

**TOSHIBA**

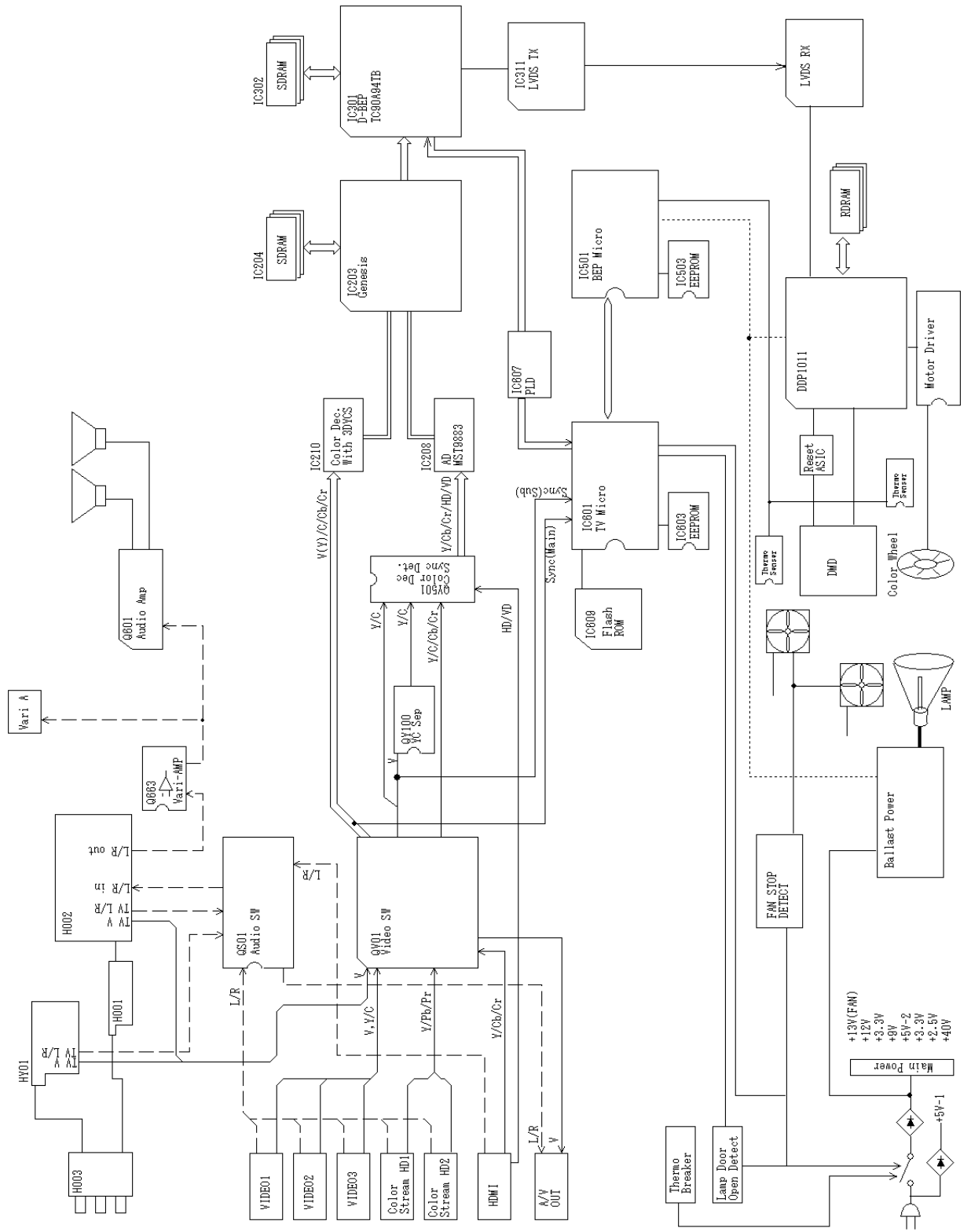
FILE NO. 020-200506

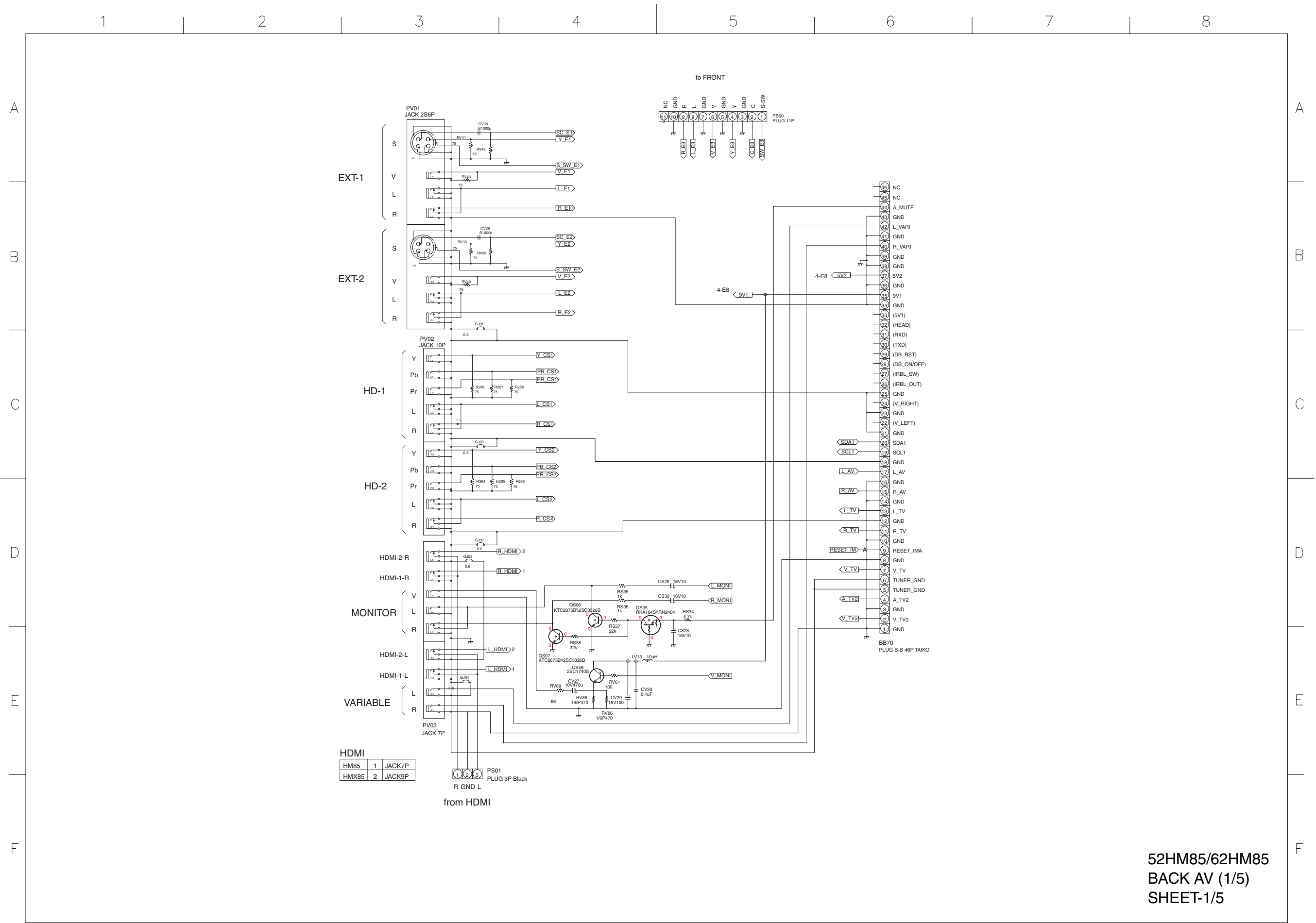
SERVICE MANUAL

# Projection Television

***52HM85***  
***62HM85***

# CIRCUIT BLOCK DIAGRAM

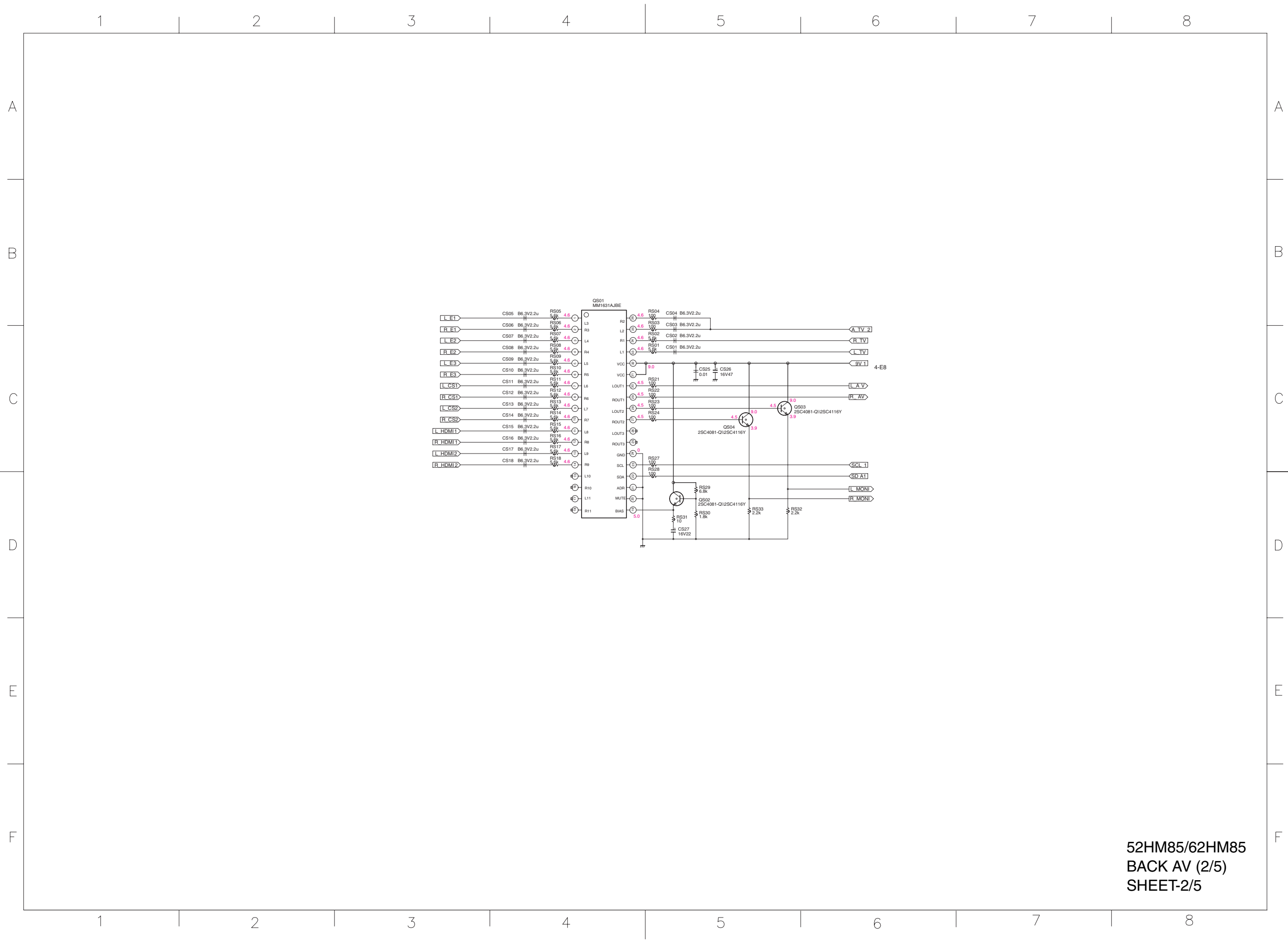




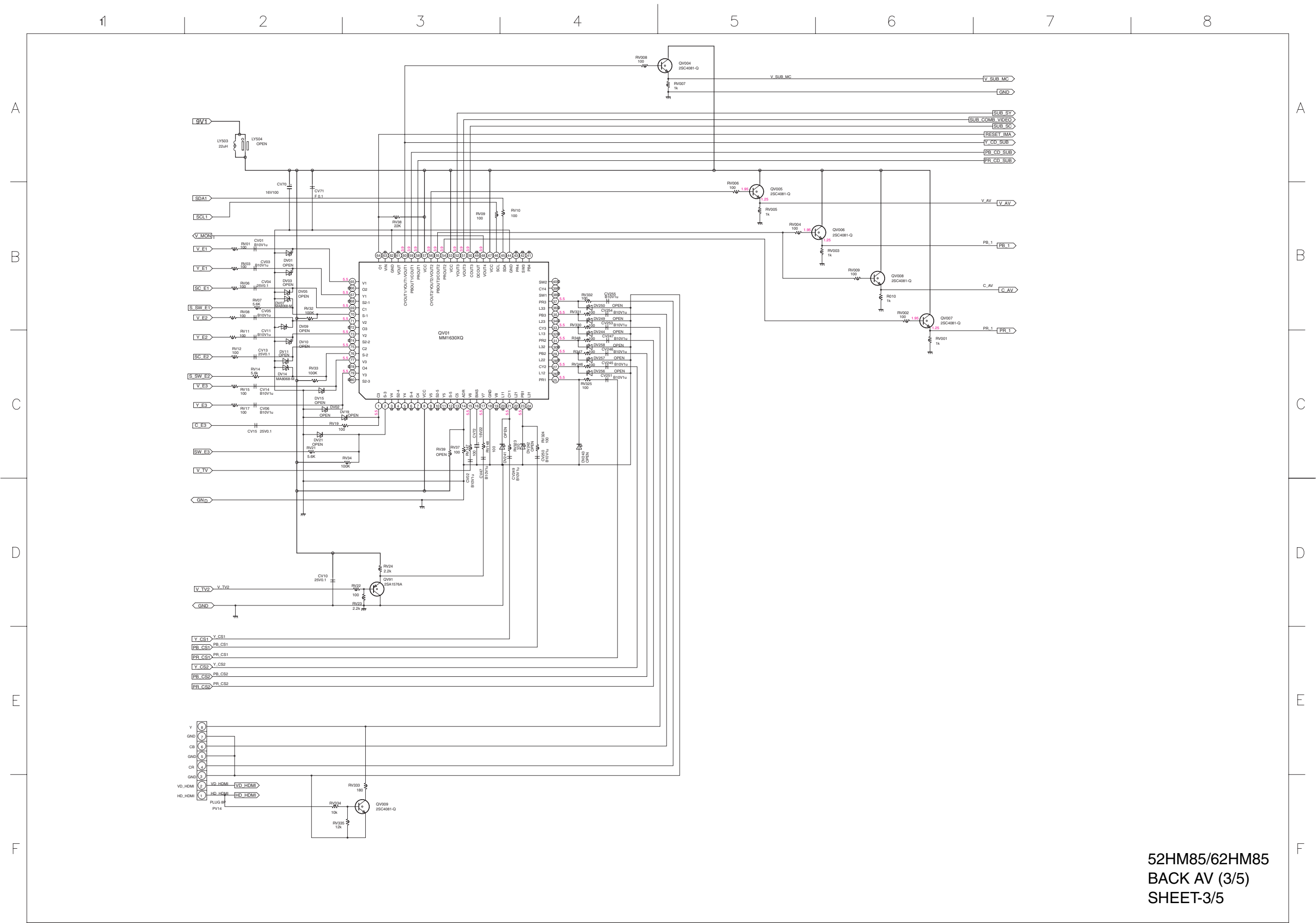
HDMI	
HMB5	1 JACK7P
HMX85	2 JACK9P

from HDMI  
 PS01 PLUG 3P Black  
 R GND L

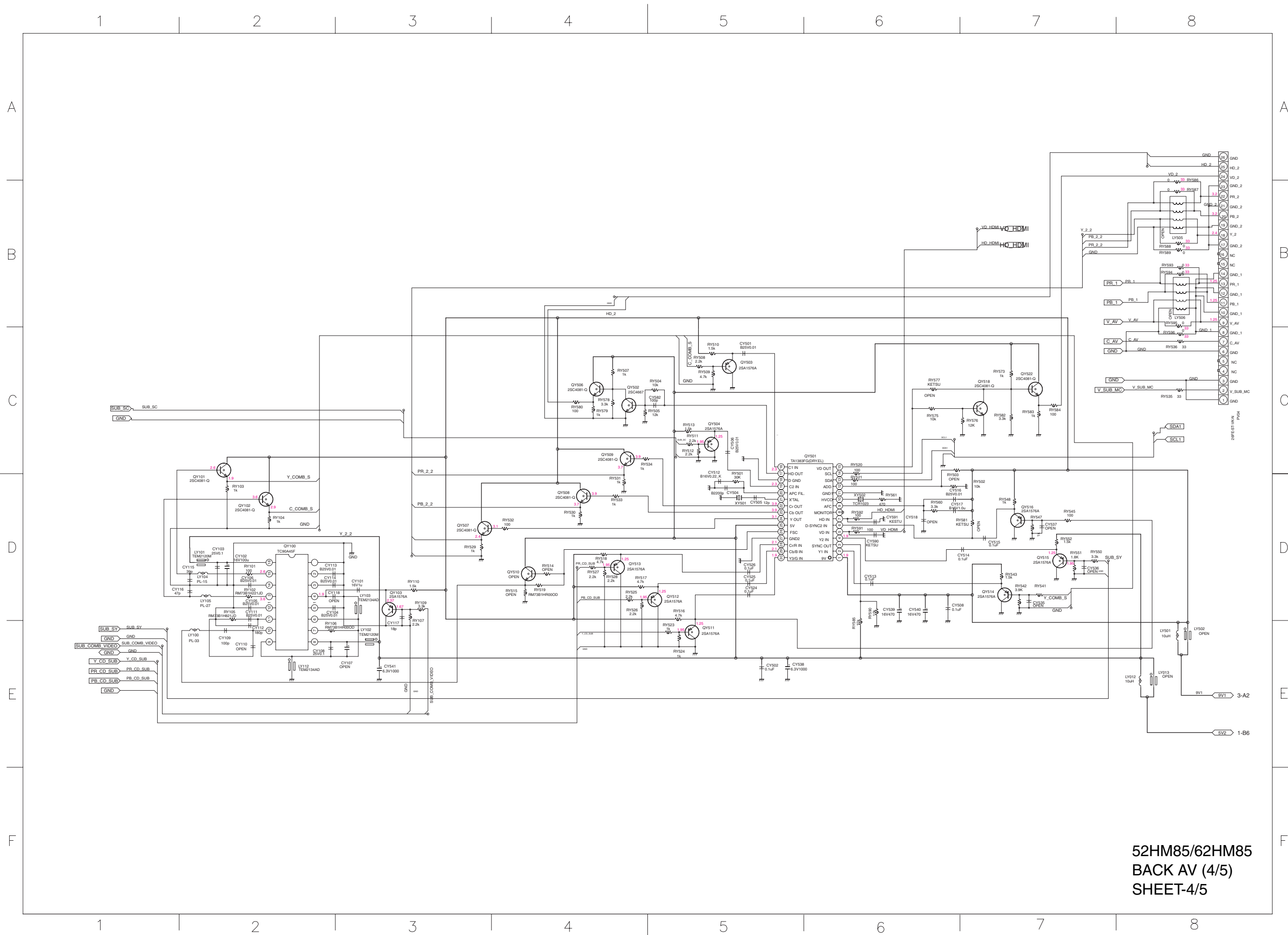
52HM85/62HM85  
 BACK AV (1/5)  
 SHEET-1/5



52HM85/62HM85  
 BACK AV (2/5)  
 SHEET-2/5



52HM85/62HM85  
 BACK AV (3/5)  
 SHEET-3/5



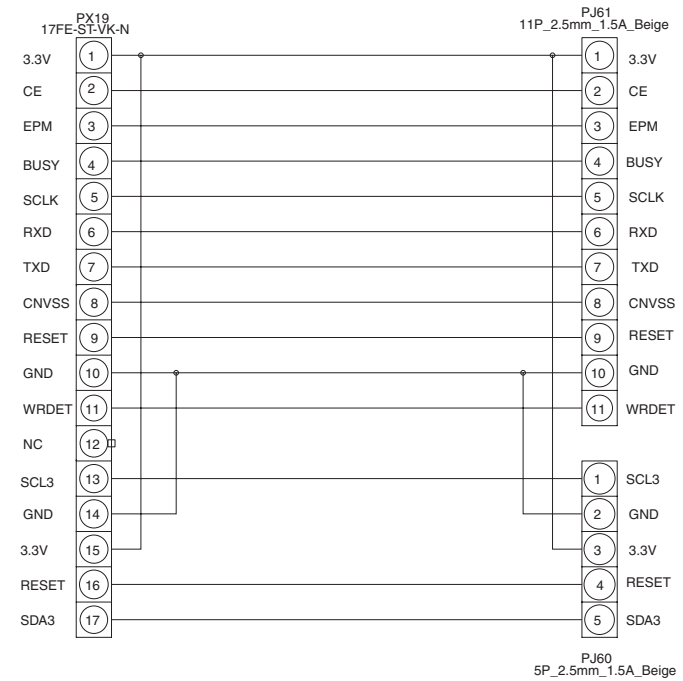
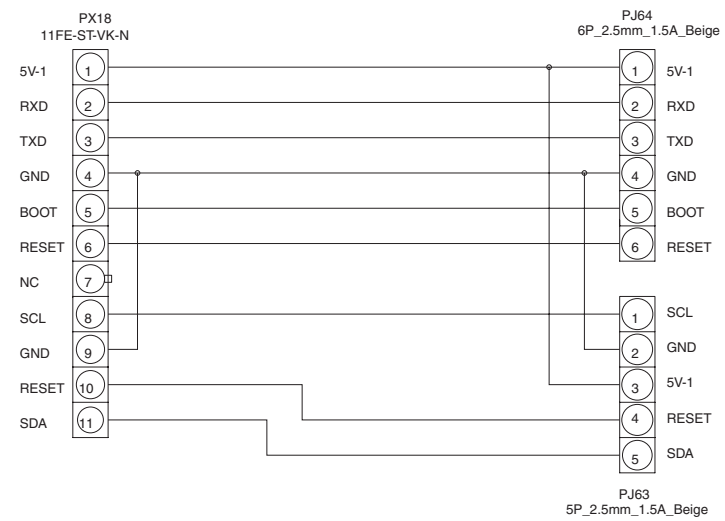
52HM85/62HM85  
BACK AV (4/5)  
SHEET-4/5

