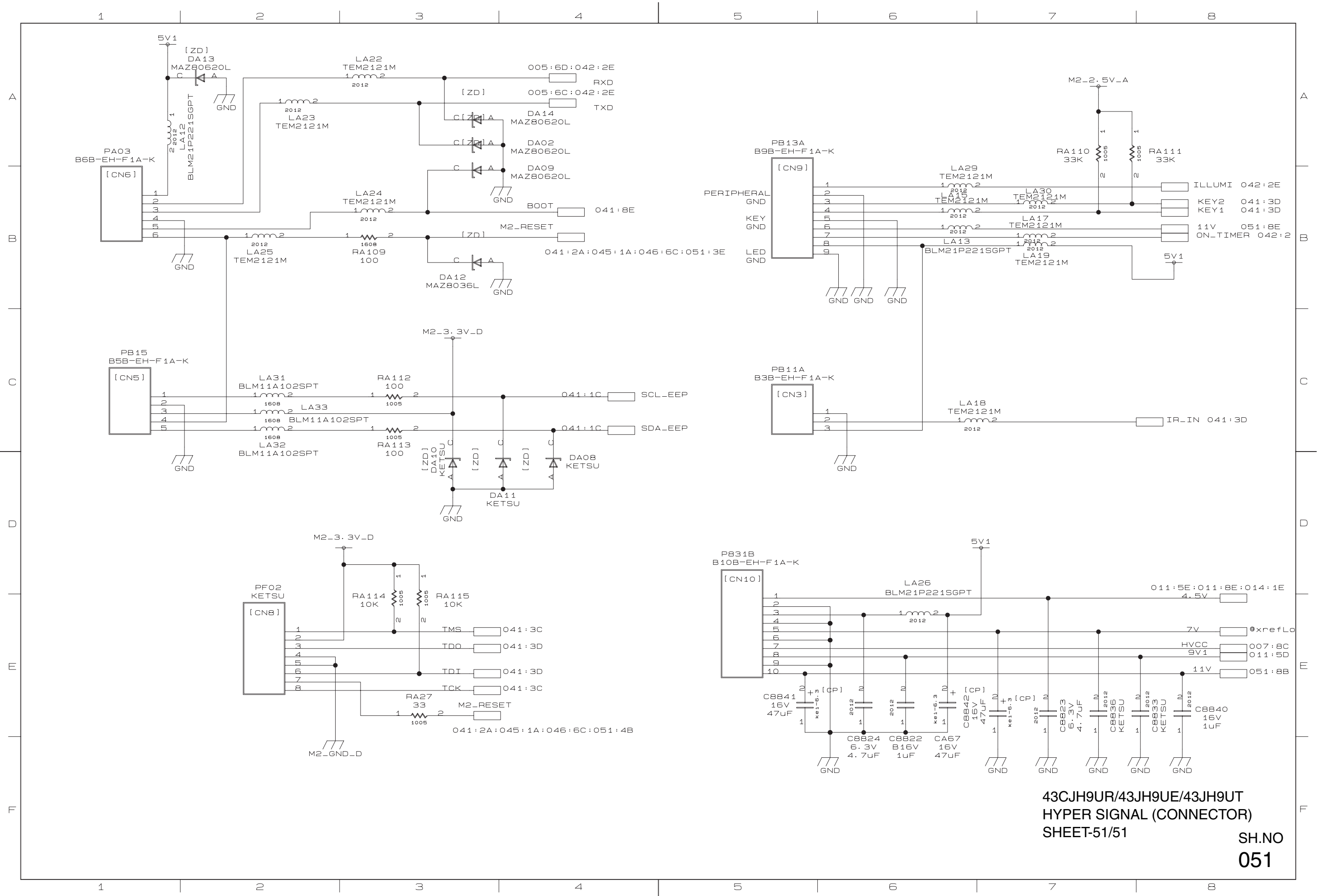






43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (M2 Micro)
SHEET-49/51
SH.NO
049





43CJH9UR/43JH9UE/43JH9UT
HYPER SIGNAL (CONNECTOR)
SHEET-51/51
SH.NO
051