1

2

A

A



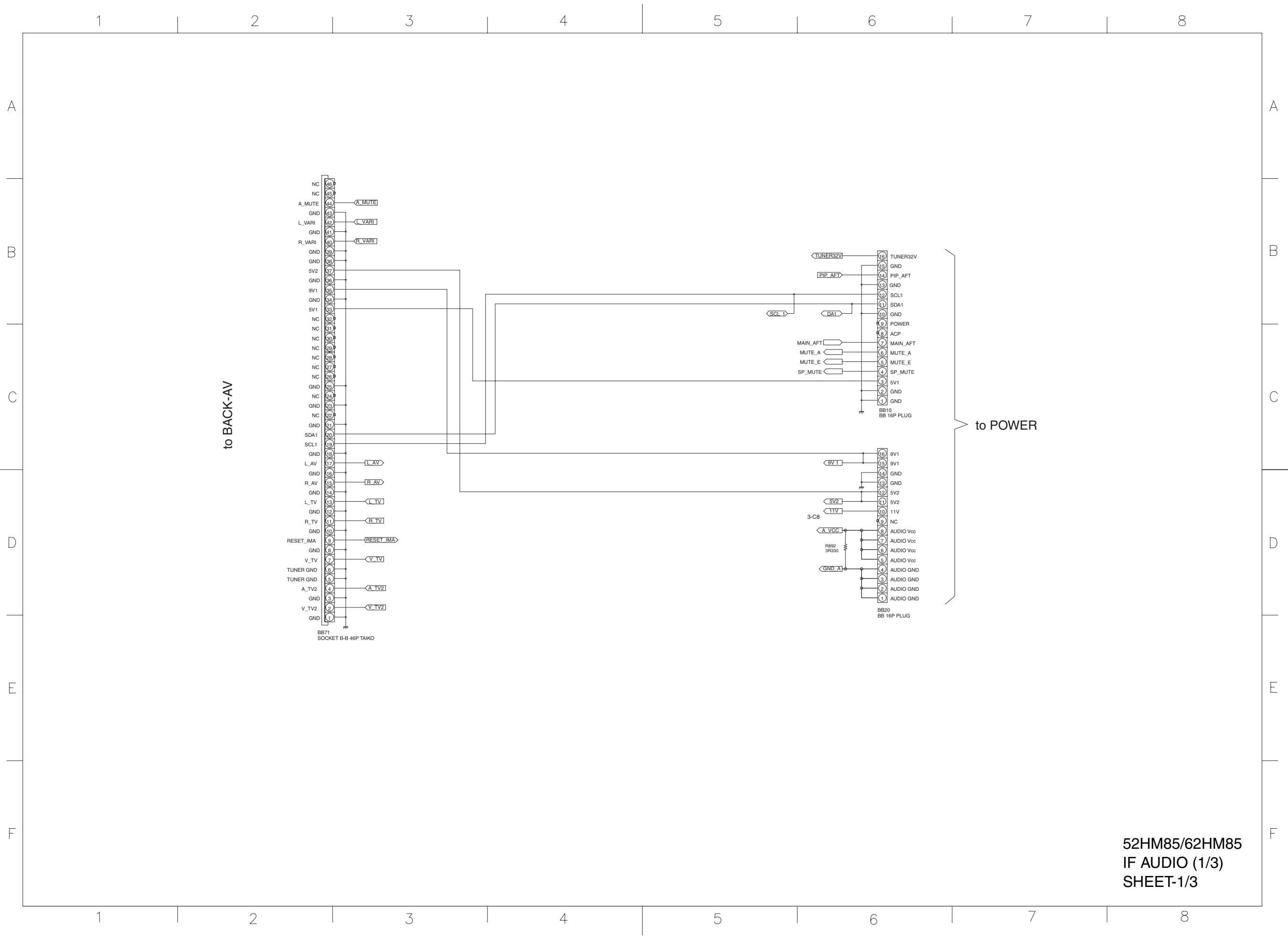
B

B

1

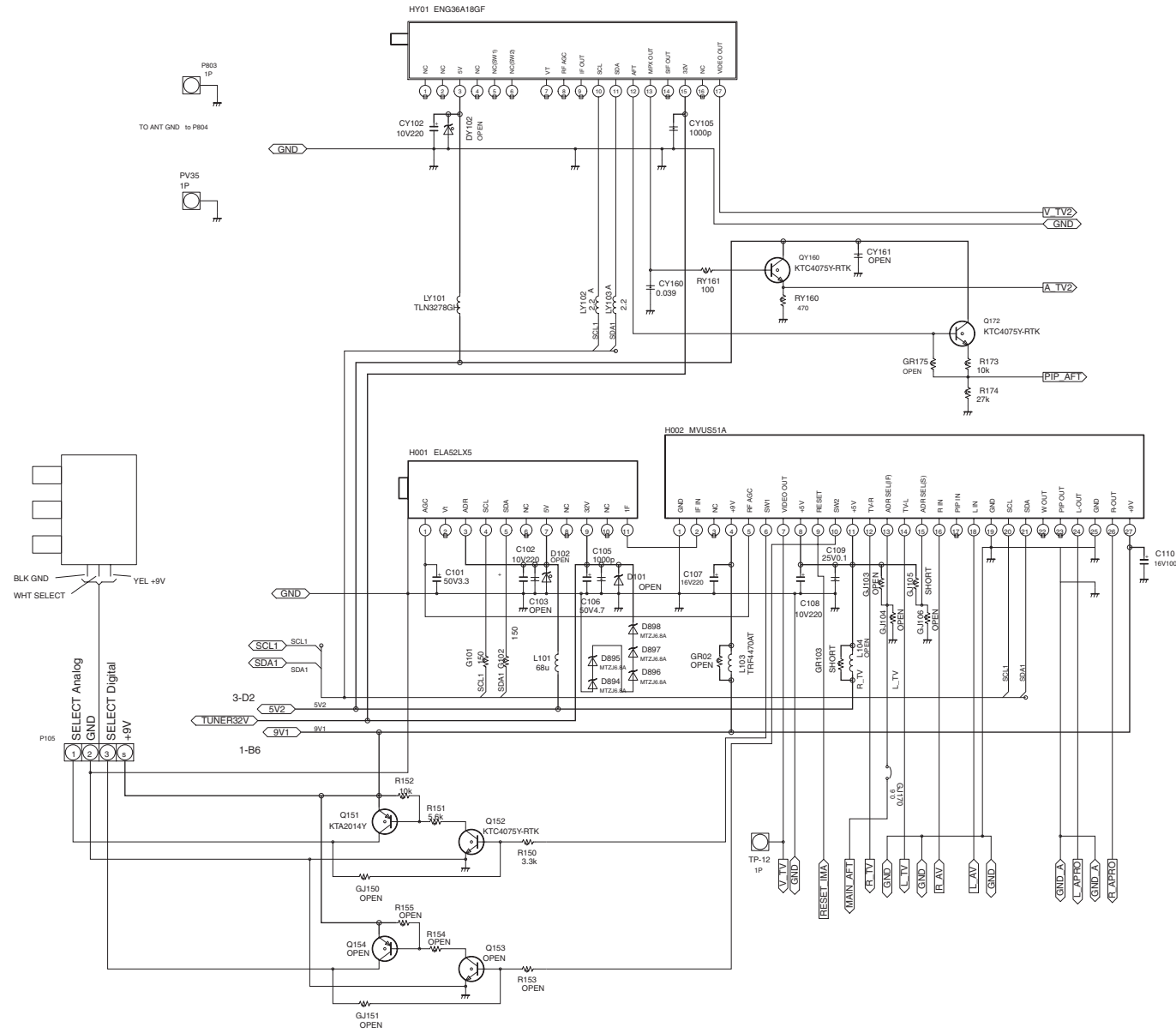
2

52HM85/62HM85  
 BACK AV (5/5)  
 SHEET-5/5

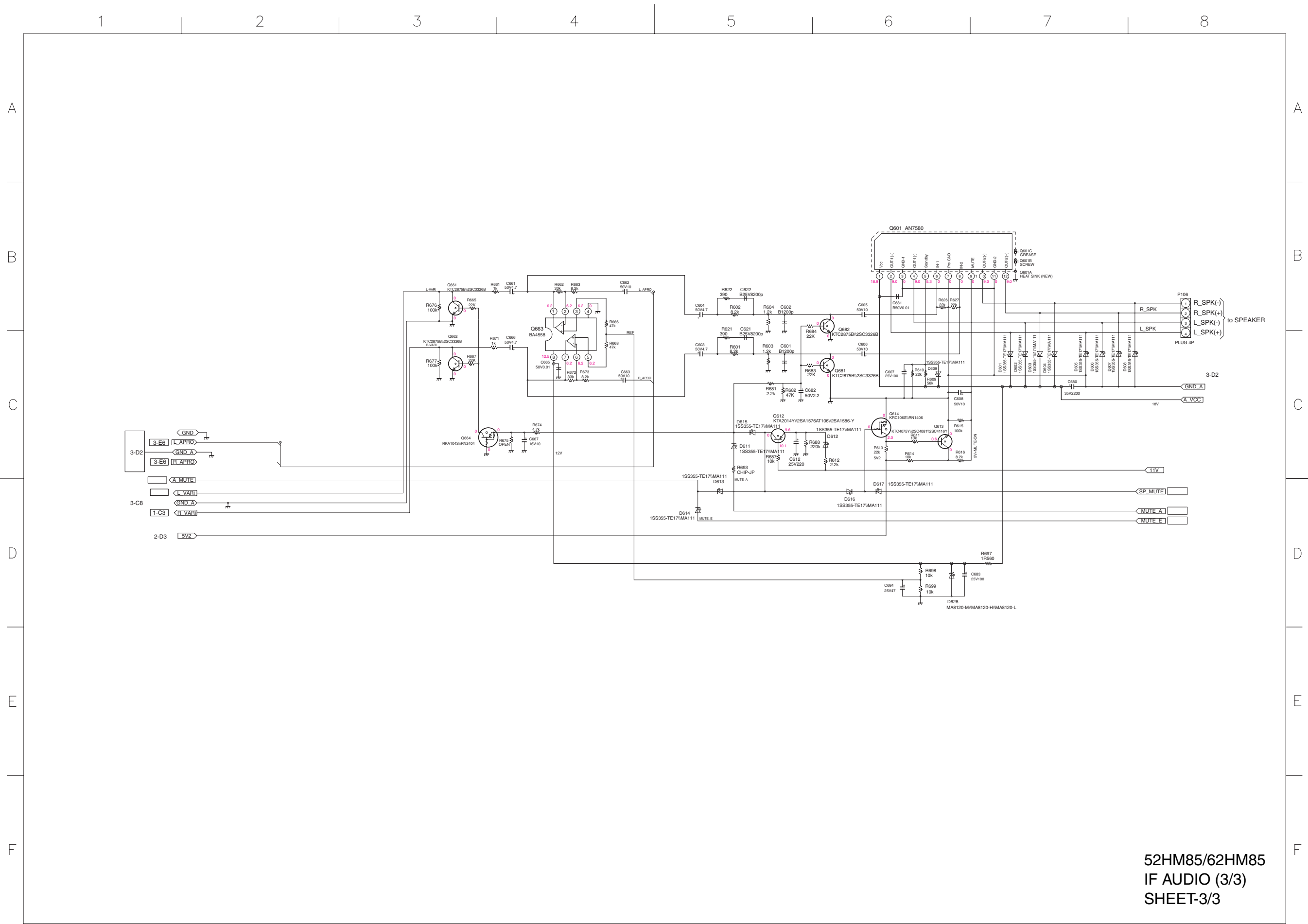


52HM85/62HM85  
IF AUDIO (1/3)  
SHEET-1/3

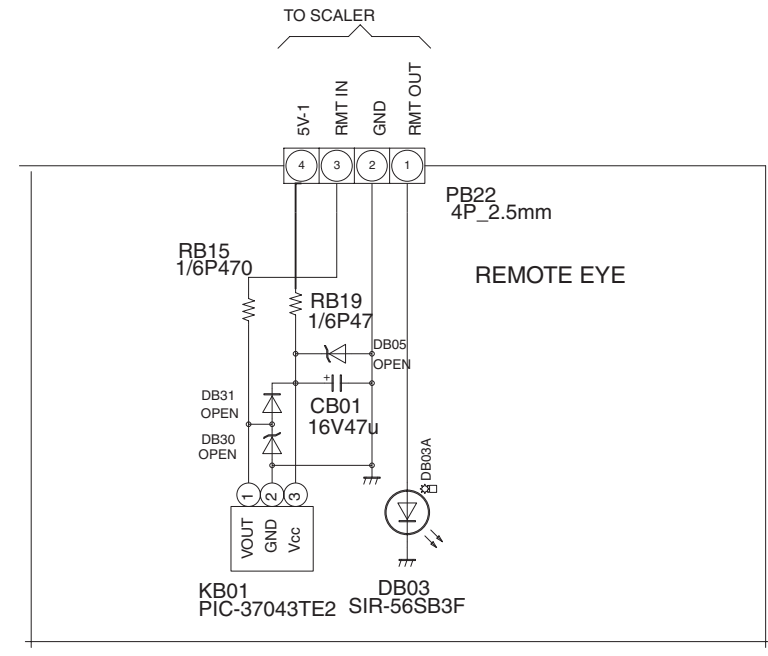
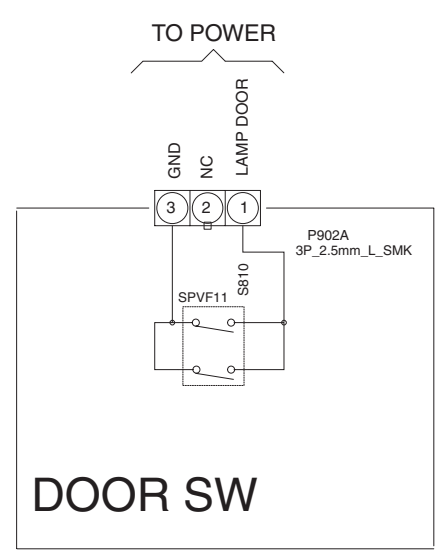
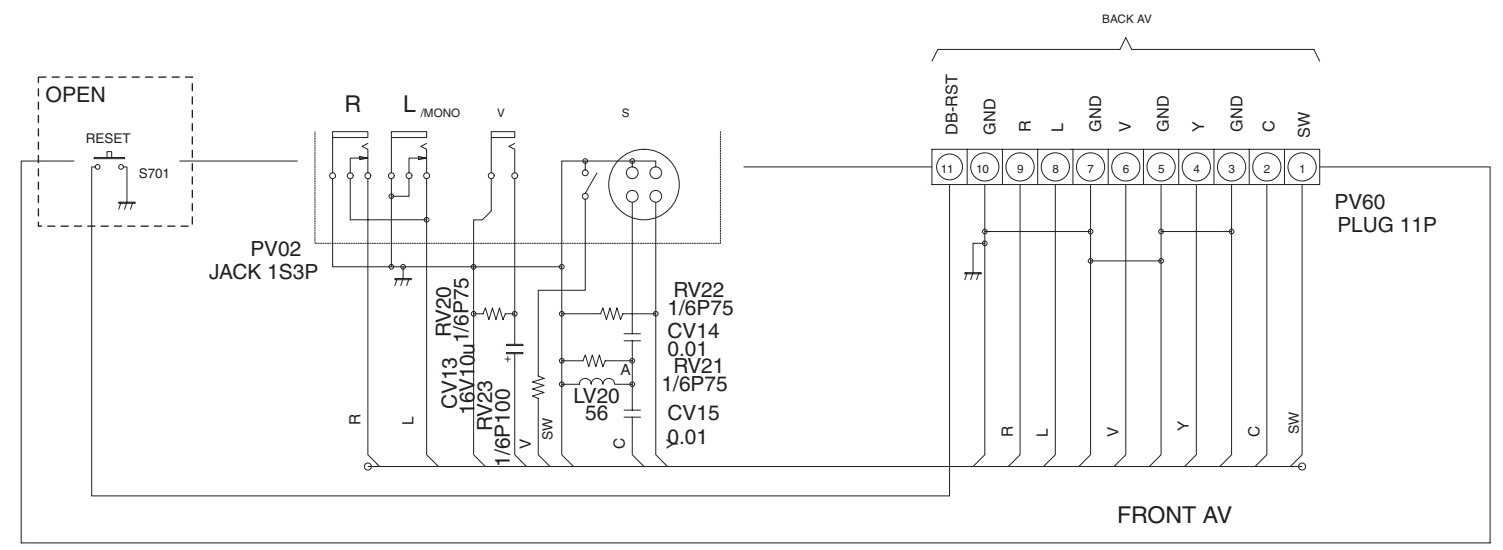




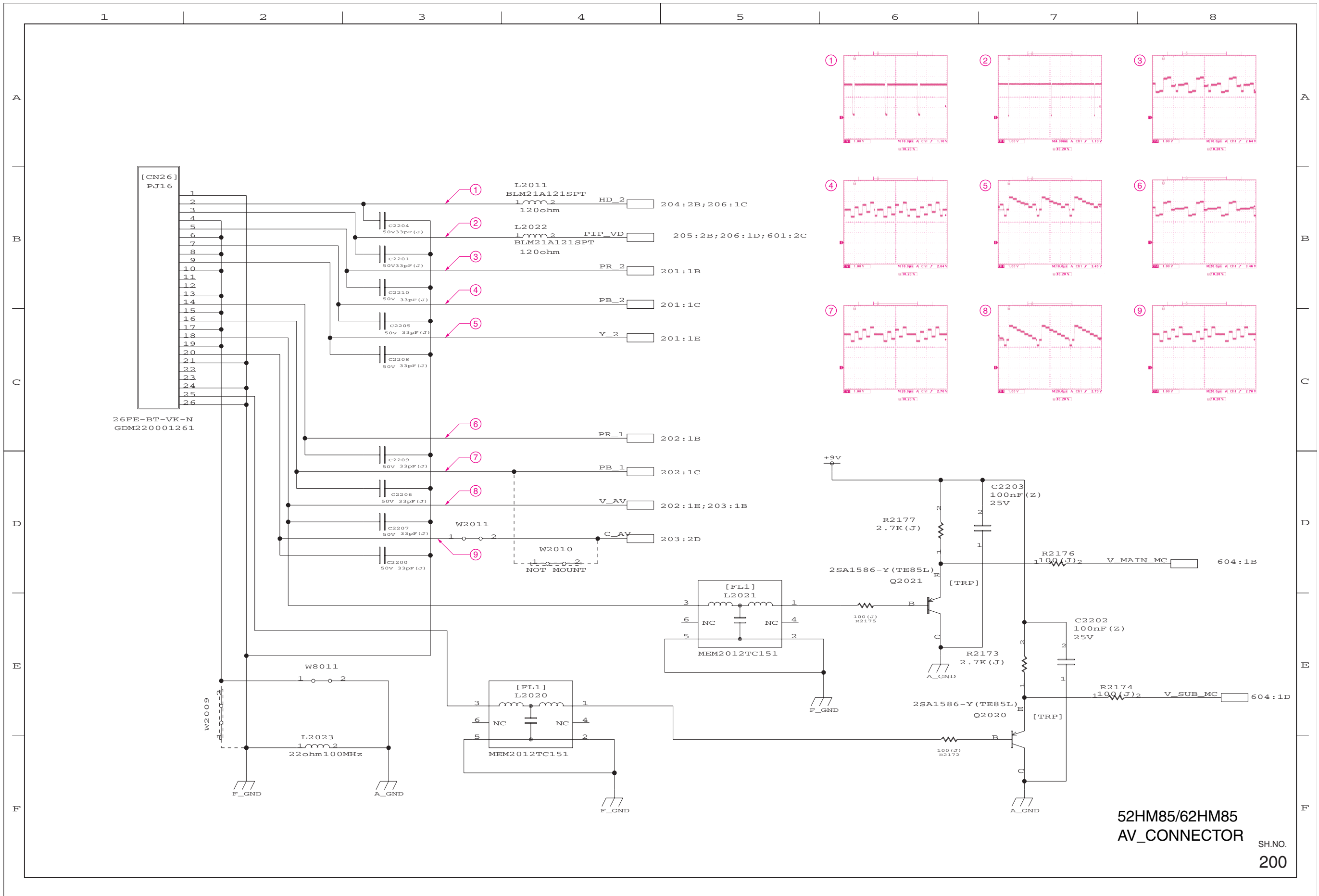
52HM85/62HM85  
 IF AUDIO (2/3)  
 SHEET-2/3

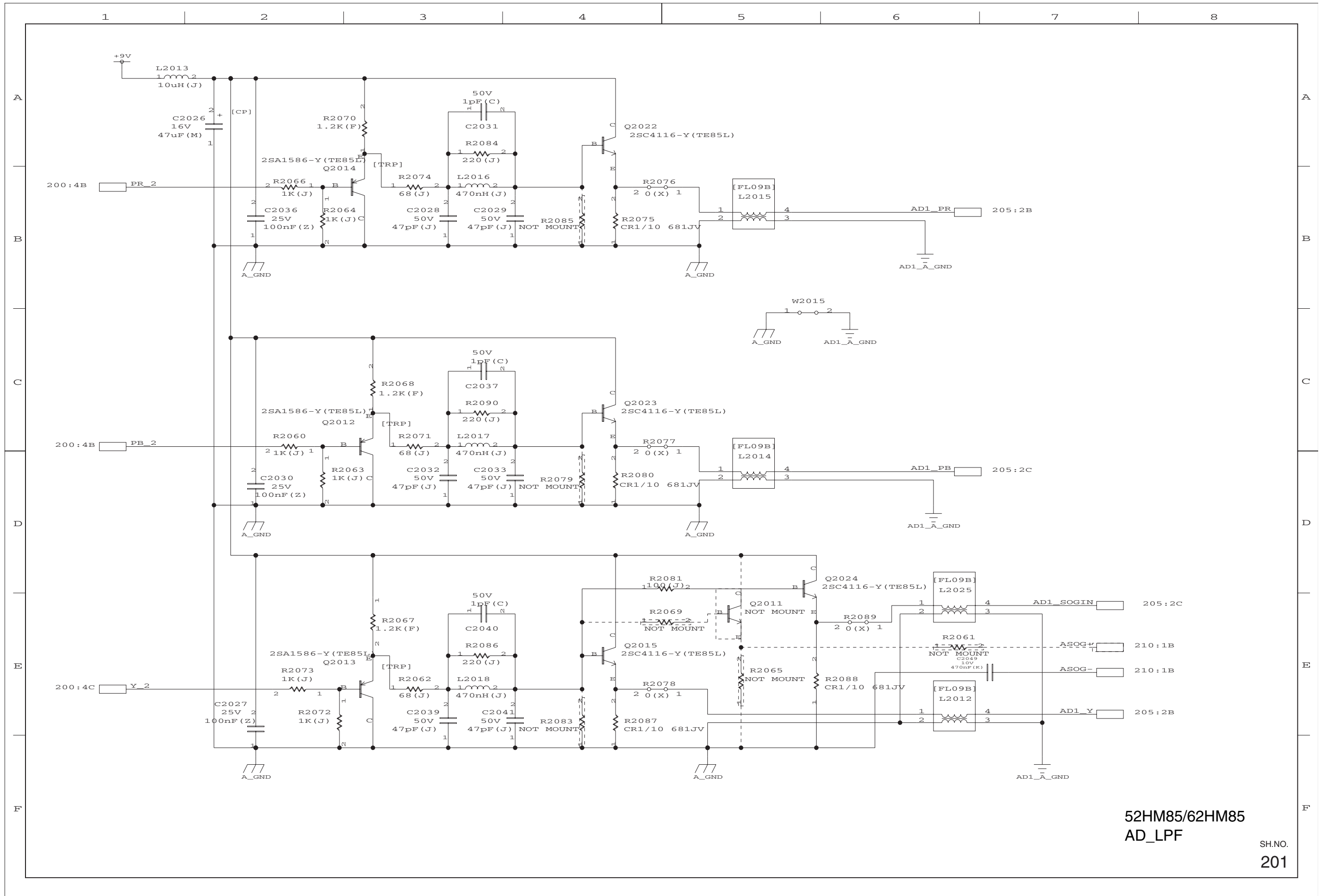


52HM85/62HM85  
IF AUDIO (3/3)  
SHEET-3/3



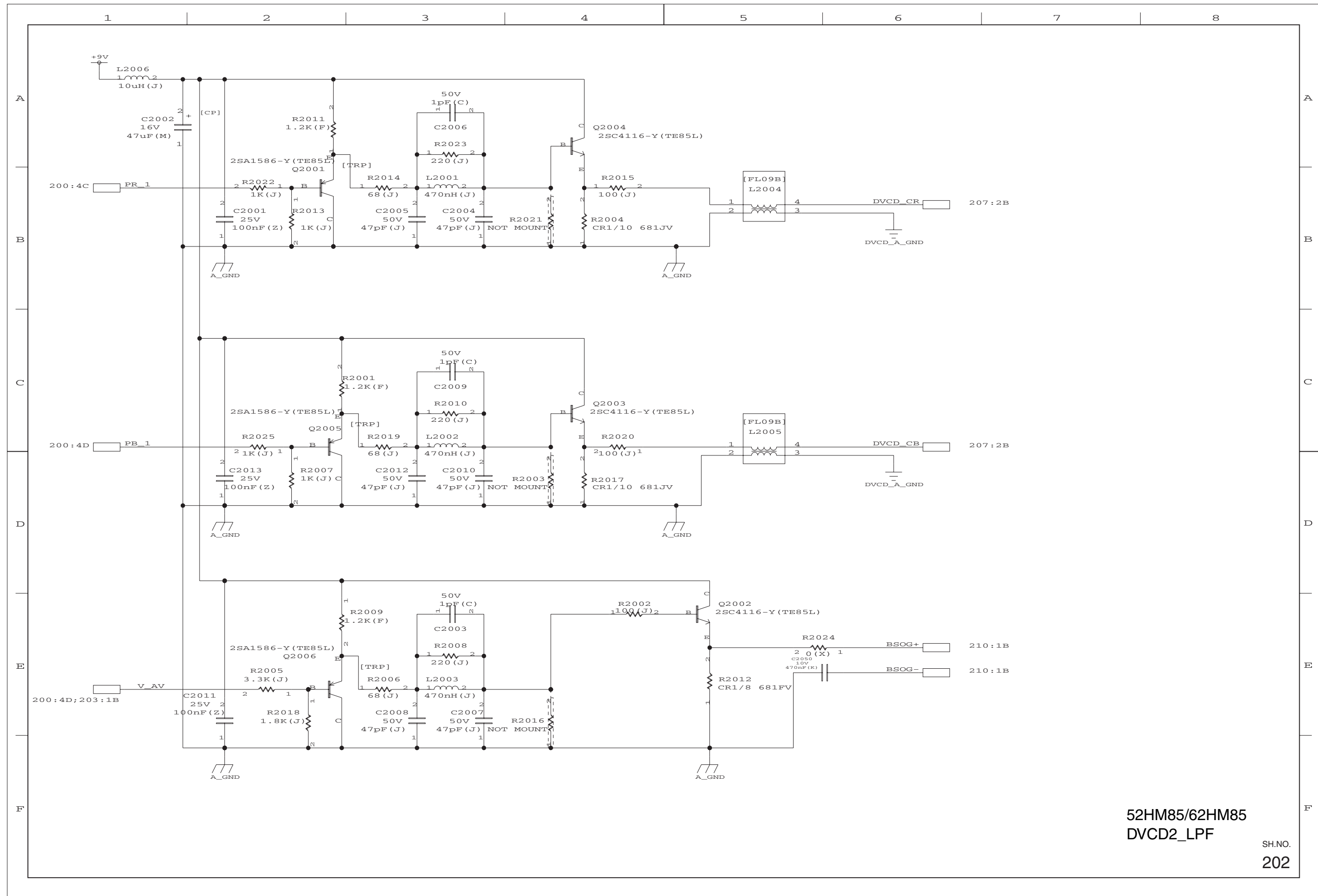
52HM85/62HM85  
F-AV





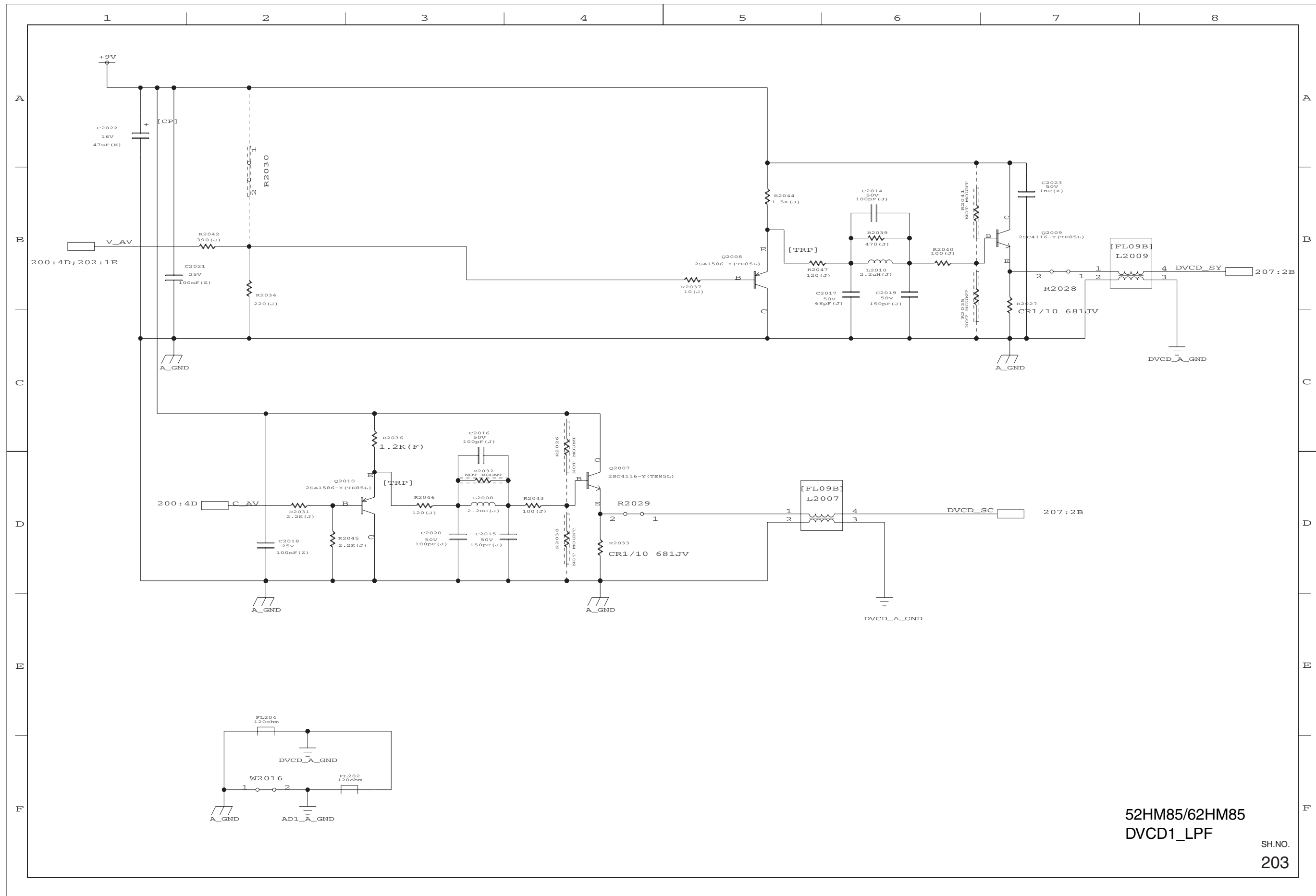
52HM85/62HM85  
AD\_LPF

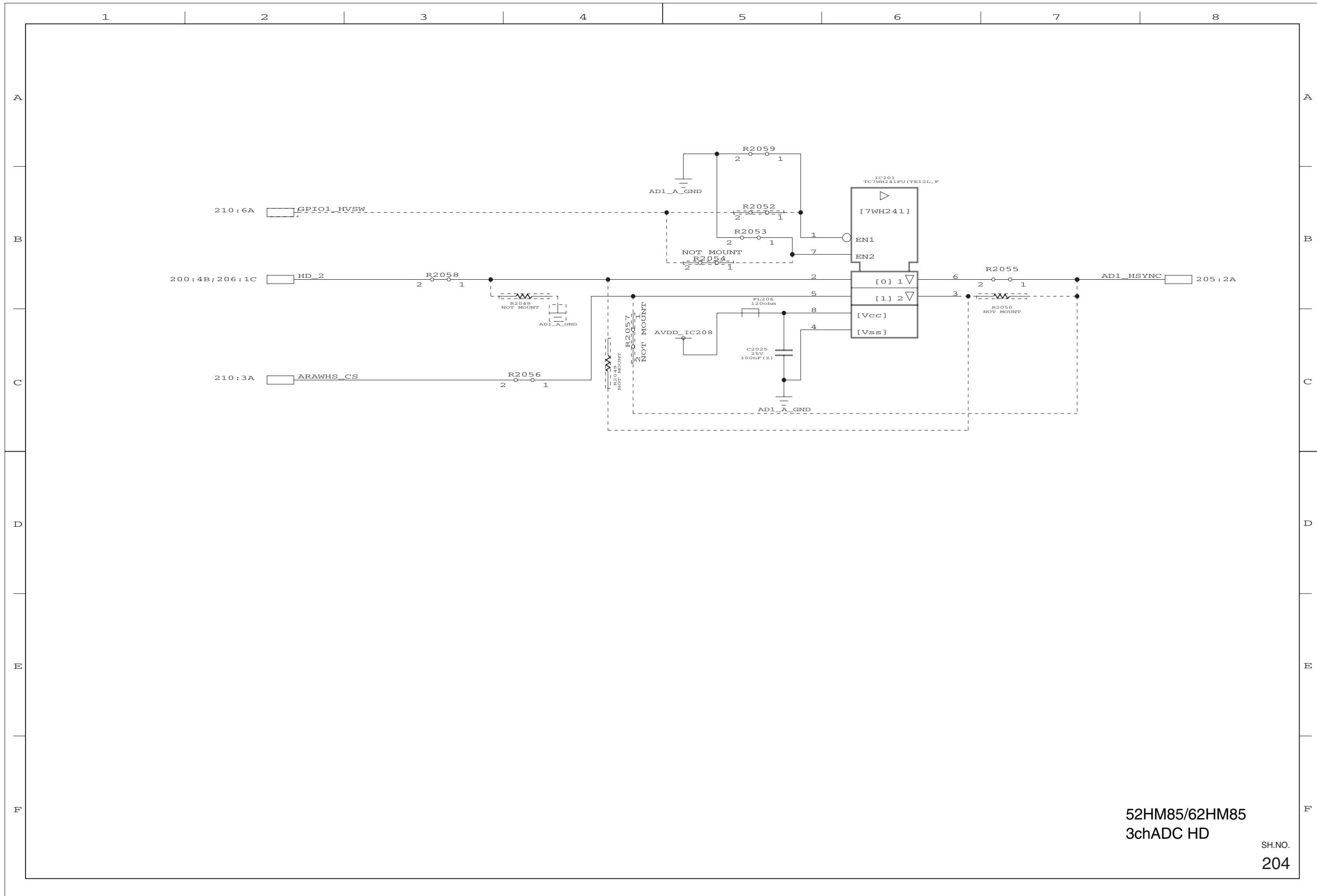
SH.NO.  
201



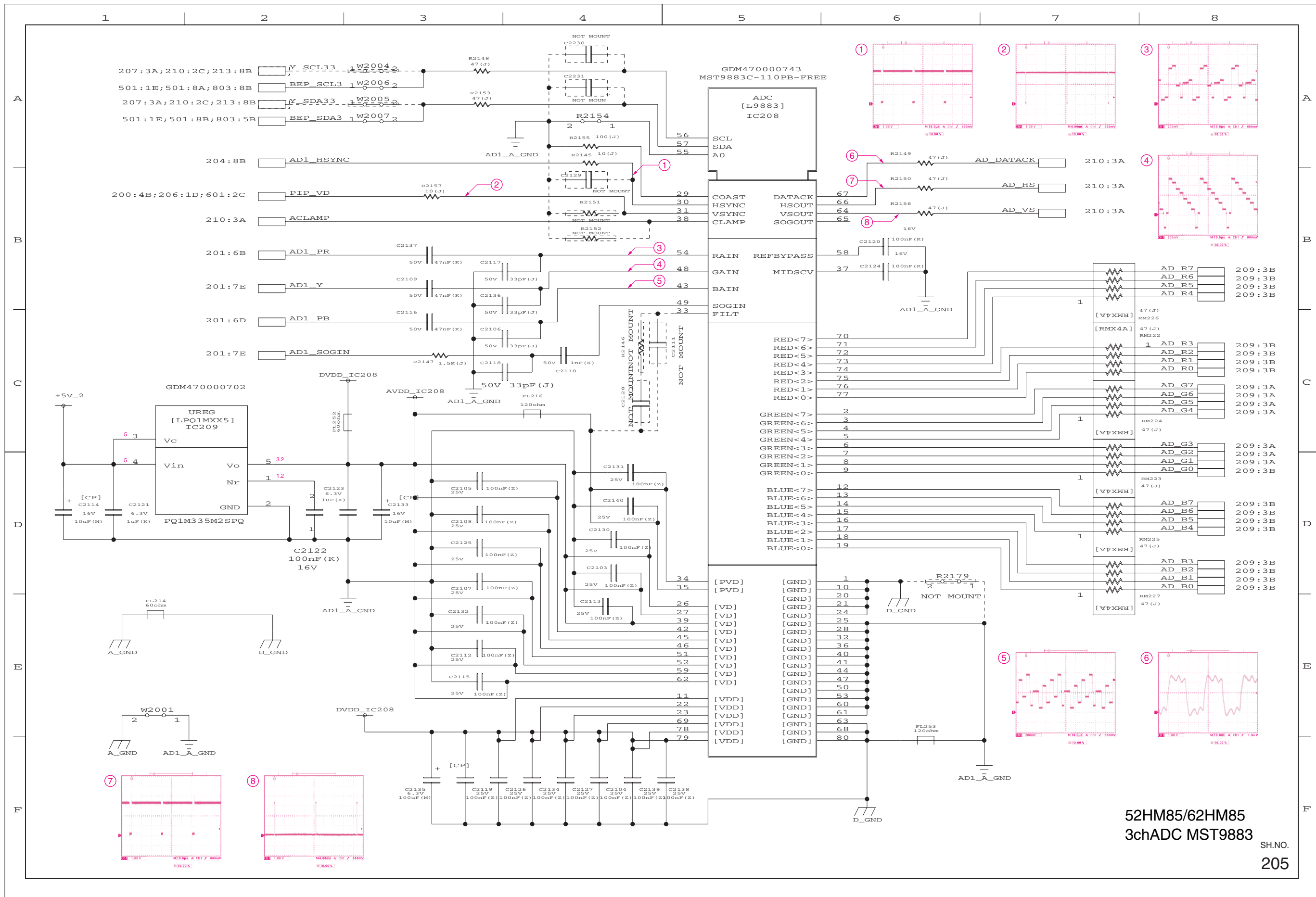
52HM85/62HM85  
DVCD2\_LPF

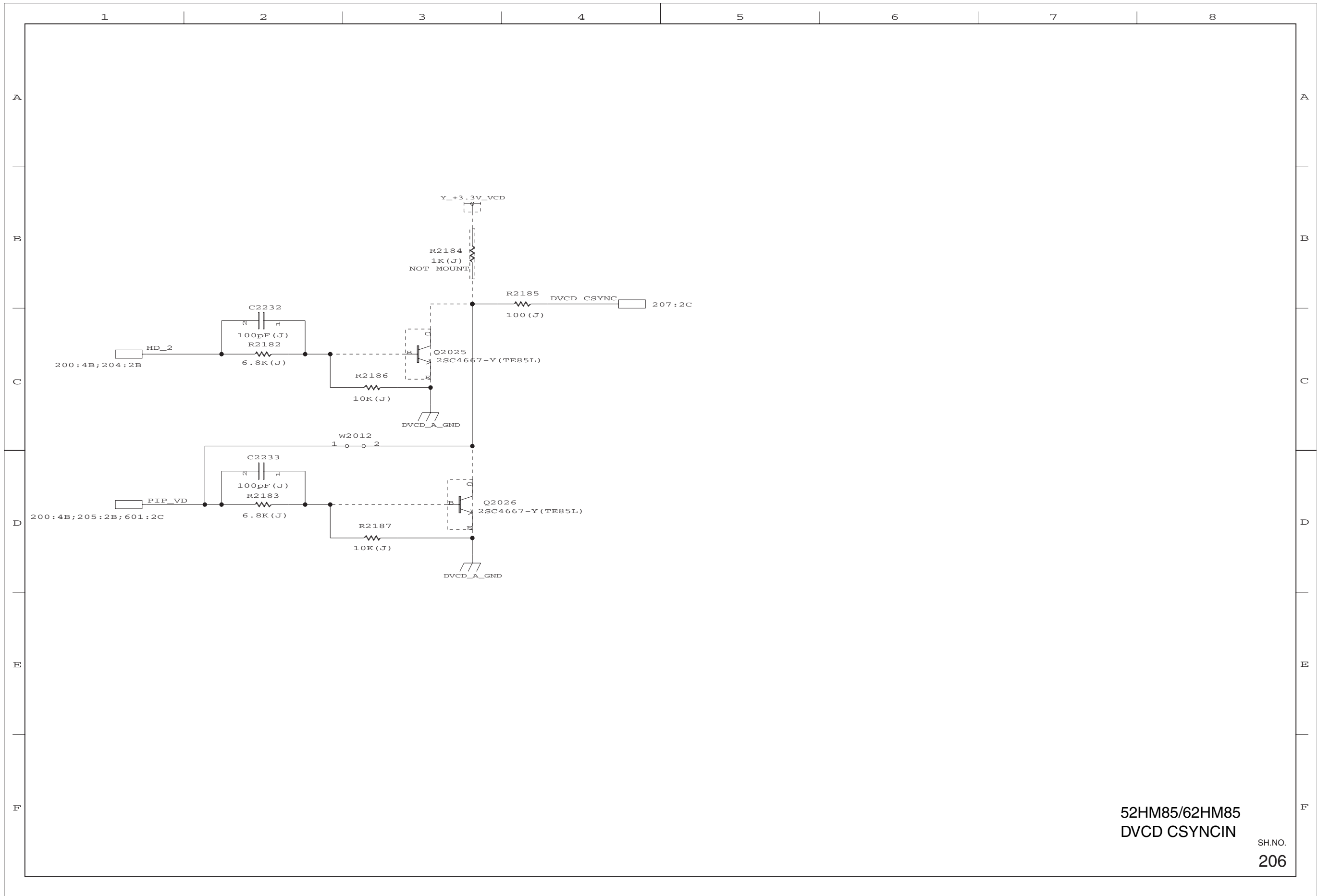
SH.NO.  
202





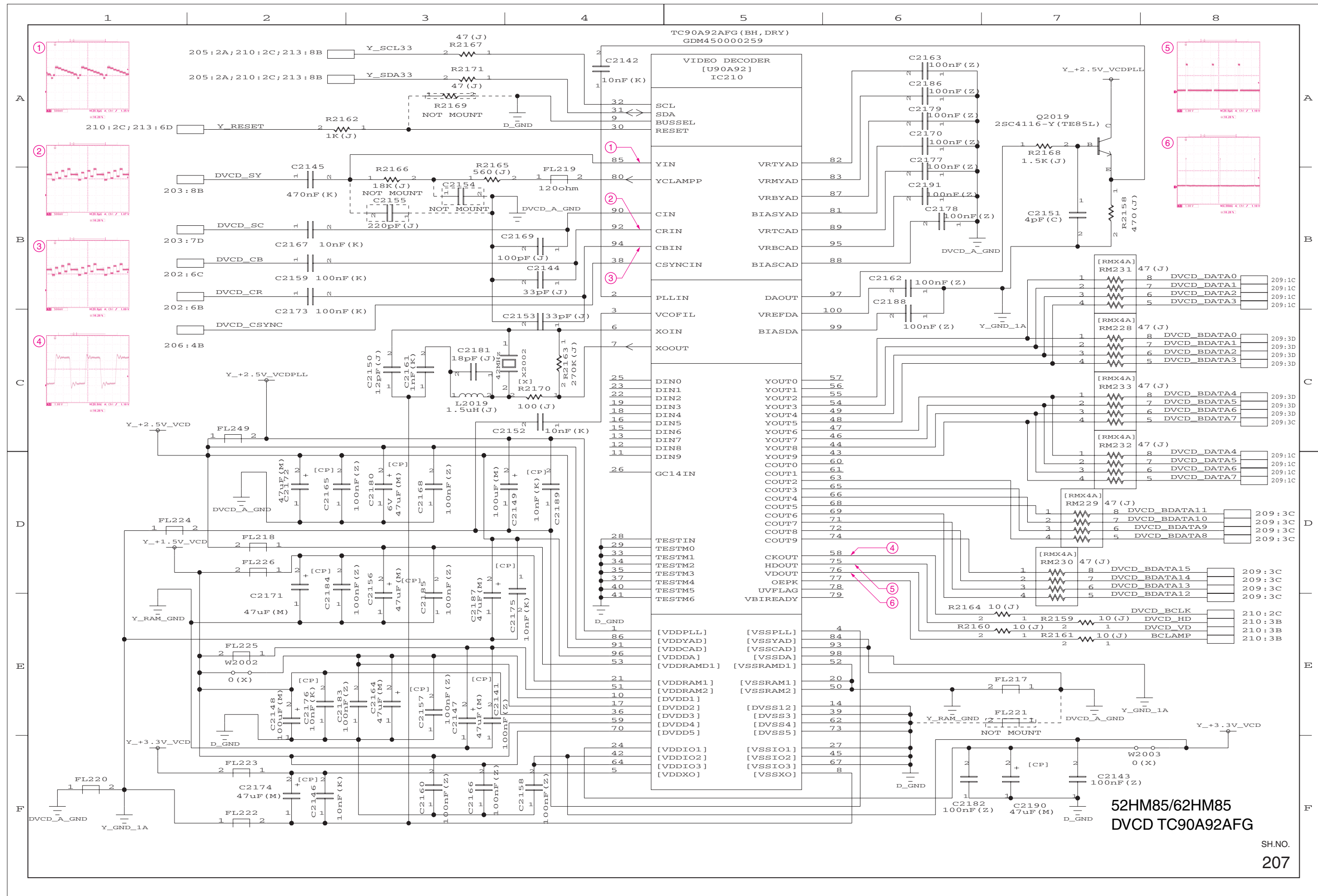






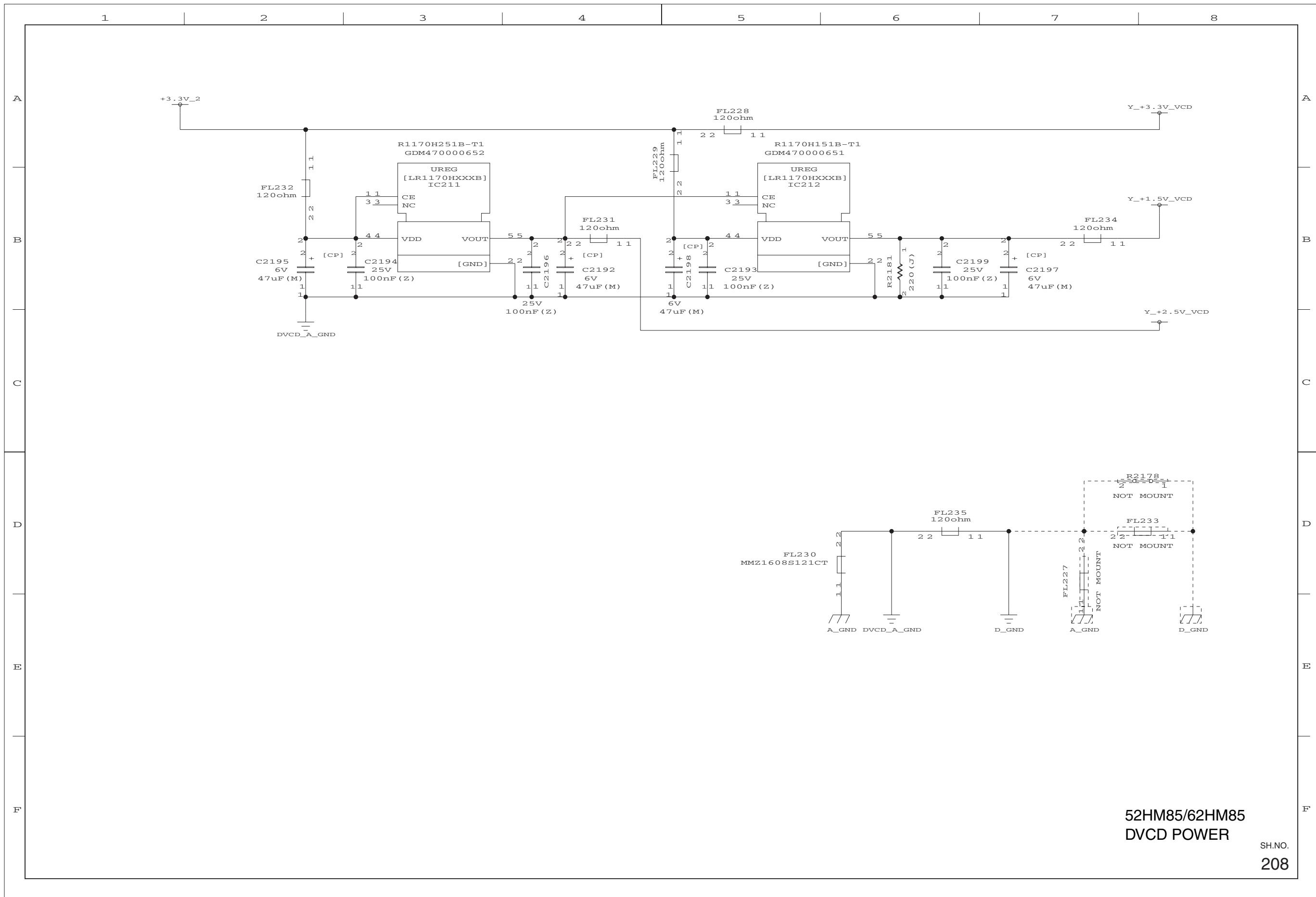
52HM85/62HM85  
DVCD CSYNCIN

SH.NO.  
206



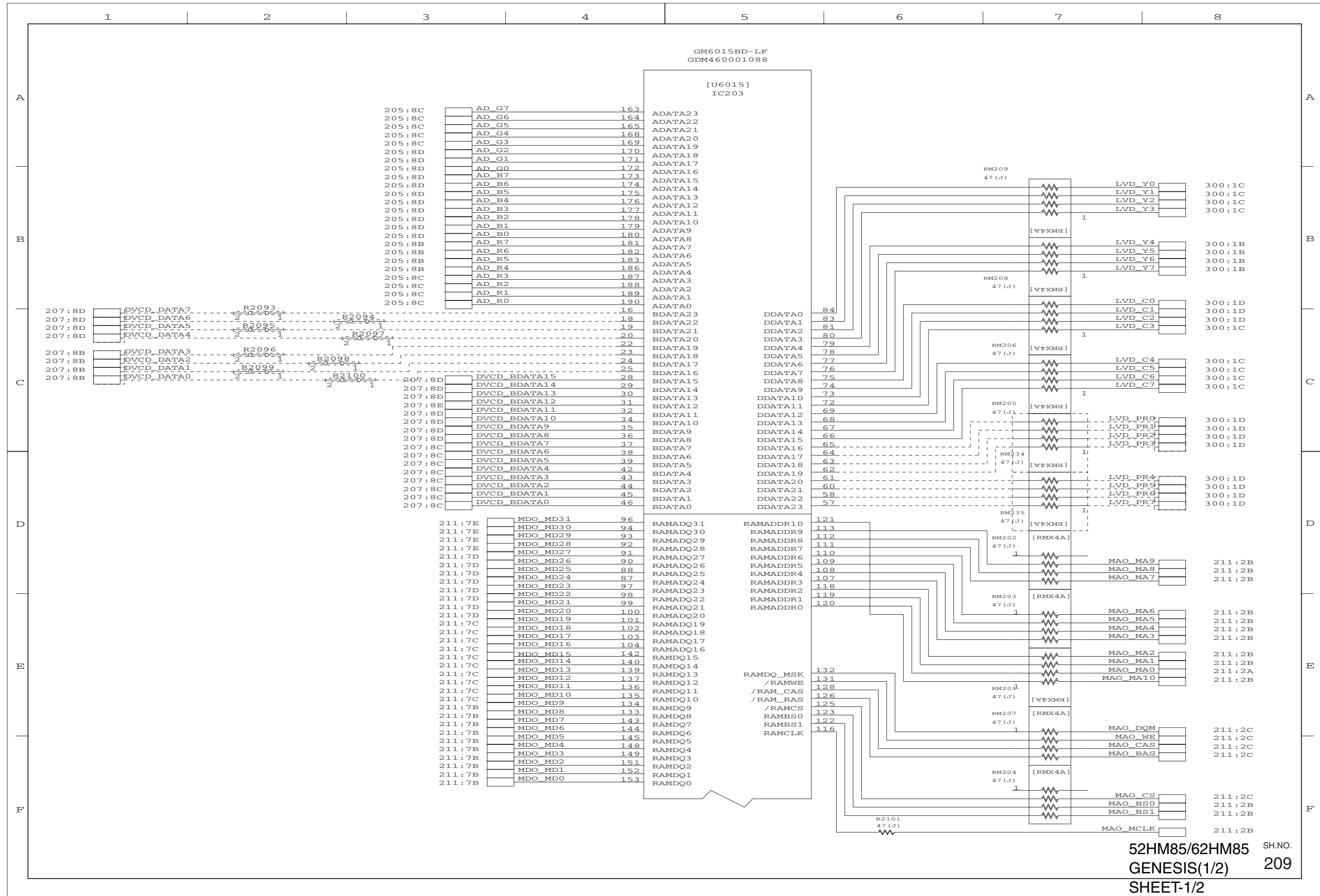
52HM85/62HM85  
DVCD TC90A92AFG

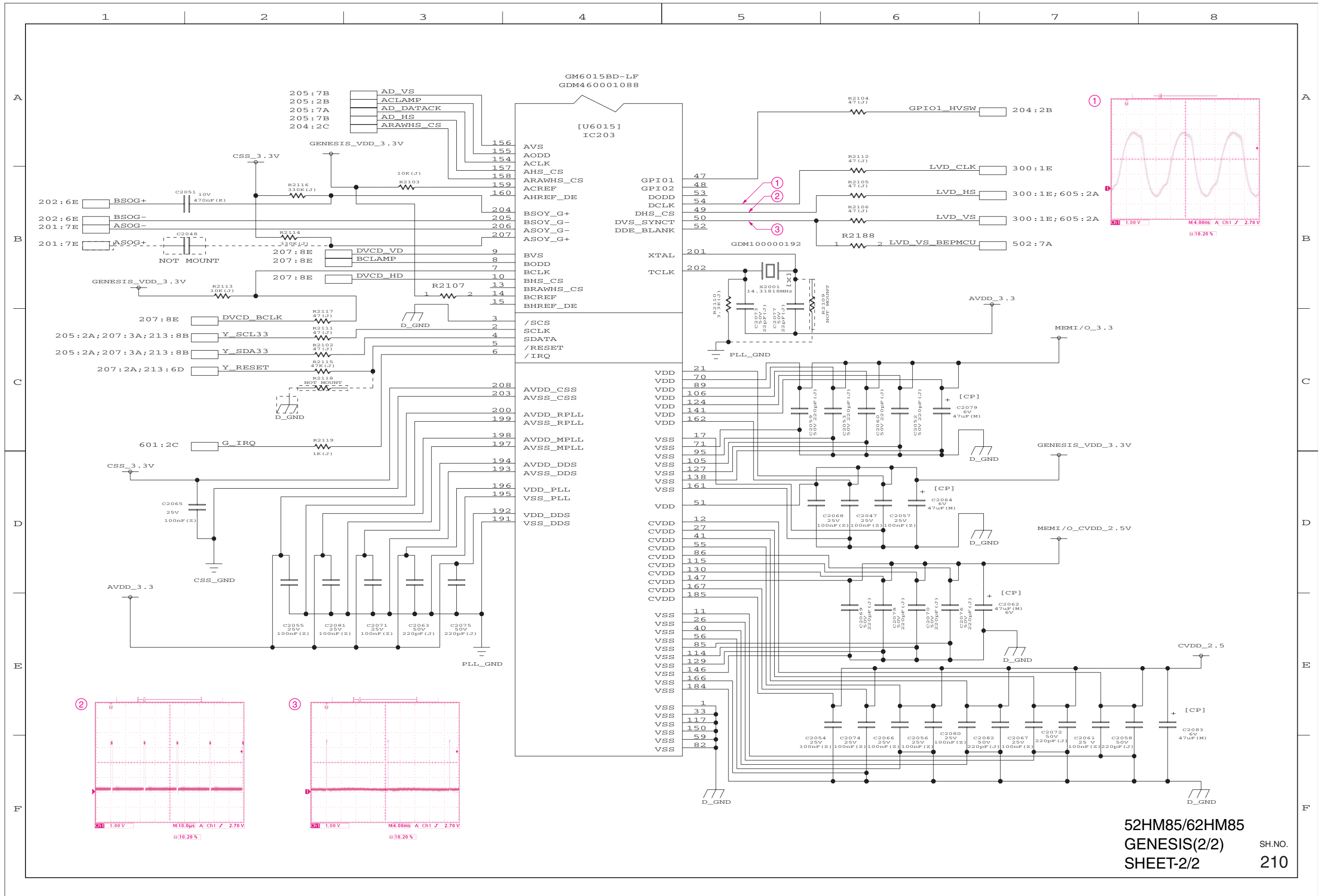
SH.NO.  
207

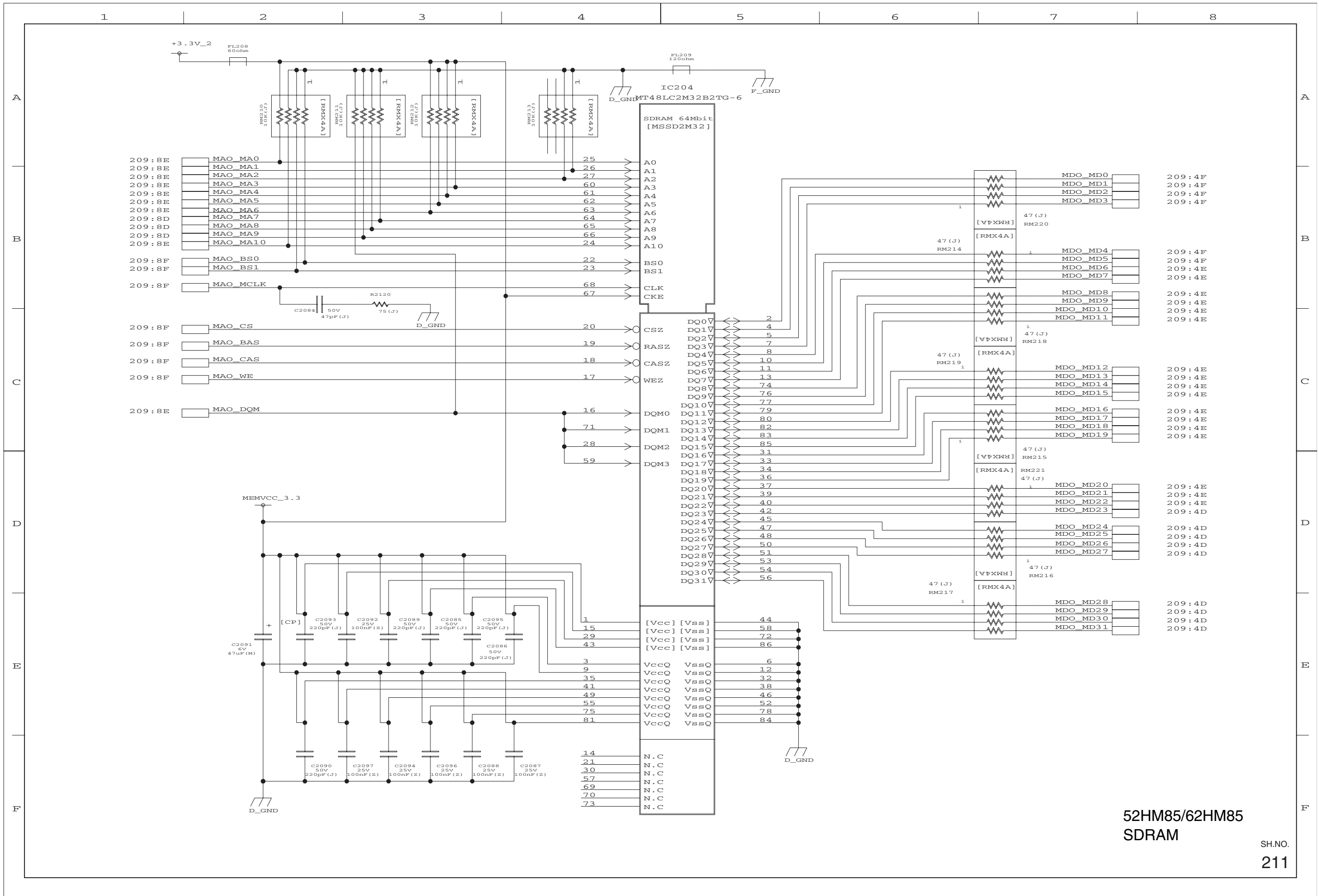


52HM85/62HM85  
DVCD POWER

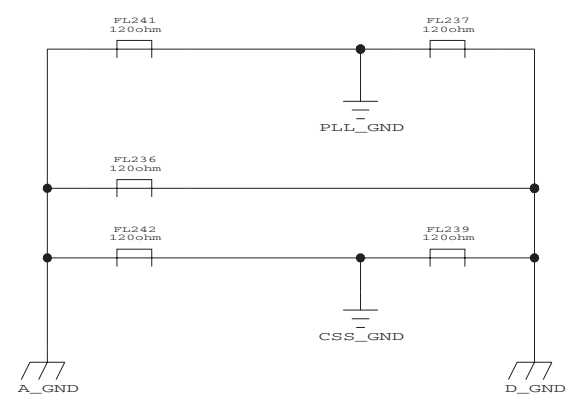
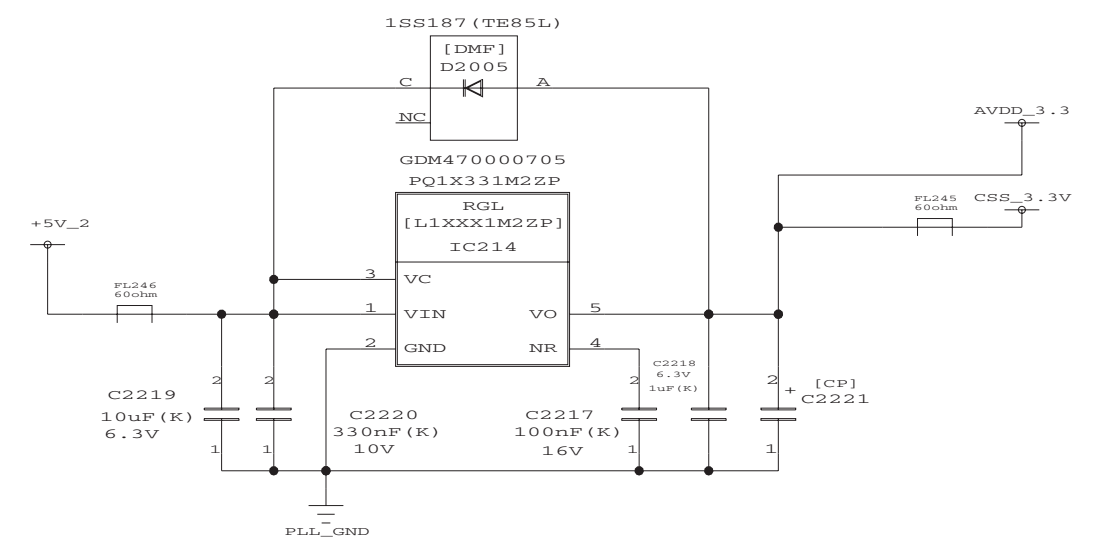
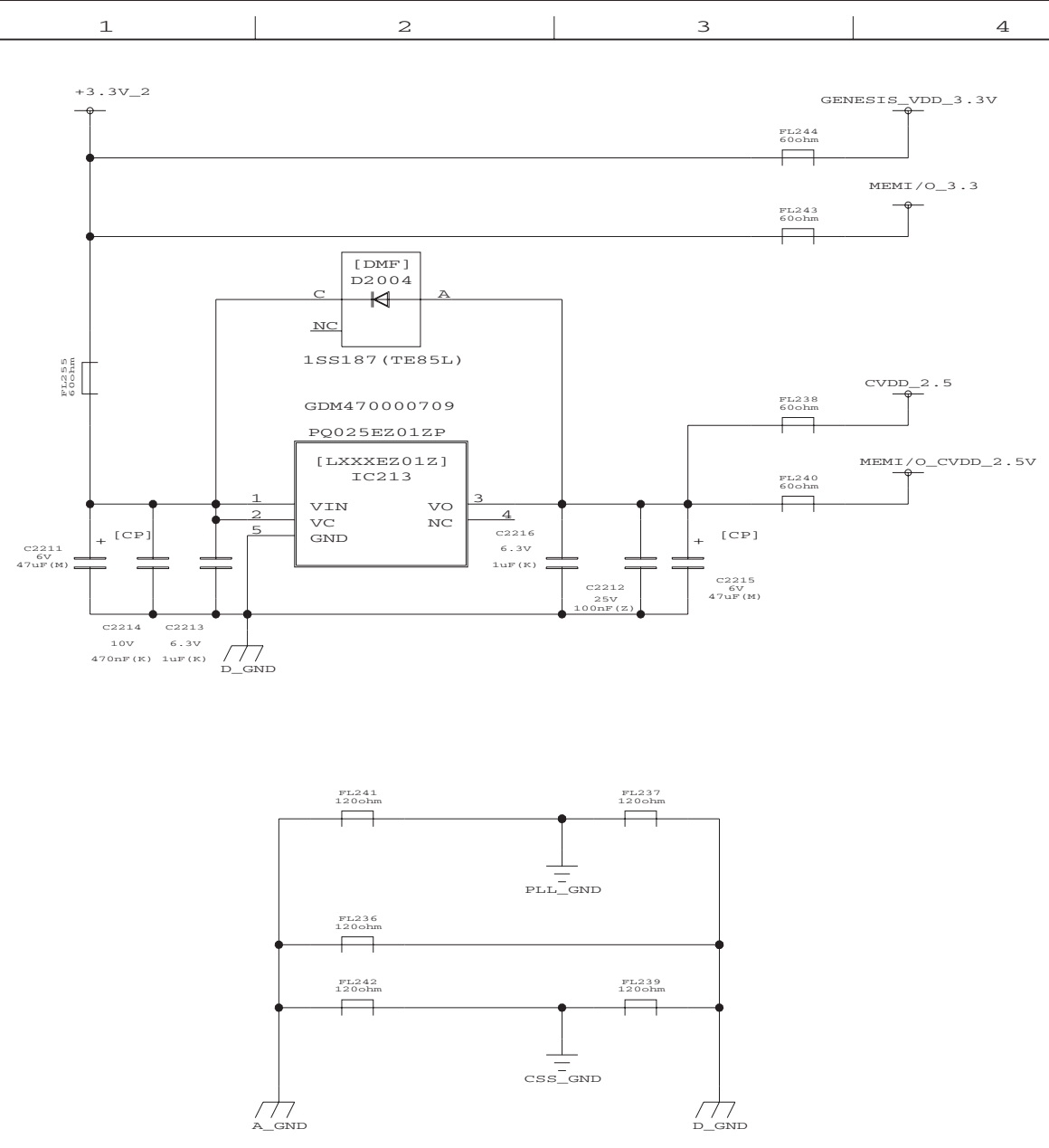
SH.NO.  
208





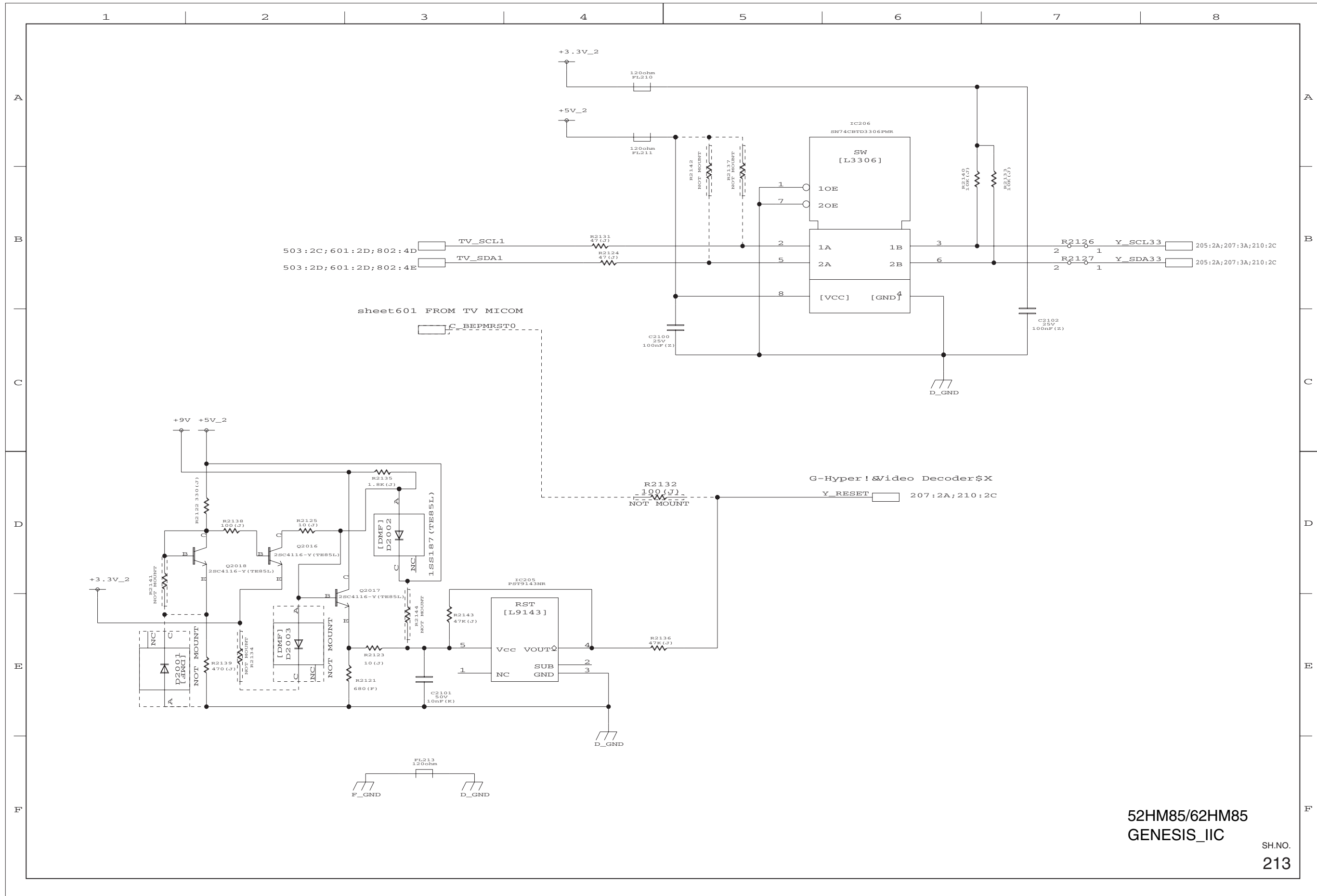


52HM85/62HM85  
SDRAM  
SH.NO.  
211



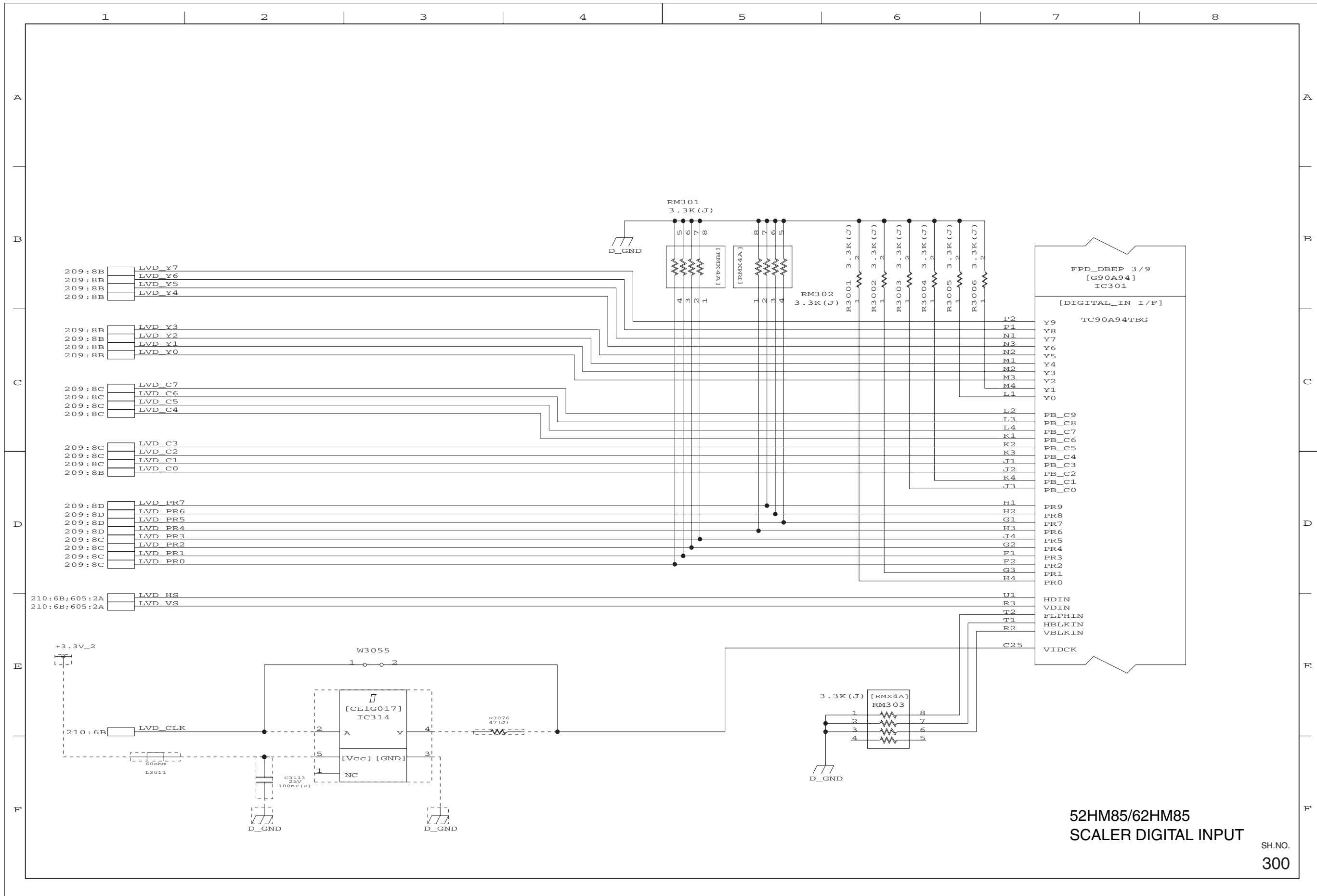
52HM85/62HM85  
 GENESIS\_POWER  
 SH.NO.  
 212





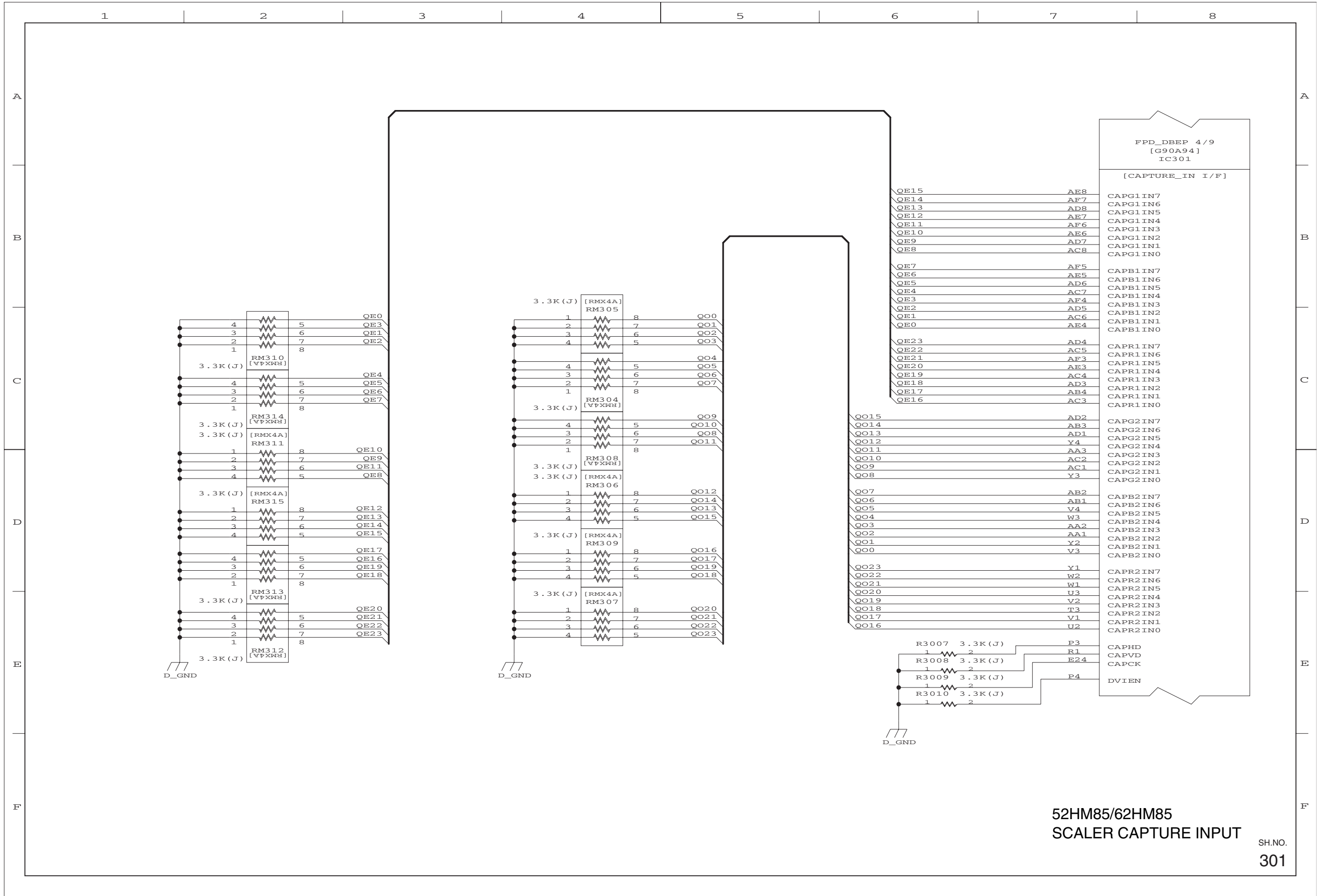
52HM85/62HM85  
GENESIS\_IIC

SH.NO.  
213



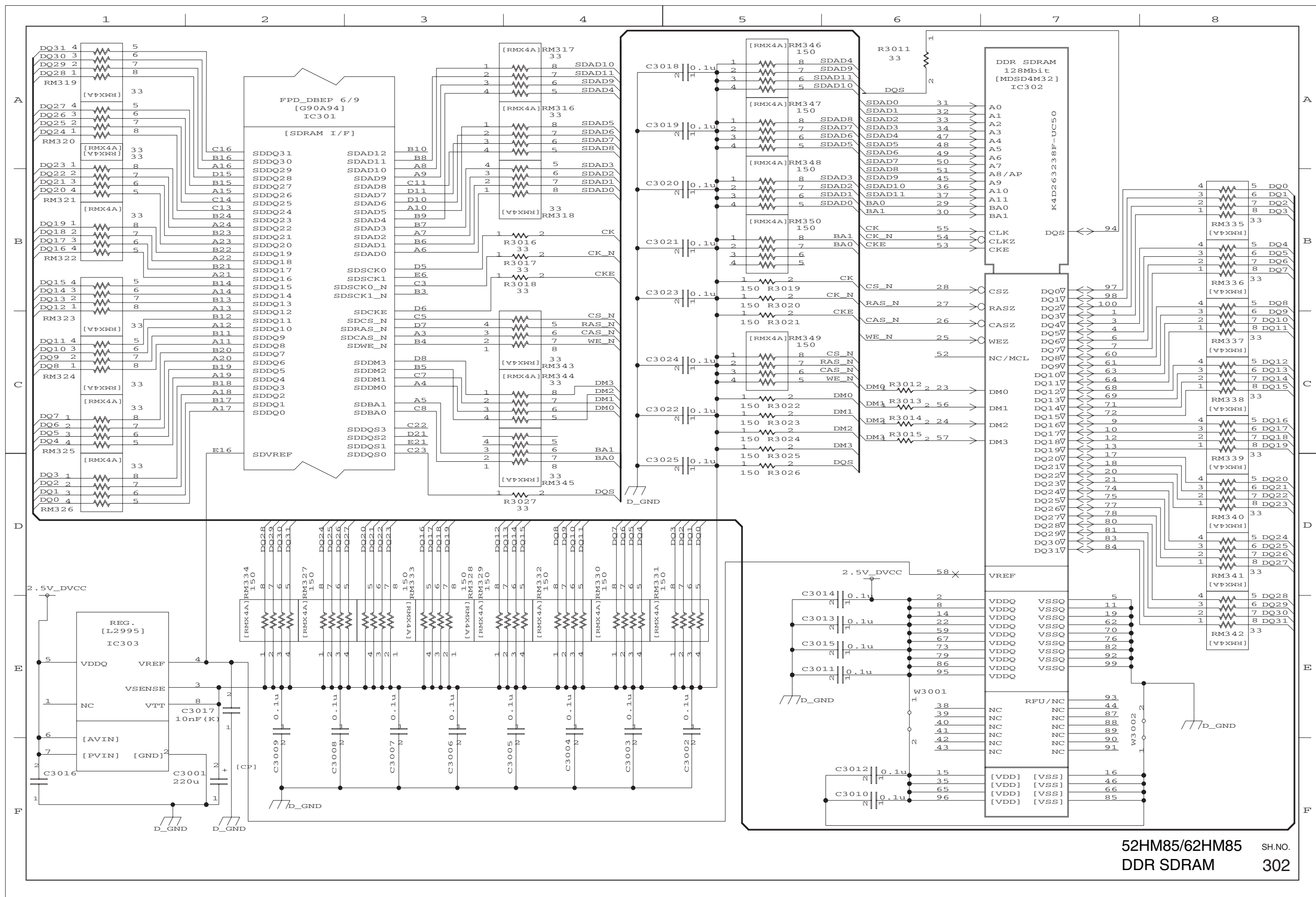
52HM85/62HM85  
SCALER DIGITAL INPUT

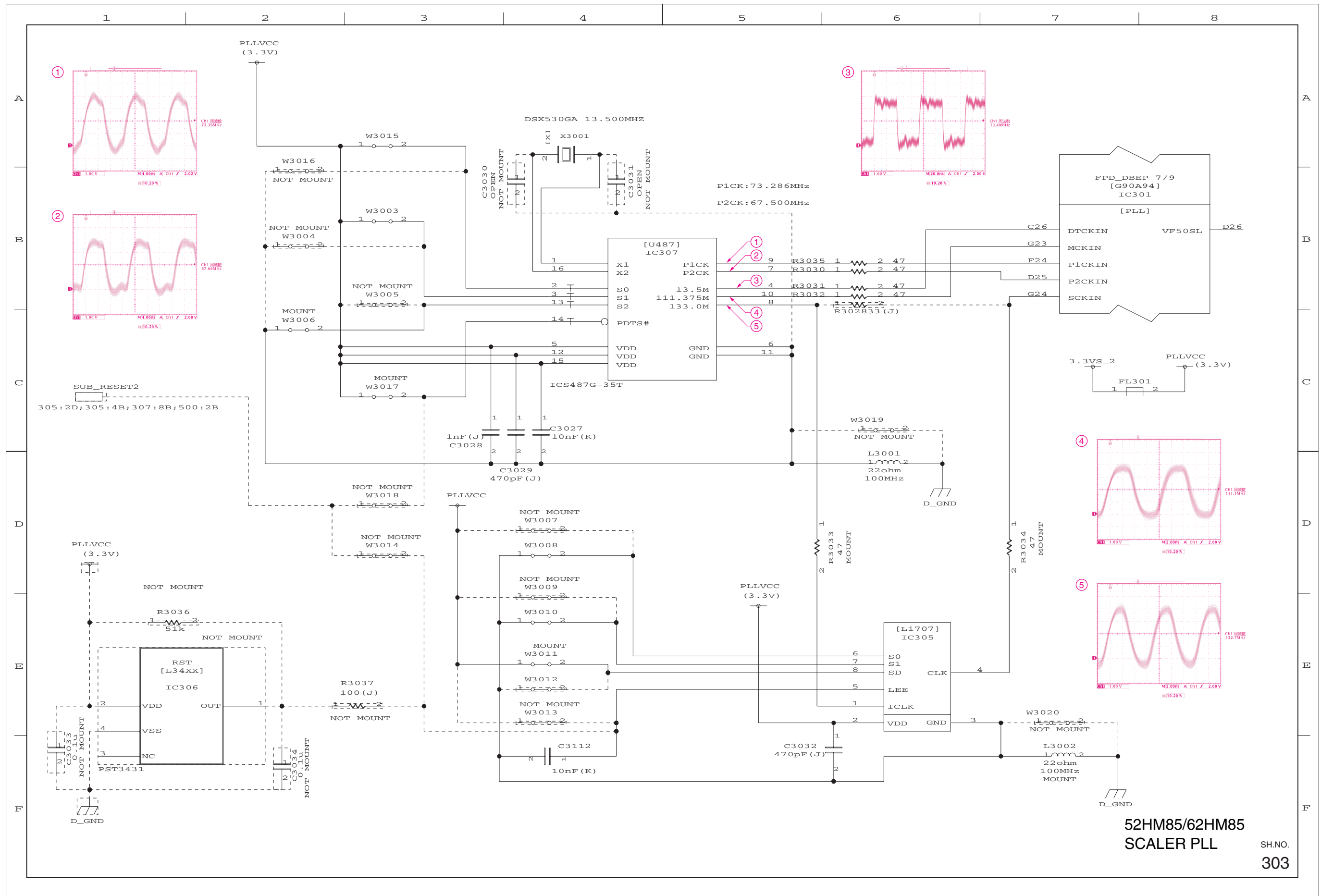
SH.NO.  
300

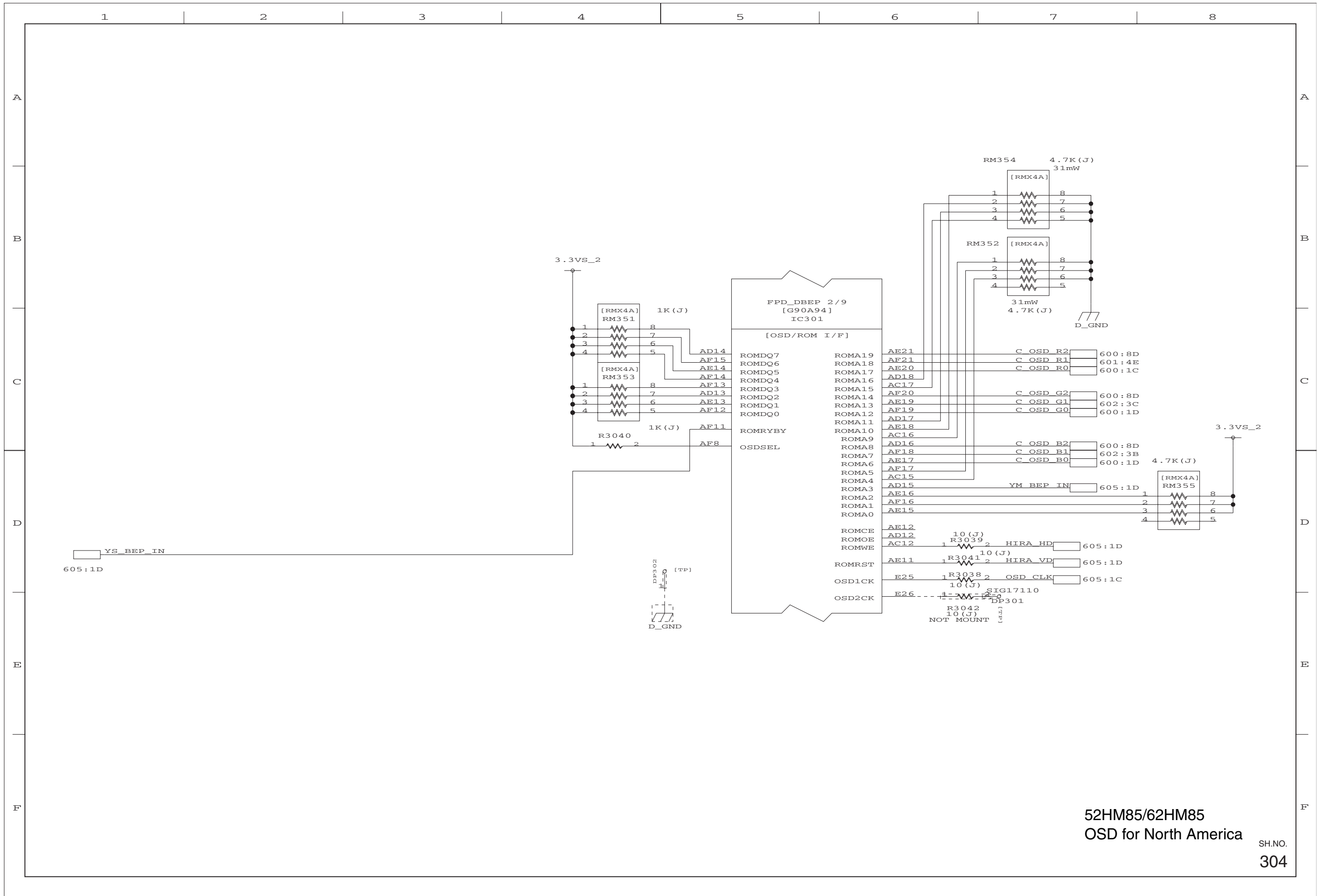


**52HM85/62HM85  
SCALER CAPTURE INPUT**

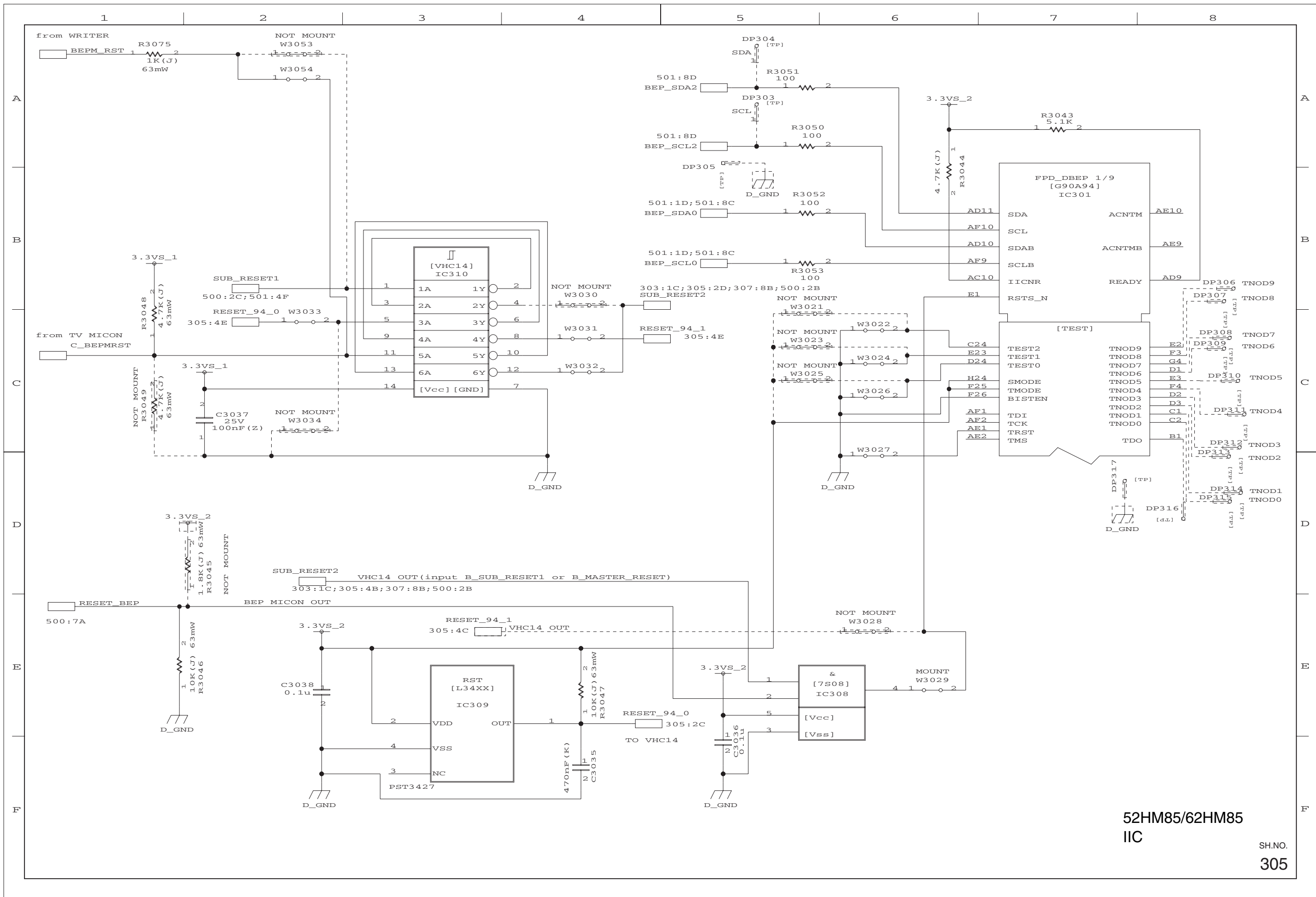
SH.NO.  
**301**



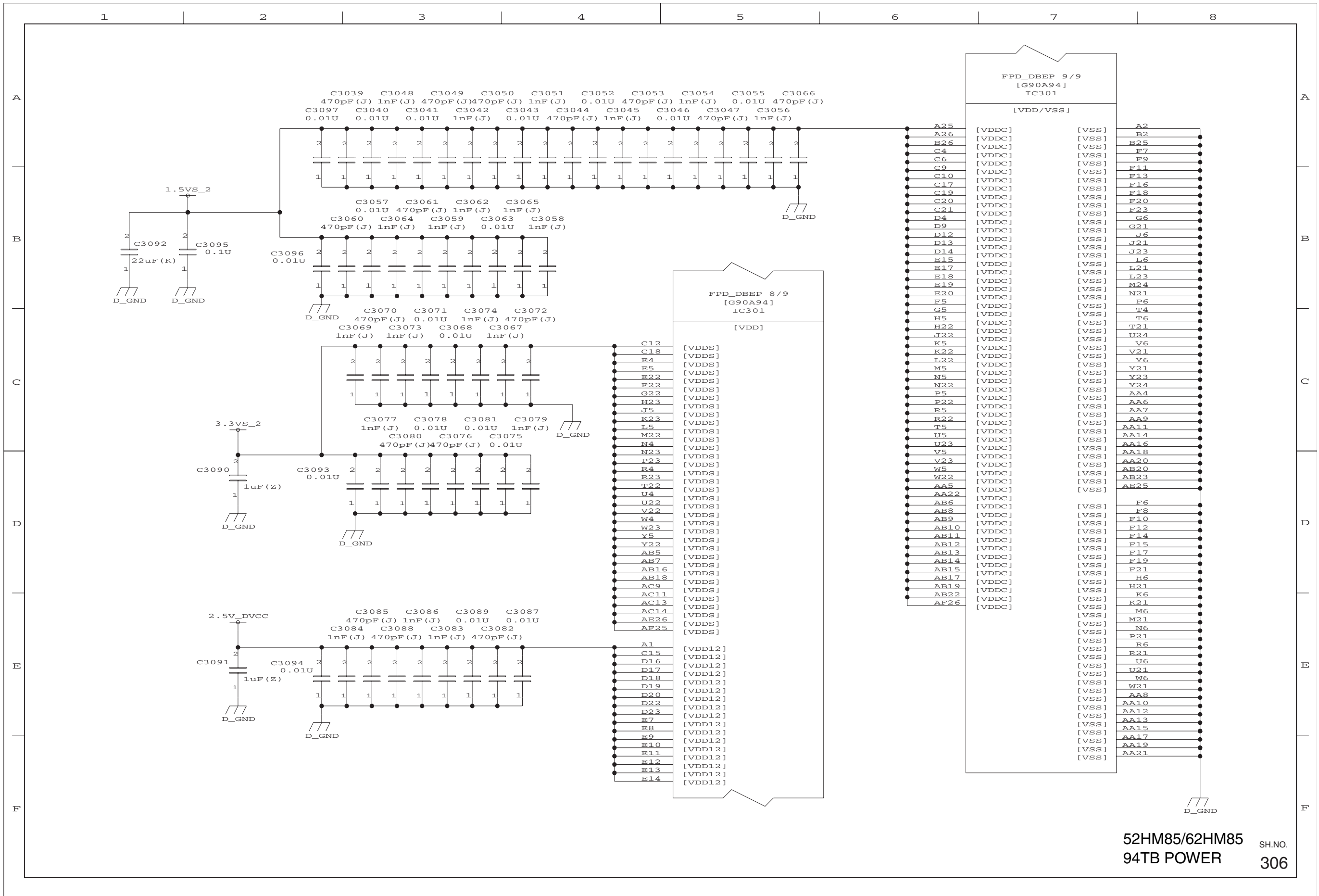




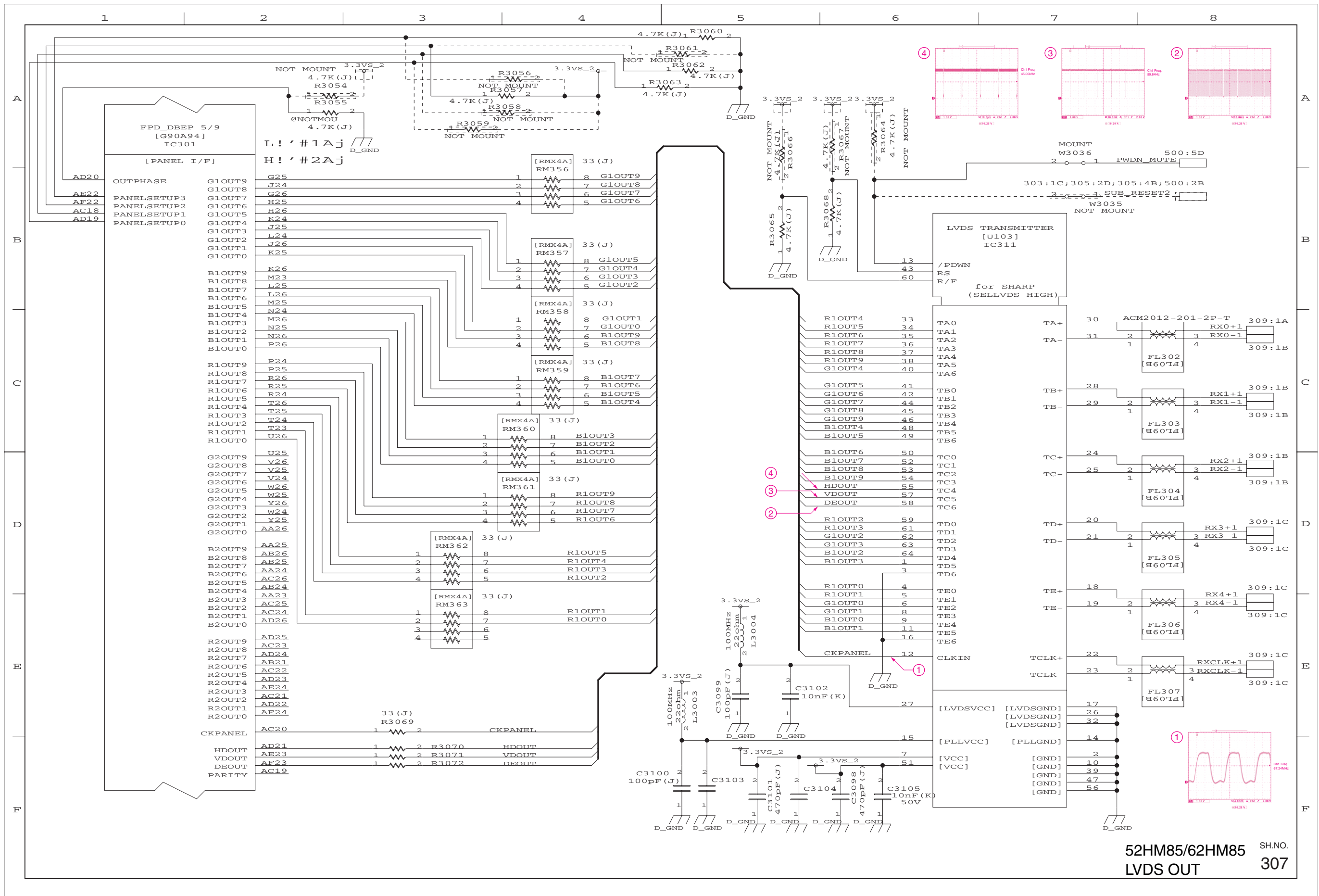
52HM85/62HM85  
 OSD for North America  
 SH.NO.  
 304



52HM85/62HM85  
IIC  
SH.NO.  
305



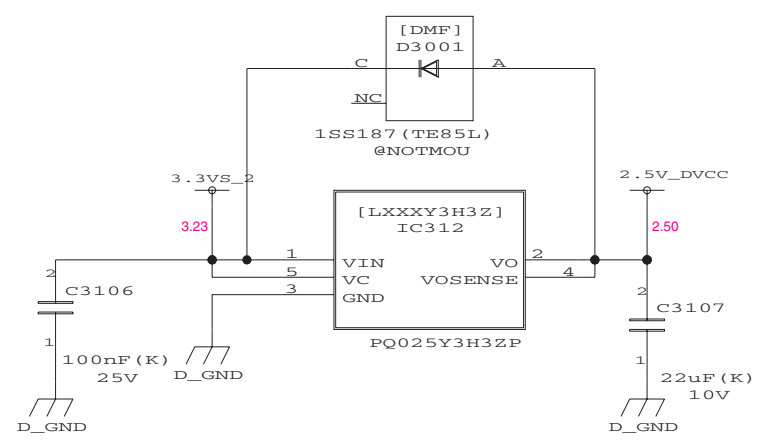




1 2 3 4 5 6 7 8

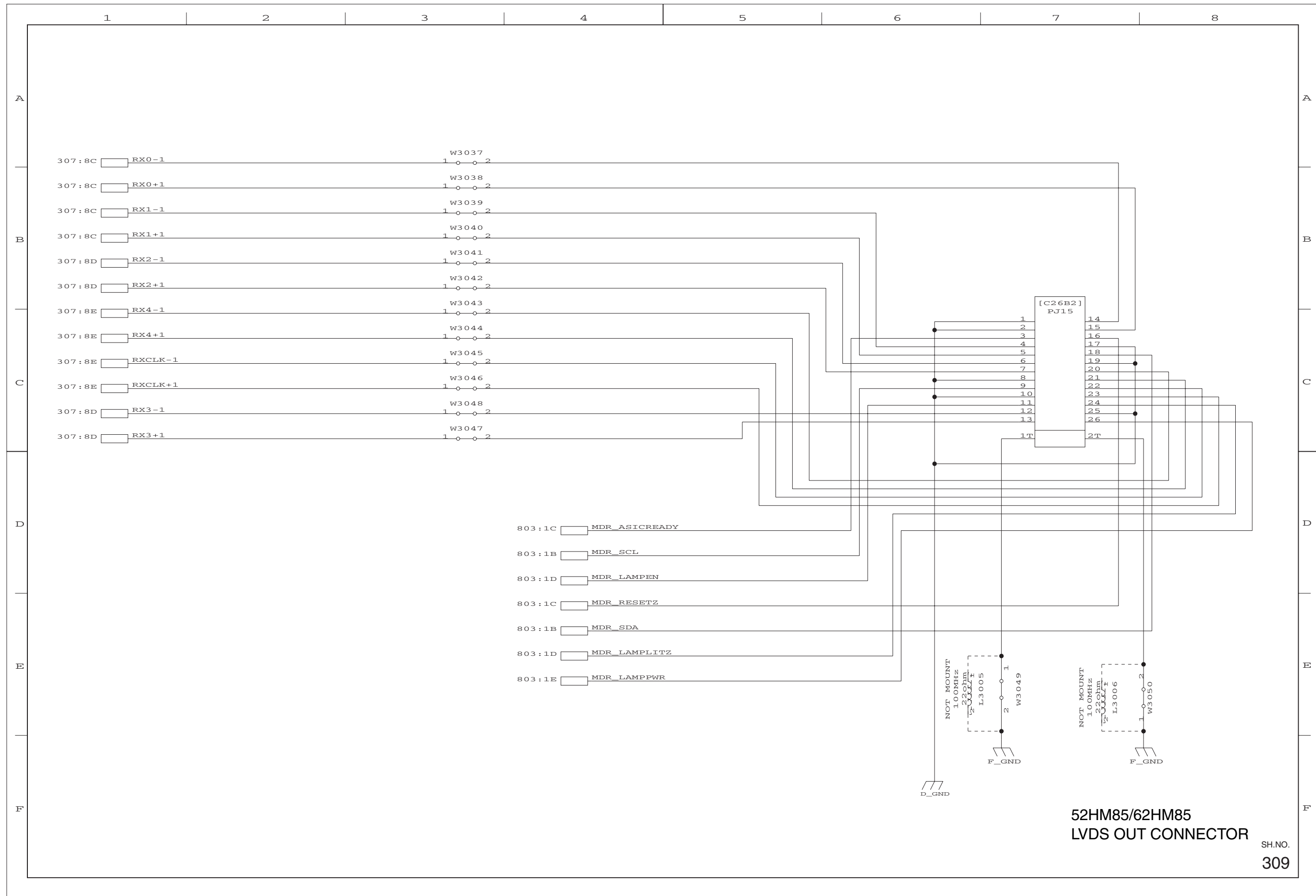
A  
B  
C  
D  
E  
F

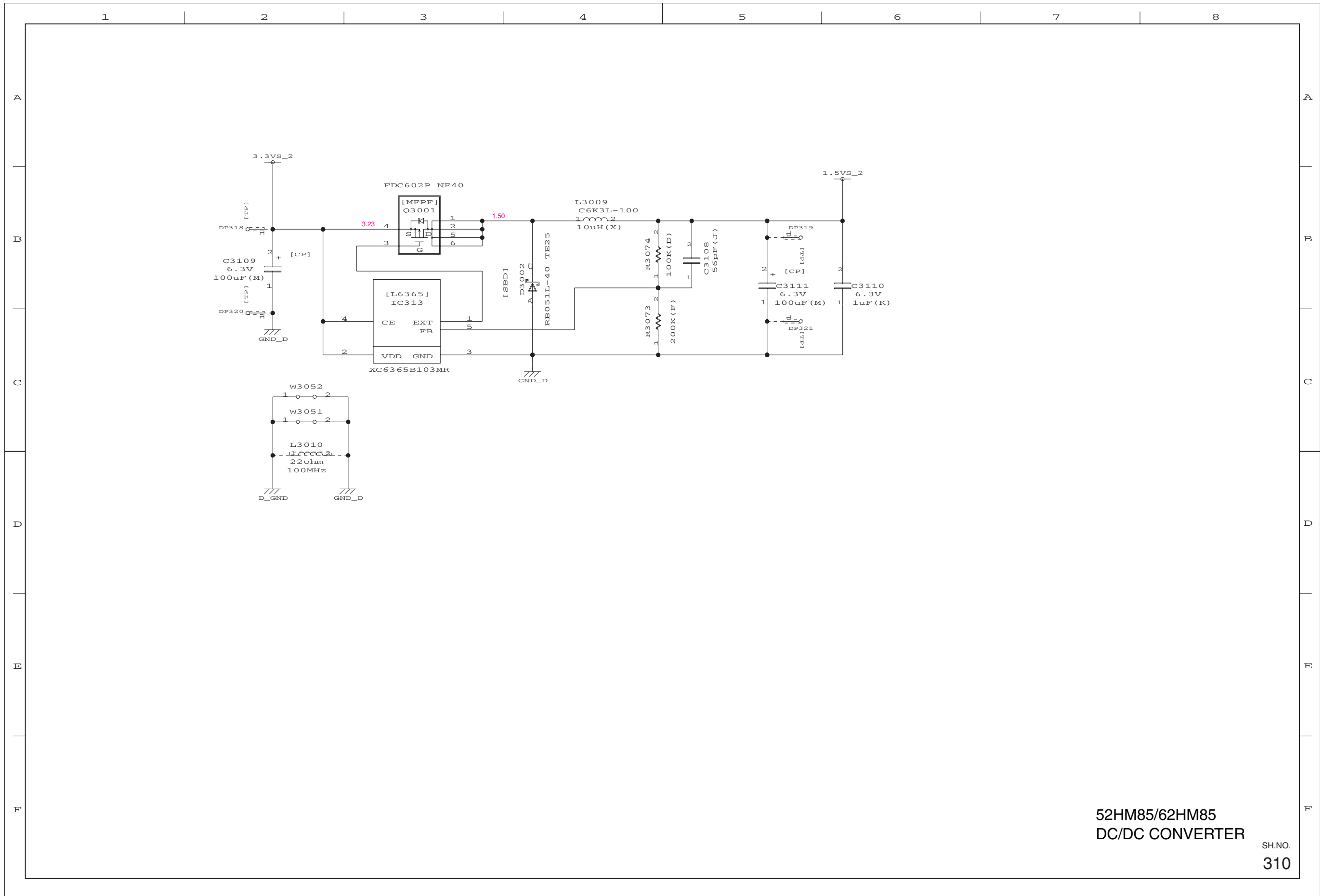
A  
B  
C  
D  
E  
F



52HM85/62HM85  
Power (3.3V\_2 to 2.5V\_DVCC)

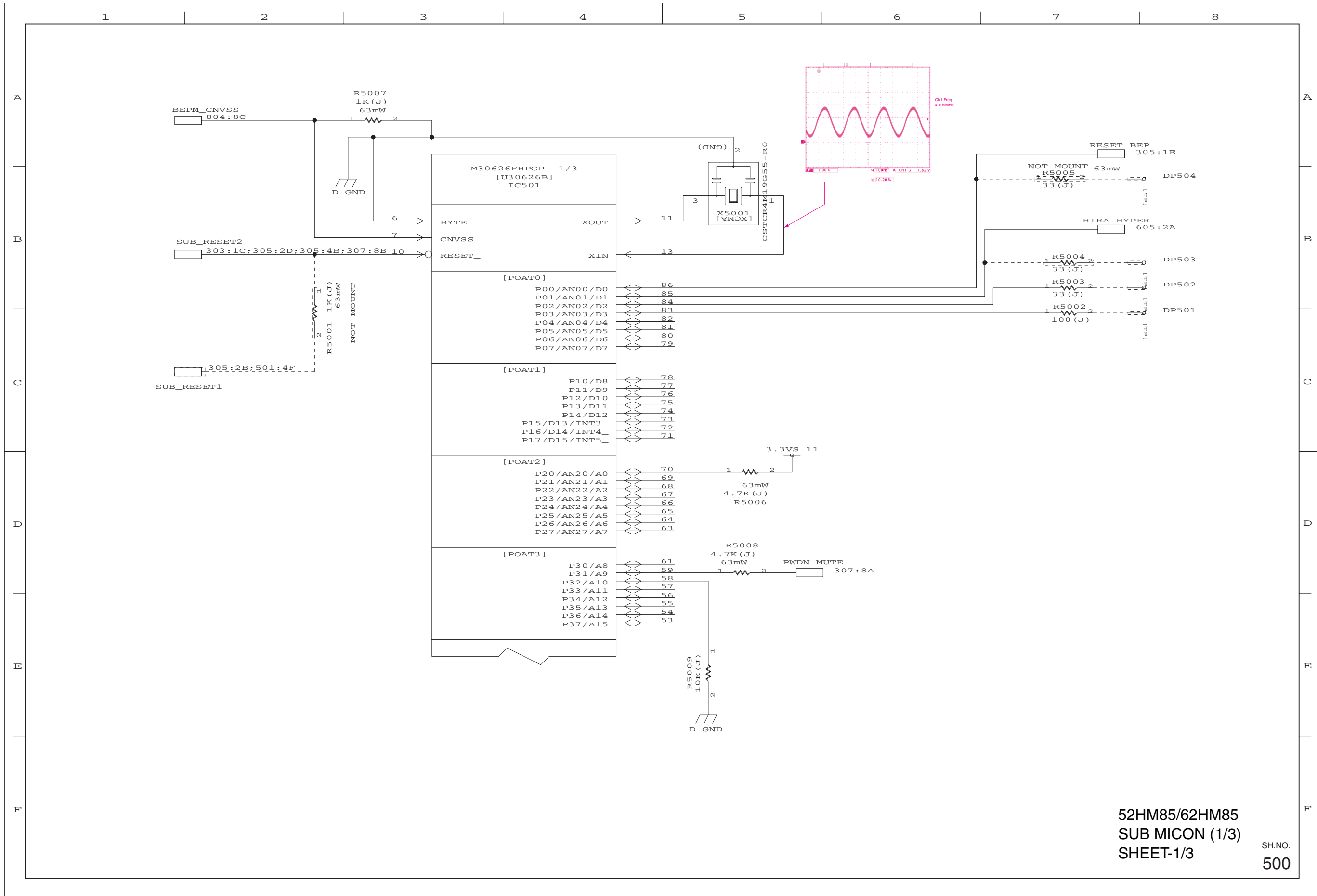
SH.NO.  
308





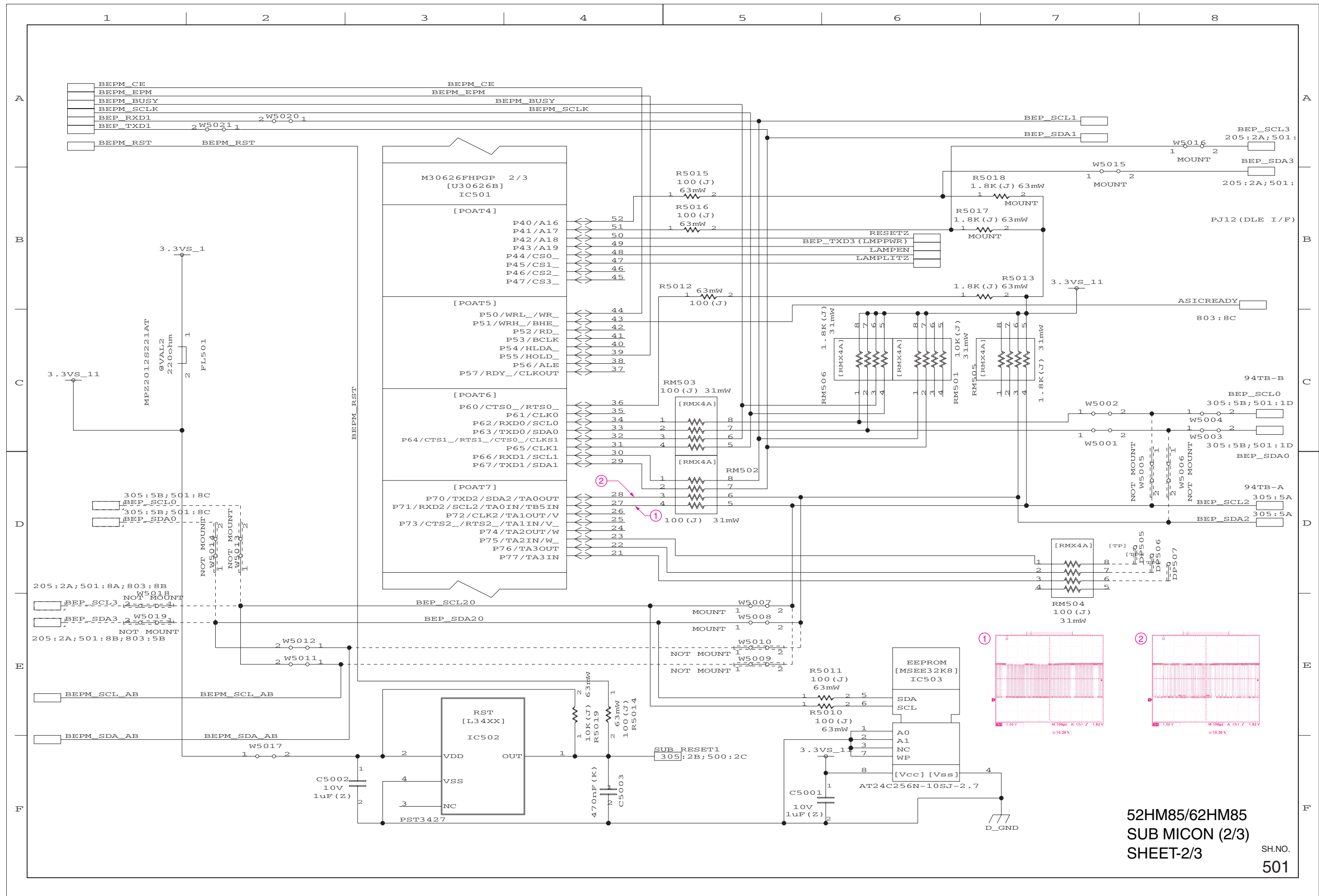
52HM85/62HM85  
DC/DC CONVERTER

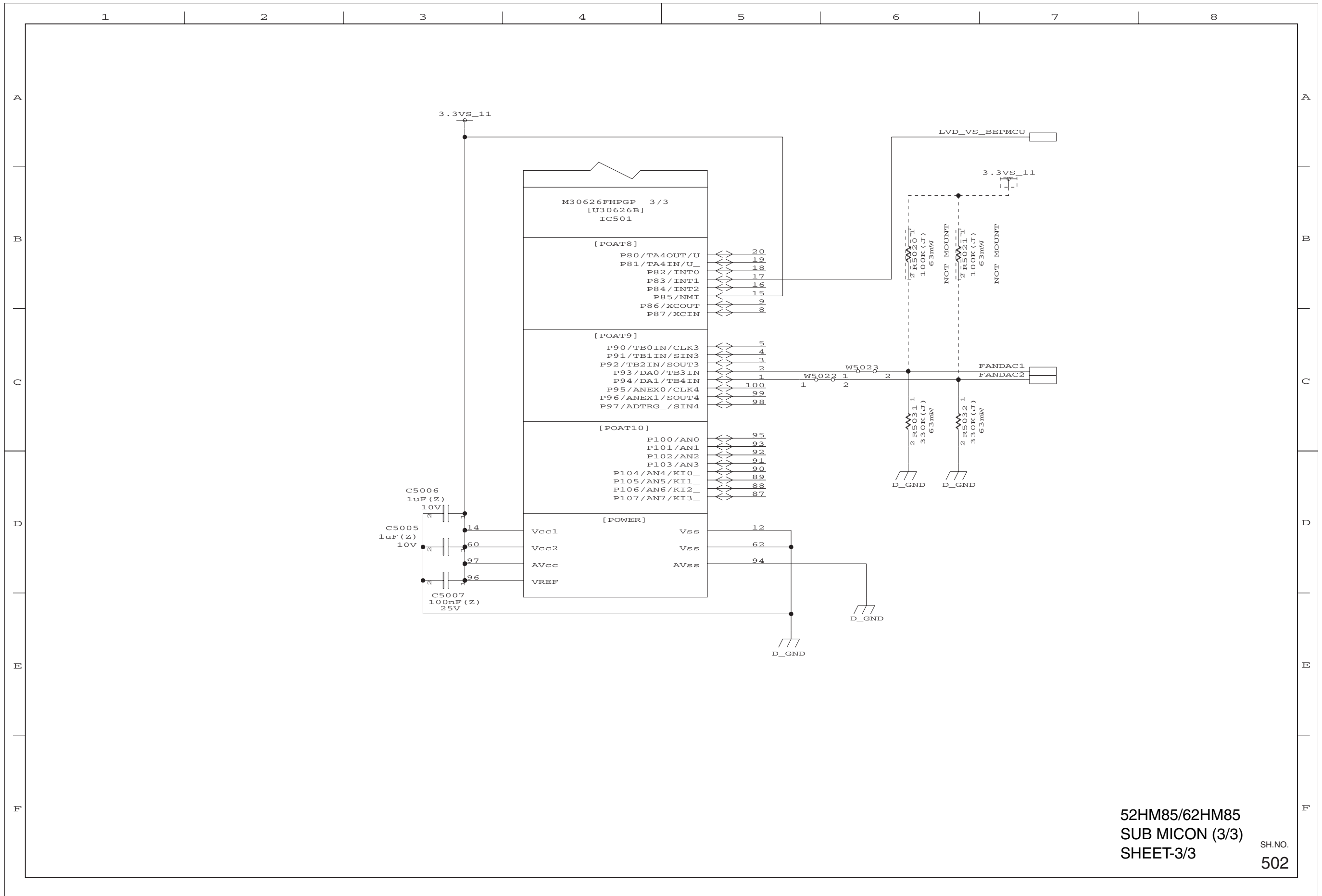
SH.NO.  
310



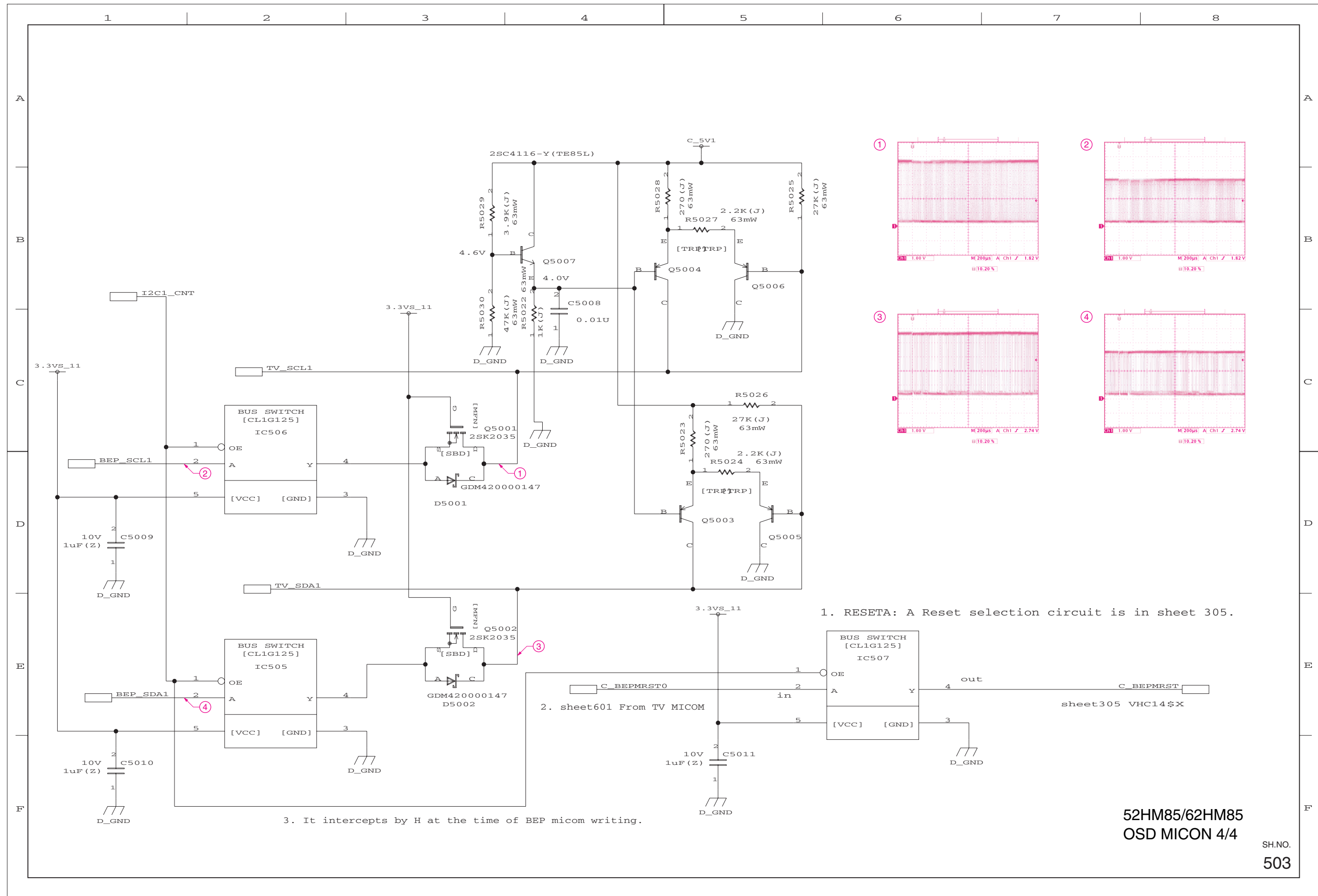
52HM85/62HM85  
 SUB MICON (1/3)  
 SHEET-1/3

SH.NO.  
 500





52HM85/62HM85  
 SUB MICON (3/3)  
 SHEET-3/3  
 SH.NO.  
 502



1. RESETA: A Reset selection circuit is in sheet 305.

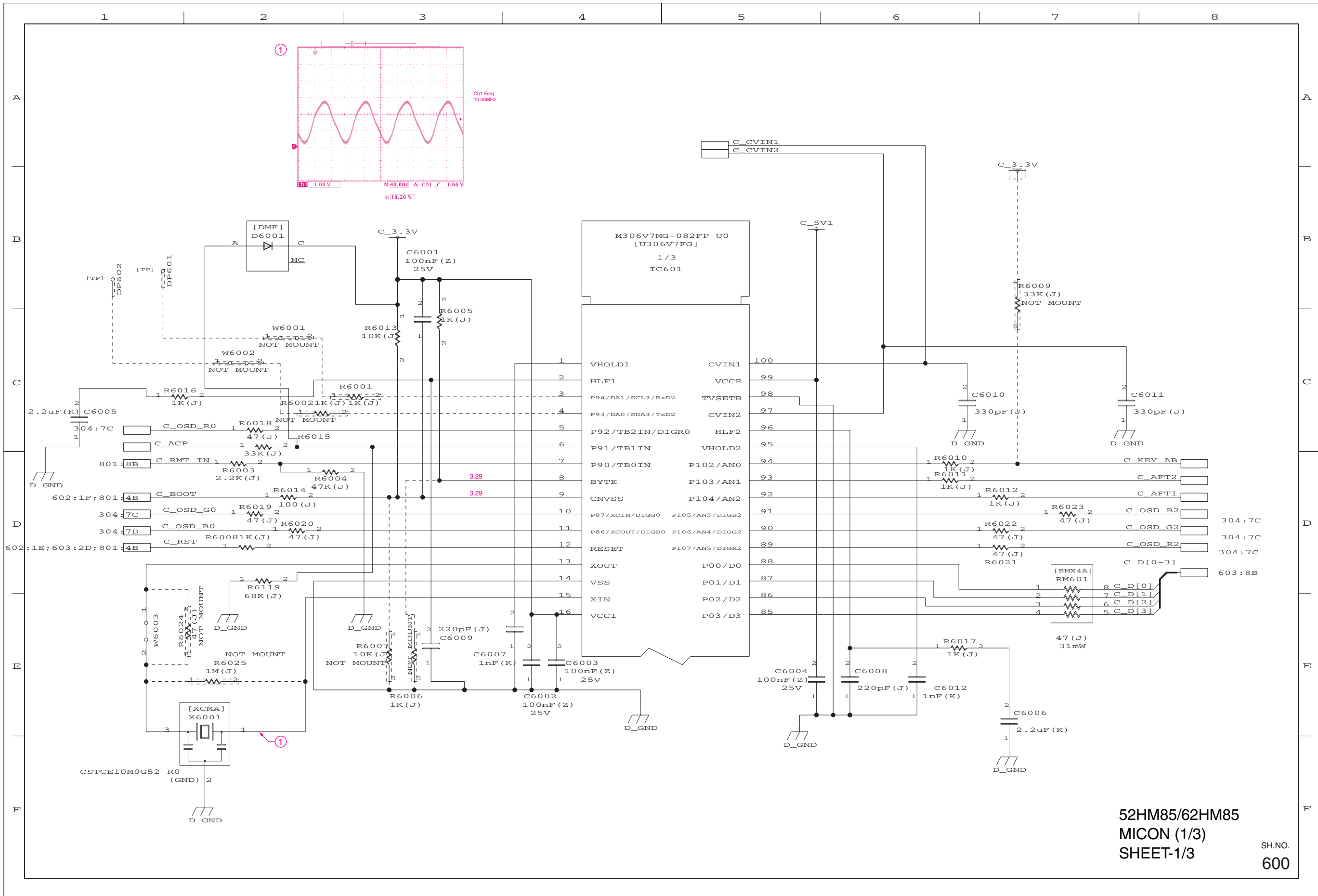
2. sheet601 From TV MICOM

3. It intercepts by H at the time of BEP micom writing.

52HM85/62HM85  
OSD MICON 4/4

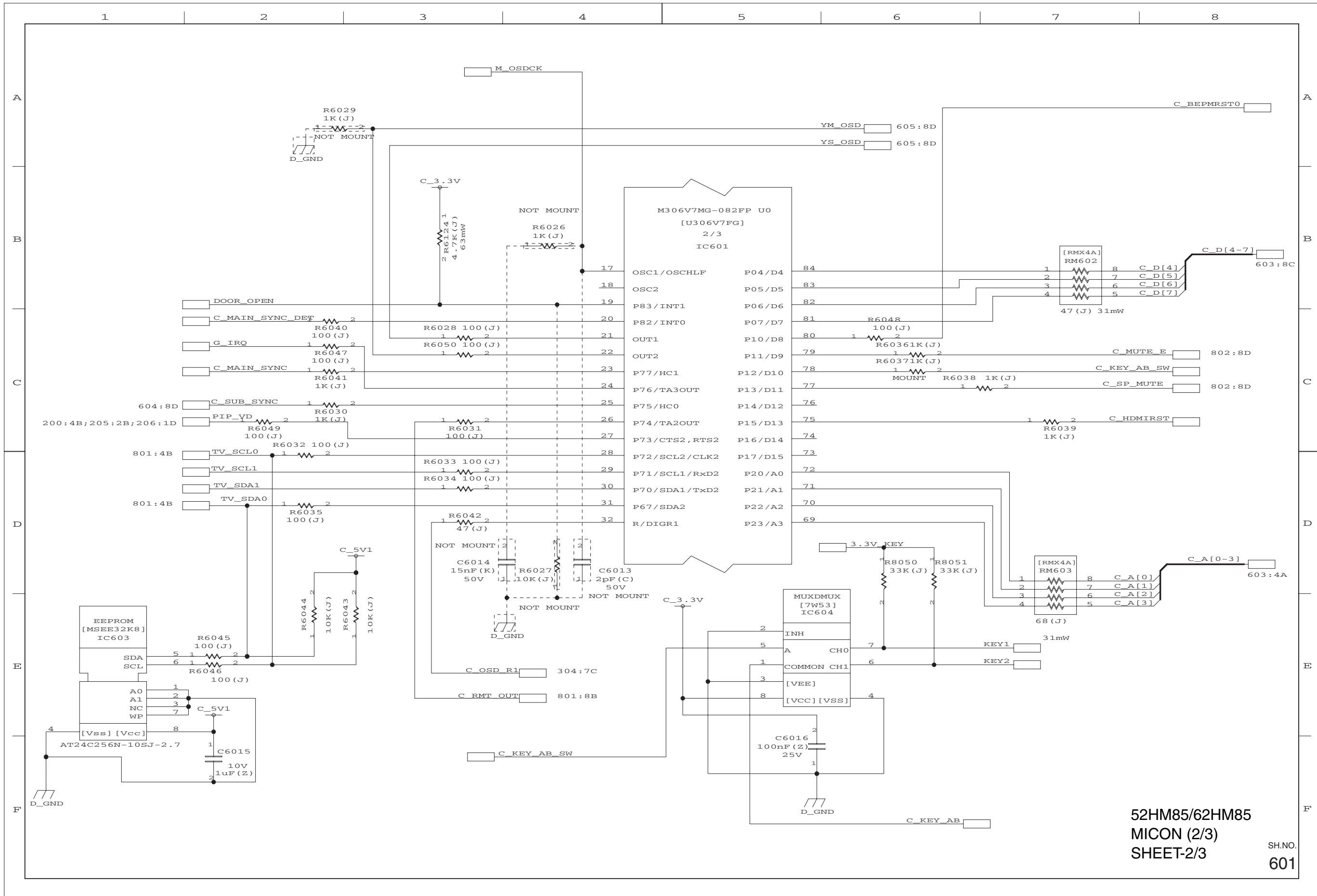
SH.NO.  
503

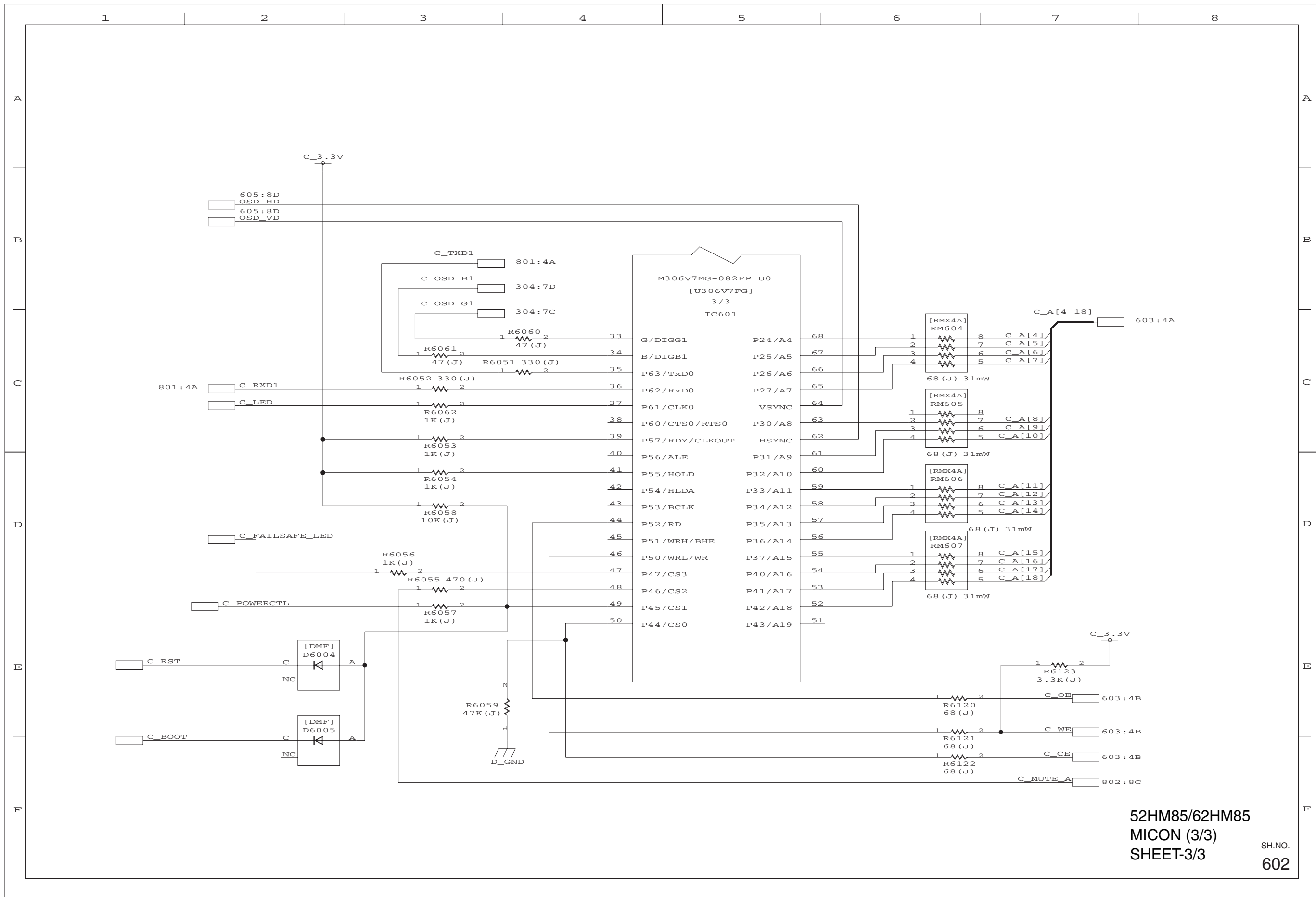


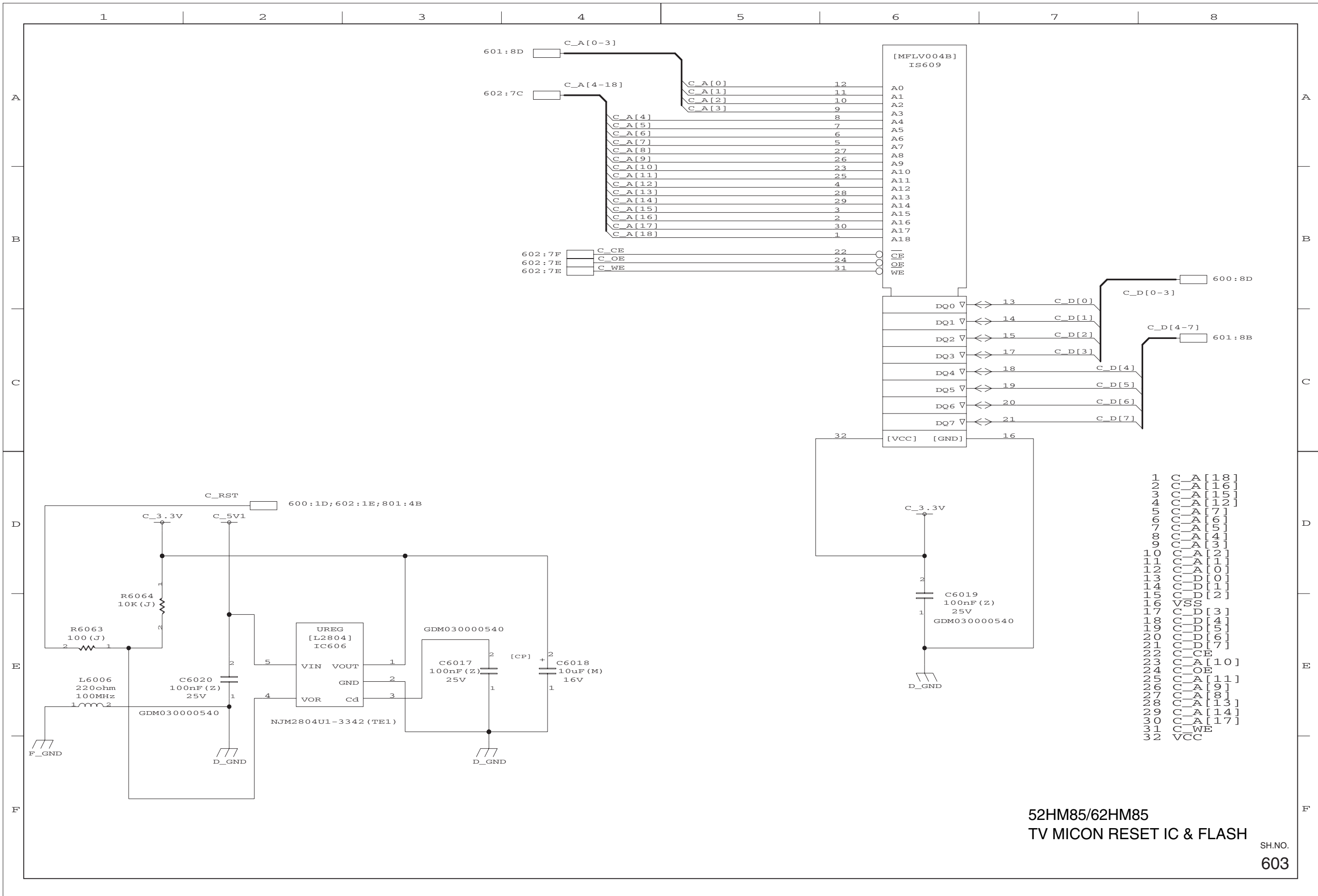


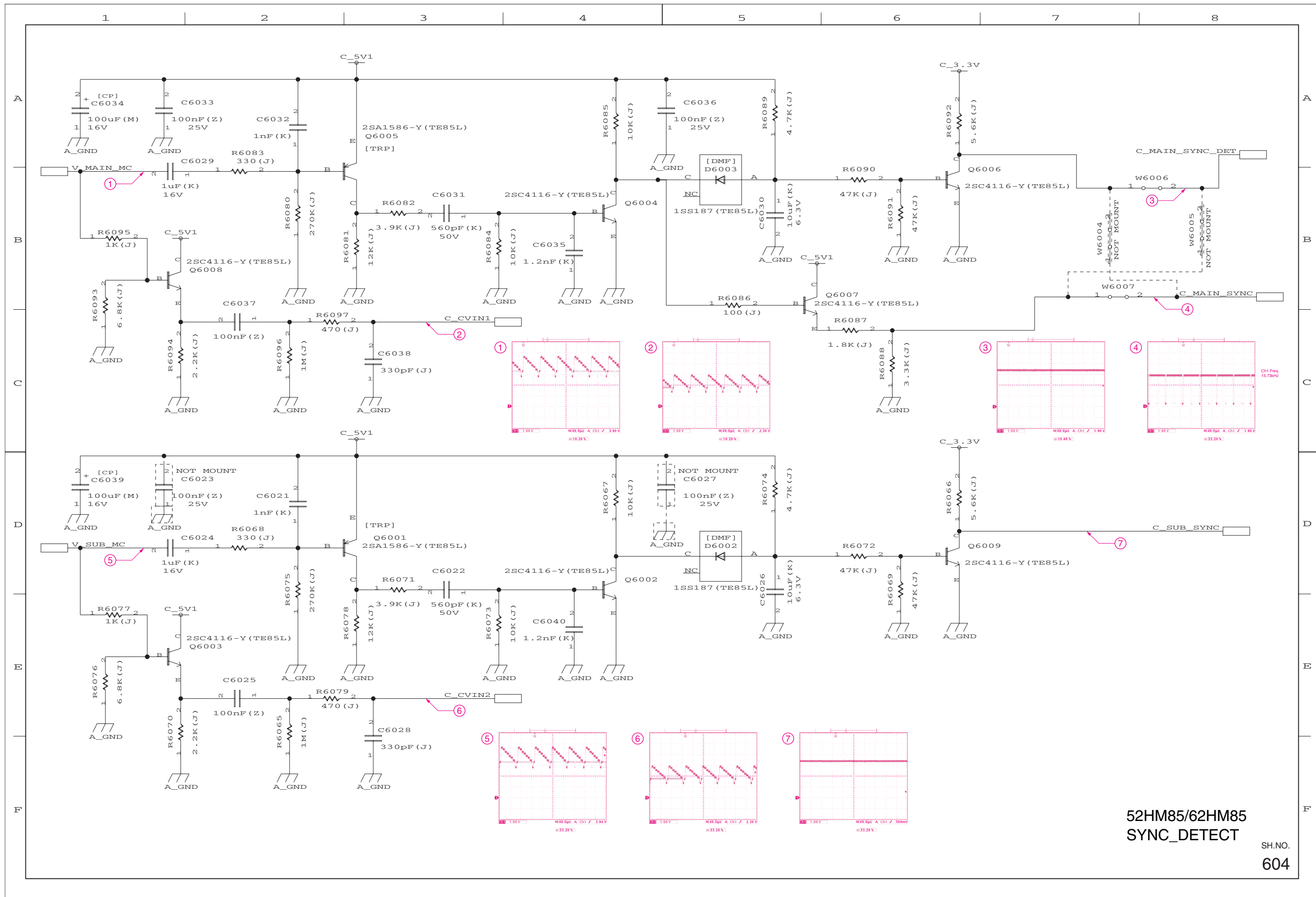
52HM85/62HM85  
MICON (1/3)  
SHEET-1/3

SH.NO.  
600



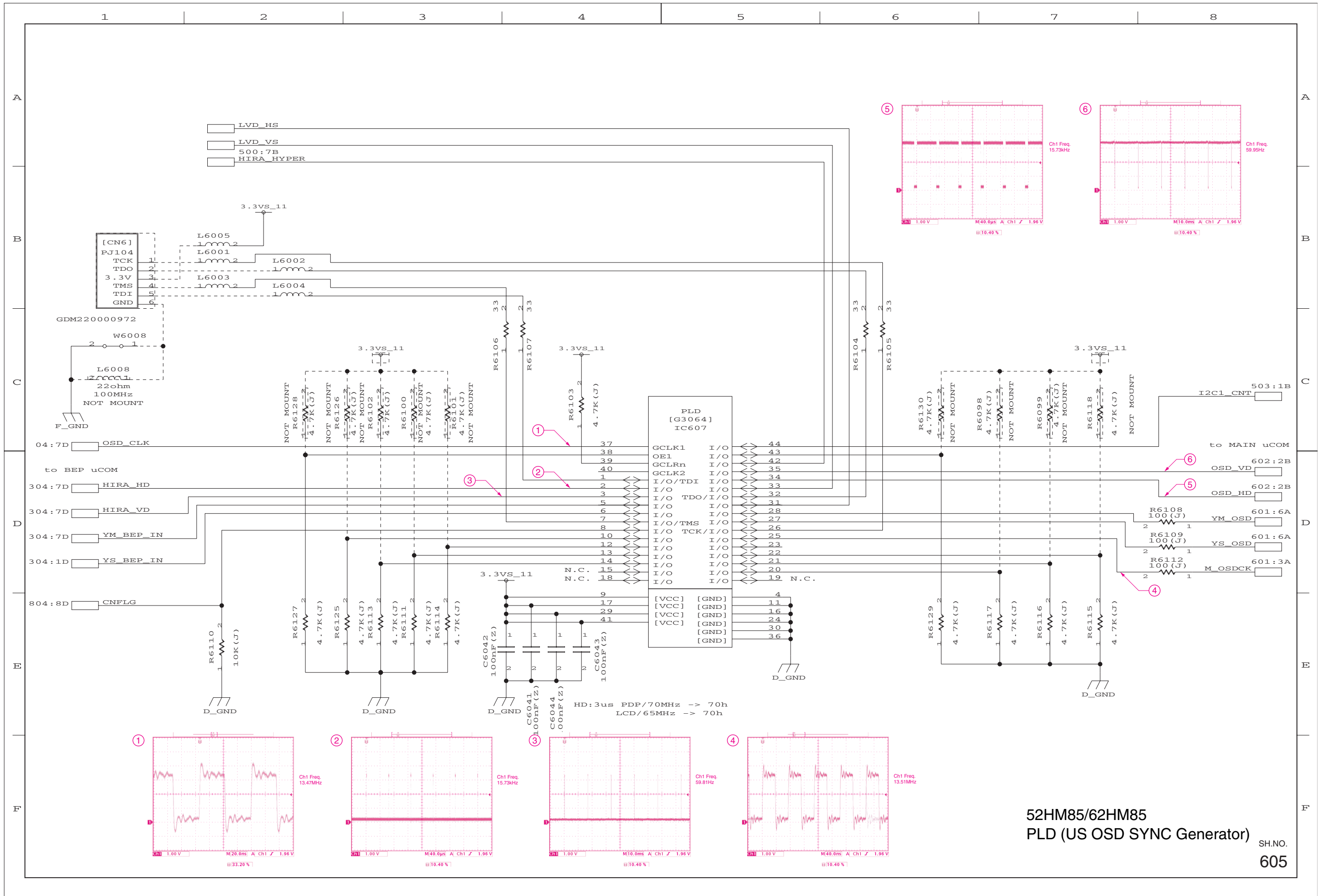


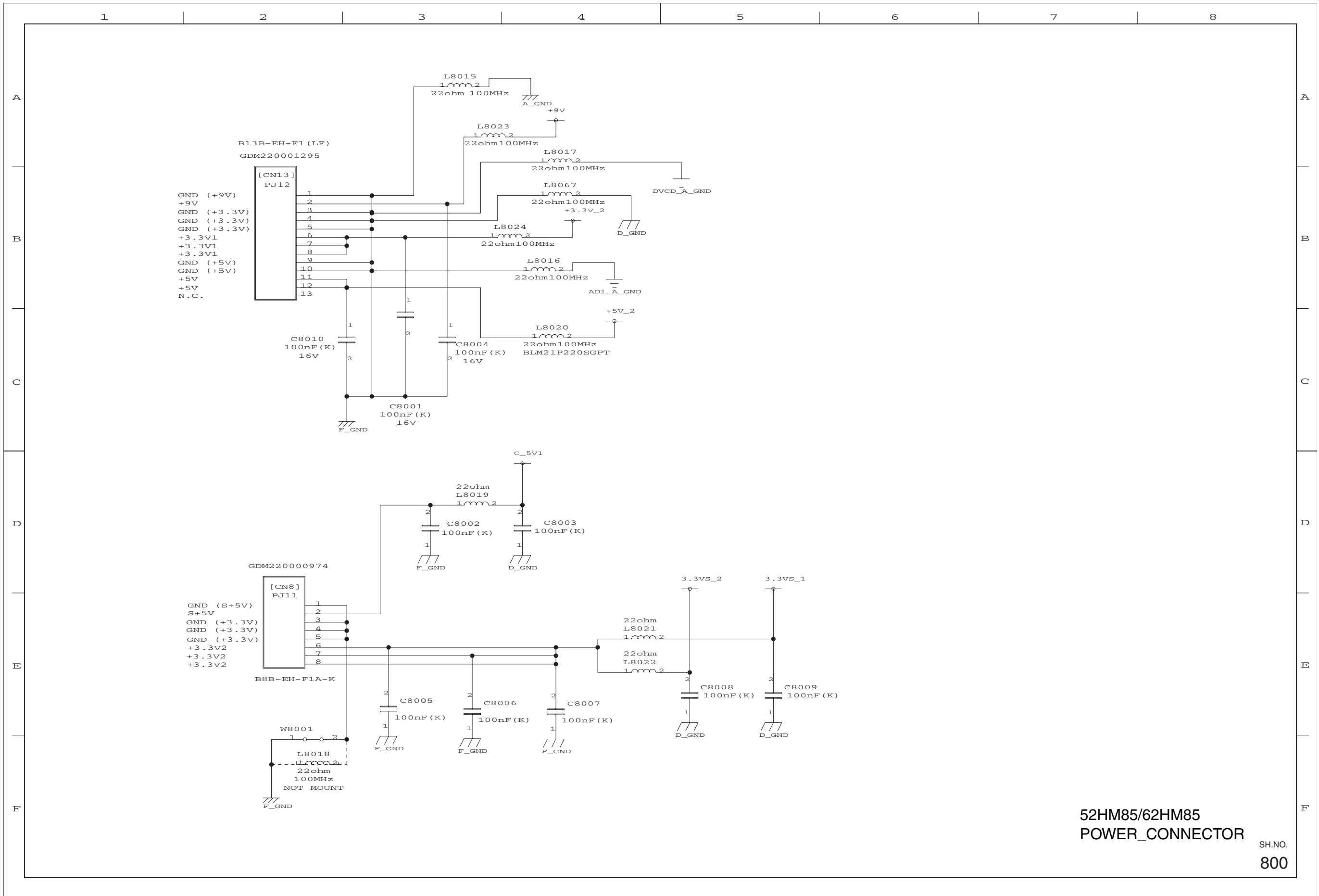




52HM85/62HM85  
SYNC\_DETECT

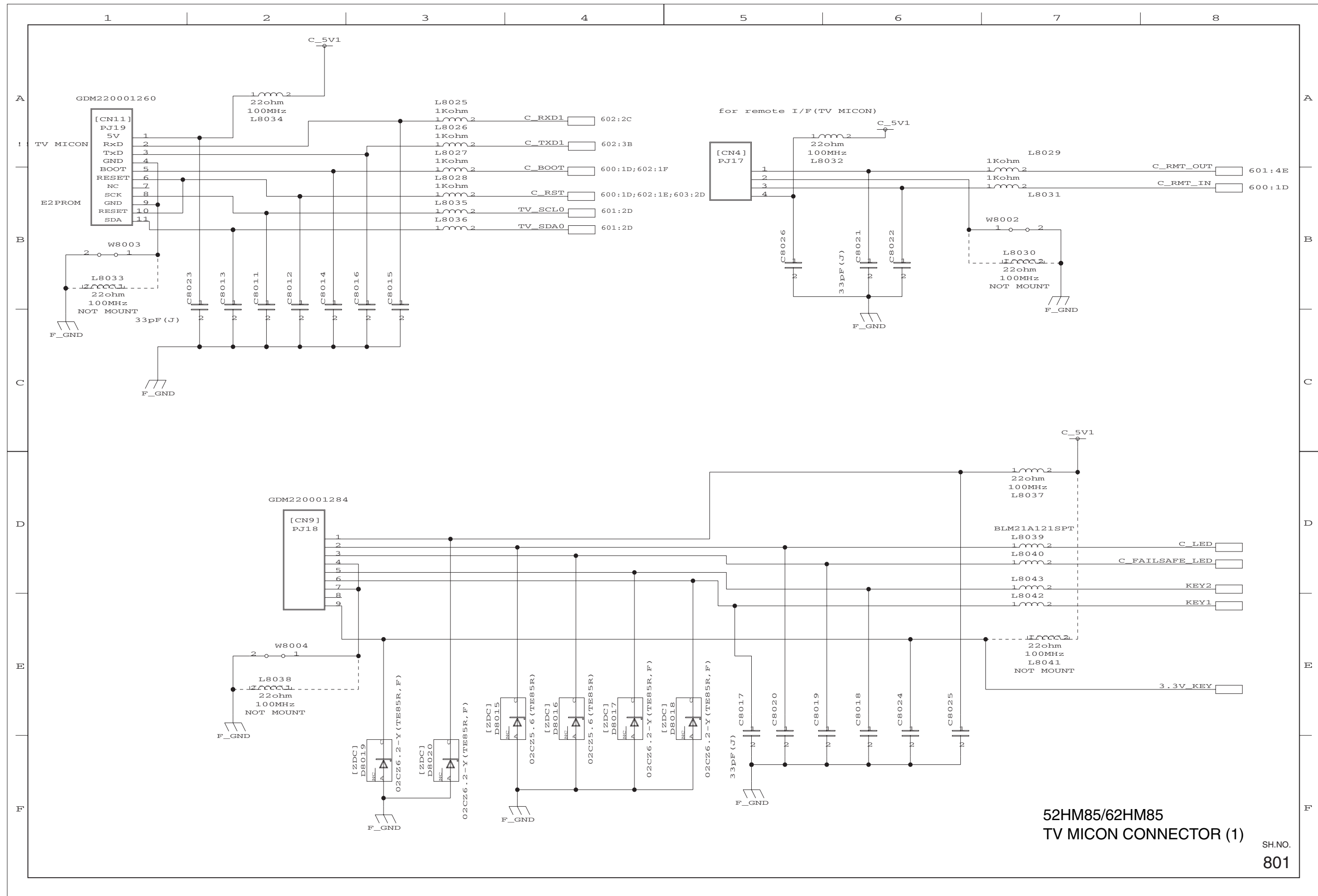
SH.NO.  
604



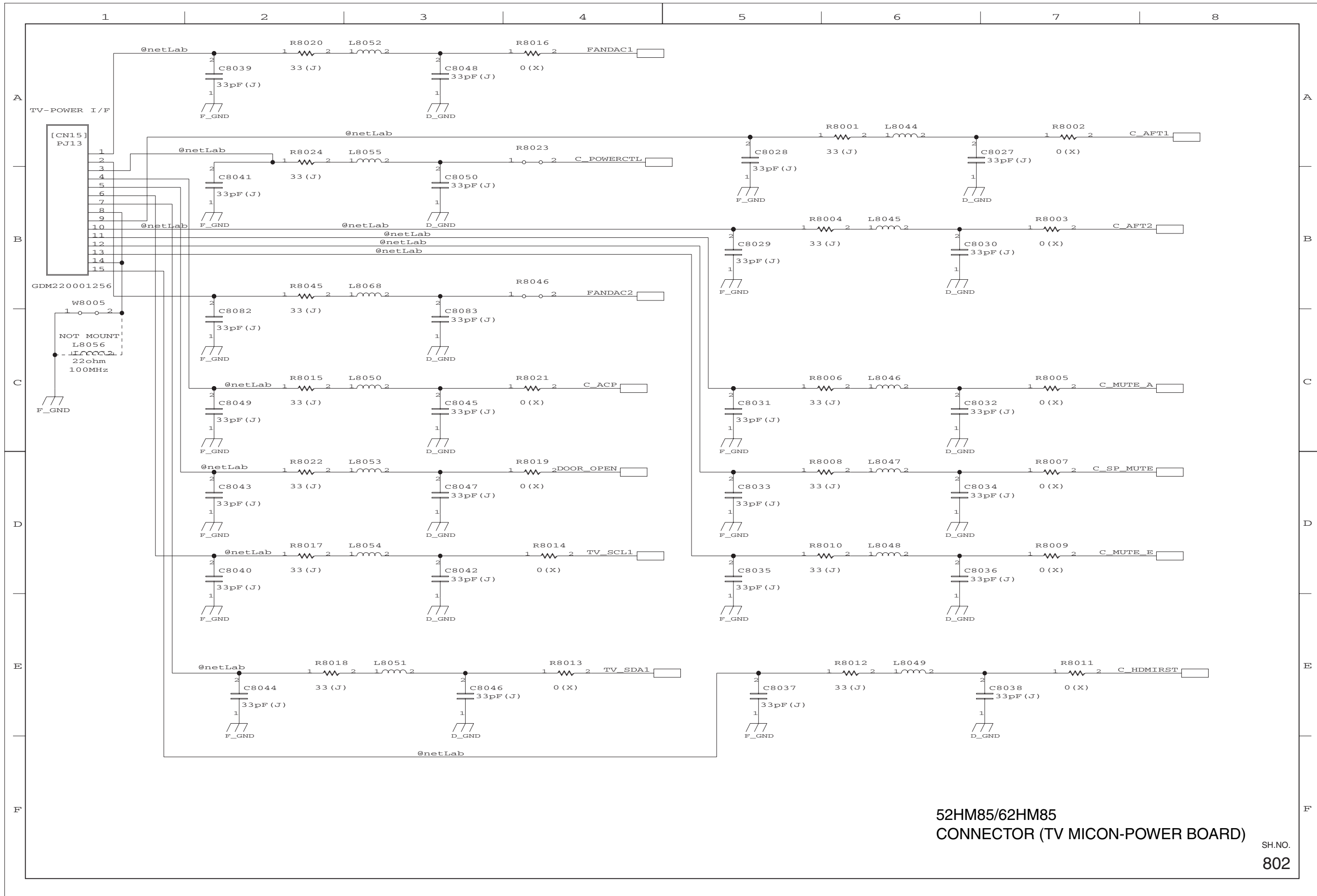


52HM85/62HM85  
POWER\_CONNECTOR

SH.NO.  
800

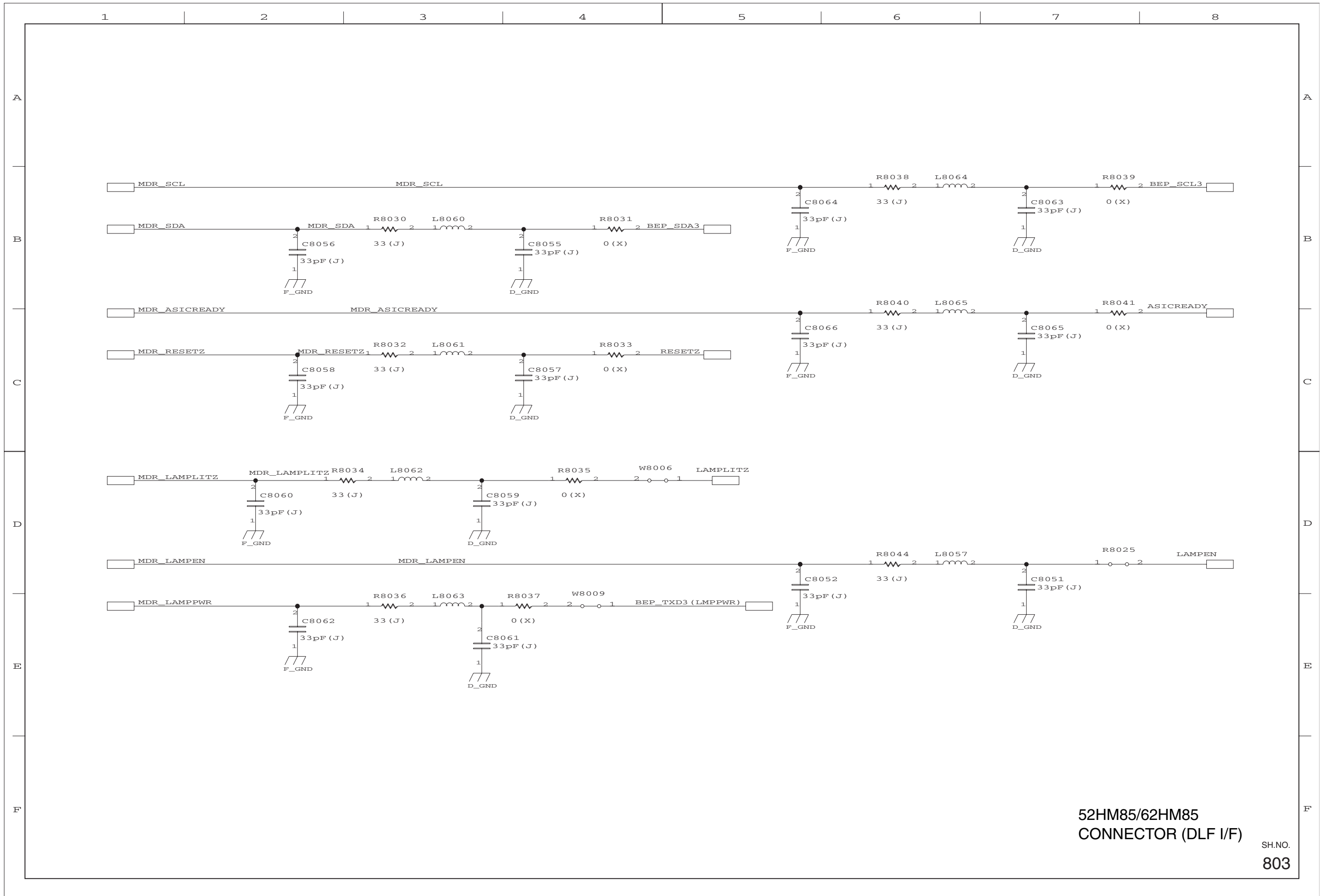






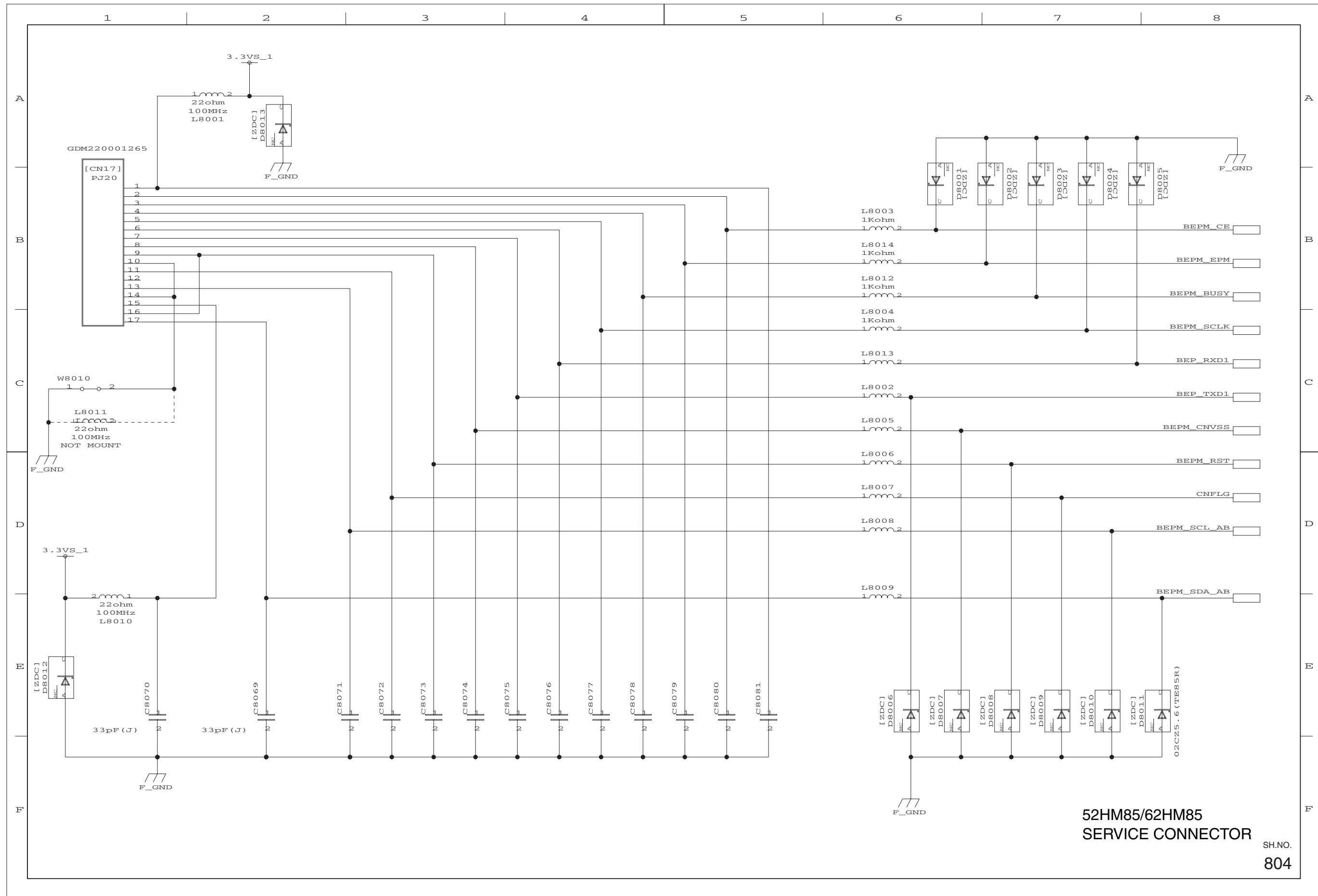
52HM85/62HM85  
CONNECTOR (TV MICON-POWER BOARD)

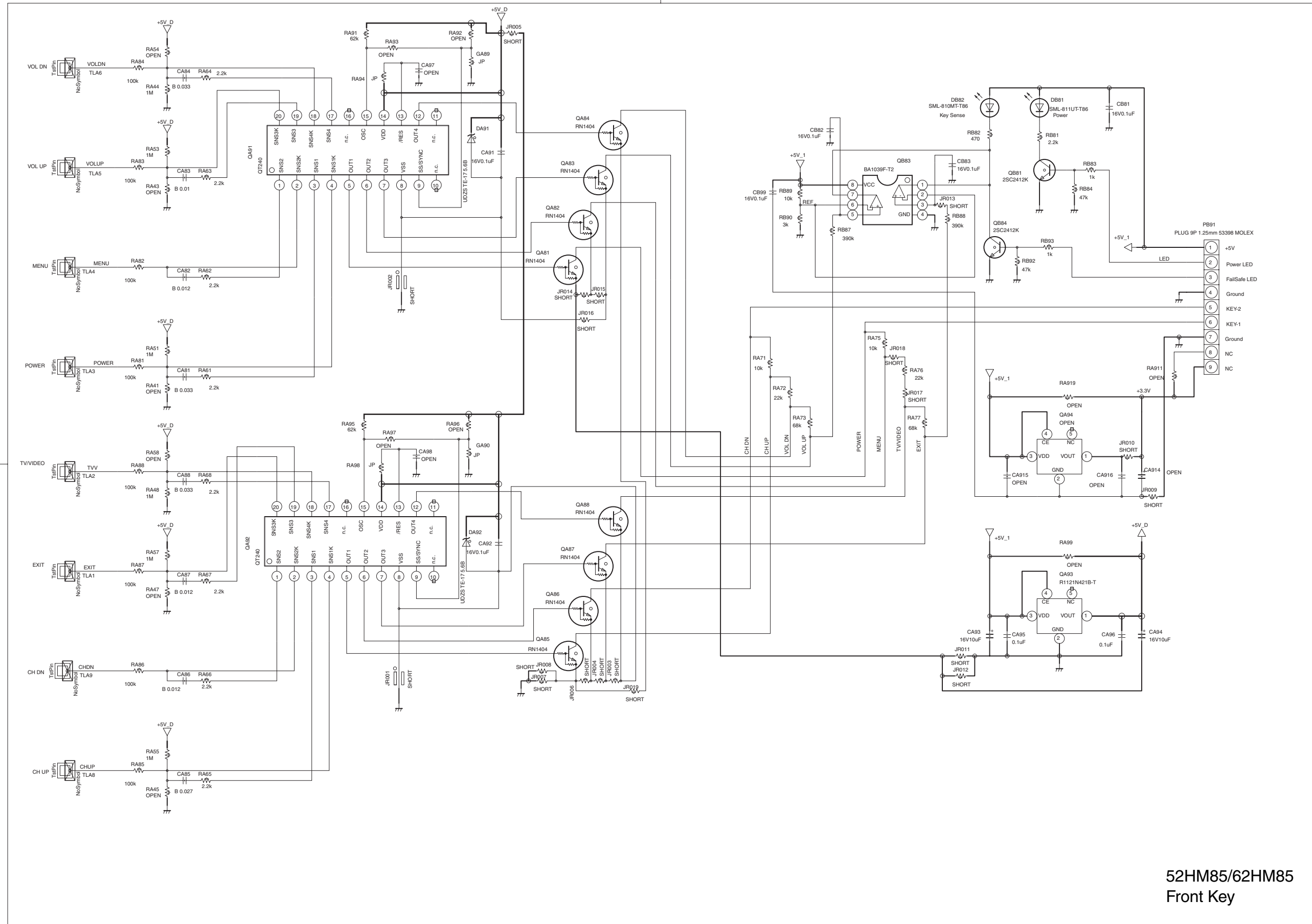
SH.NO.  
802



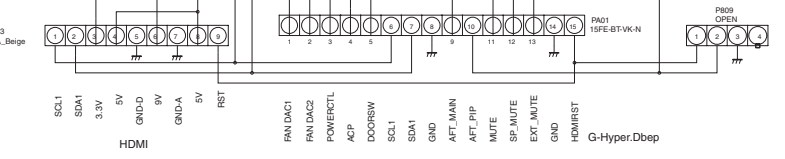
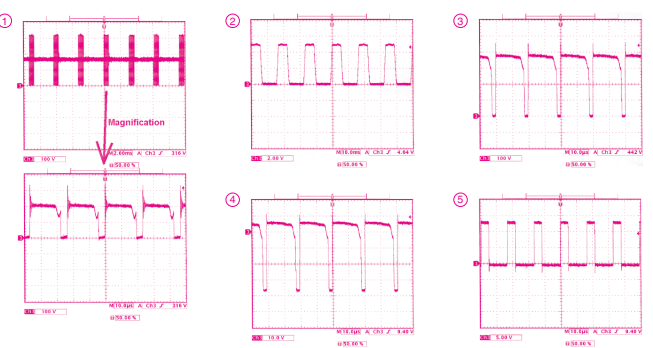
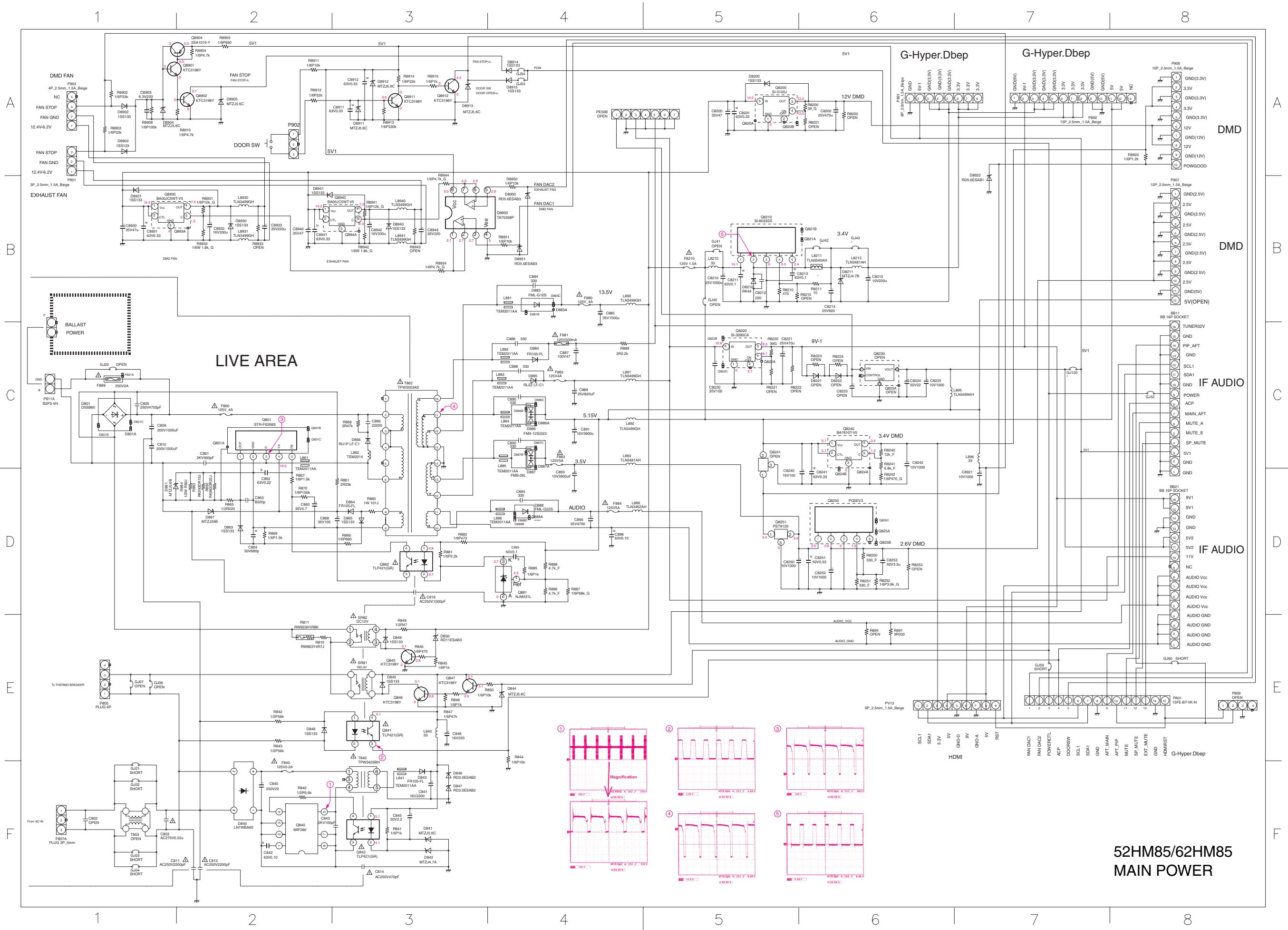
52HM85/62HM85  
CONNECTOR (DLF I/F)

SH.NO.  
803

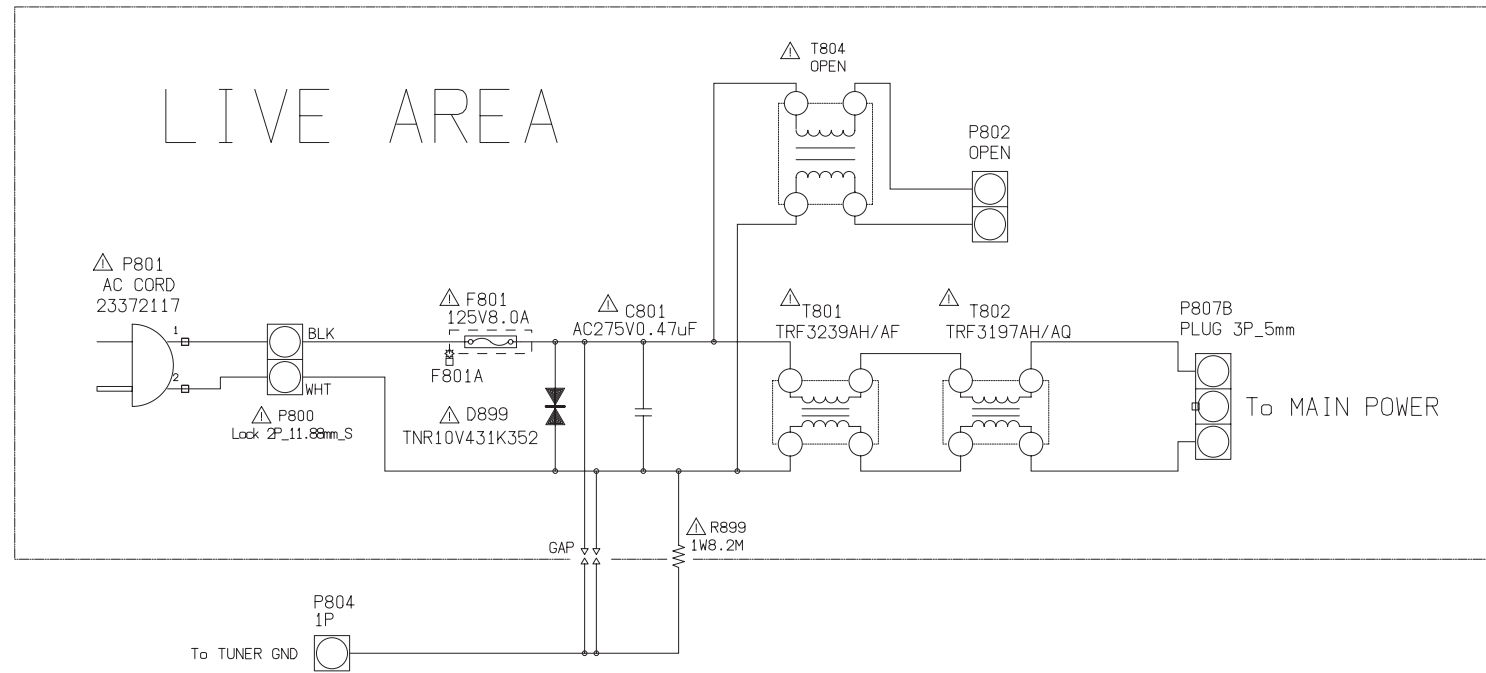




52HM85/62HM85  
Front Key



52HM85/62HM85  
MAIN POWER



52HM85/62HM85  
AC IN

**TOSHIBA CORPORATION**  
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN