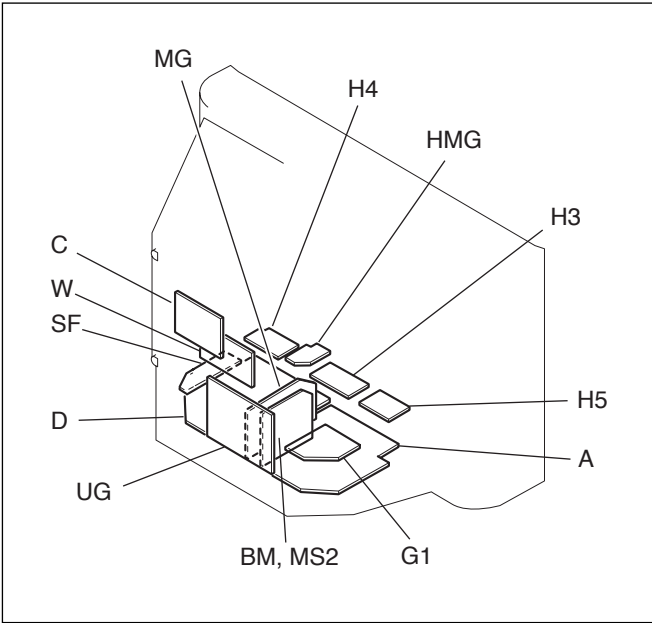




6-2. CIRCUIT BOARDS LOCATION



Note: The symbol  display is on the component side.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.





The symbol  indicate fast operating fuse. Replace only with fuse of same rating as maked.


6-3. SCHEMATIC DIAGRAMS


Note:

- Capacitors without voltage indication are all 50V.
- All resistors are in ohms.
kΩ=1000Ω, MΩ=1000kΩ
- Indication of resistance, which dose not have one for rating electrical power, is as follows.



Pitch : 5mm

Rating electrical power : 1/4 W
-  : nonflammable resistor.
-  : fusible resistor.
-  : internal component.
-  : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

-  : earth-chassis.




The components identified by  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.

Should replacement be required, replace only with the value originally used.

- When replacing components identified by  , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by  and repeat the adjustment until the specified value is achieved.

(Refer to RV8002 adjustment on Page 56.)




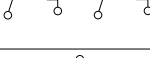







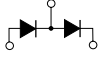







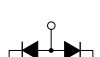



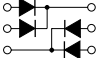

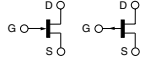

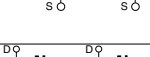

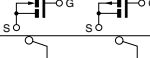

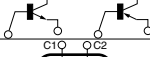



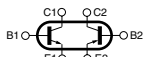

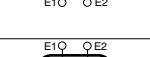

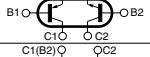

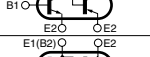

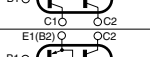


- Readings are taken with a PAL color-bar signal input.
- Readings are taken with a 10MΩ digital multimeter.

- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- * : Measurement impossibility.
- Circled numbers are waveform references.
-  : B+ bus.
-  : B- bus.
-  : signal path.(RF)

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: ⌘	ADJUSTMENT RESISTOR
	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

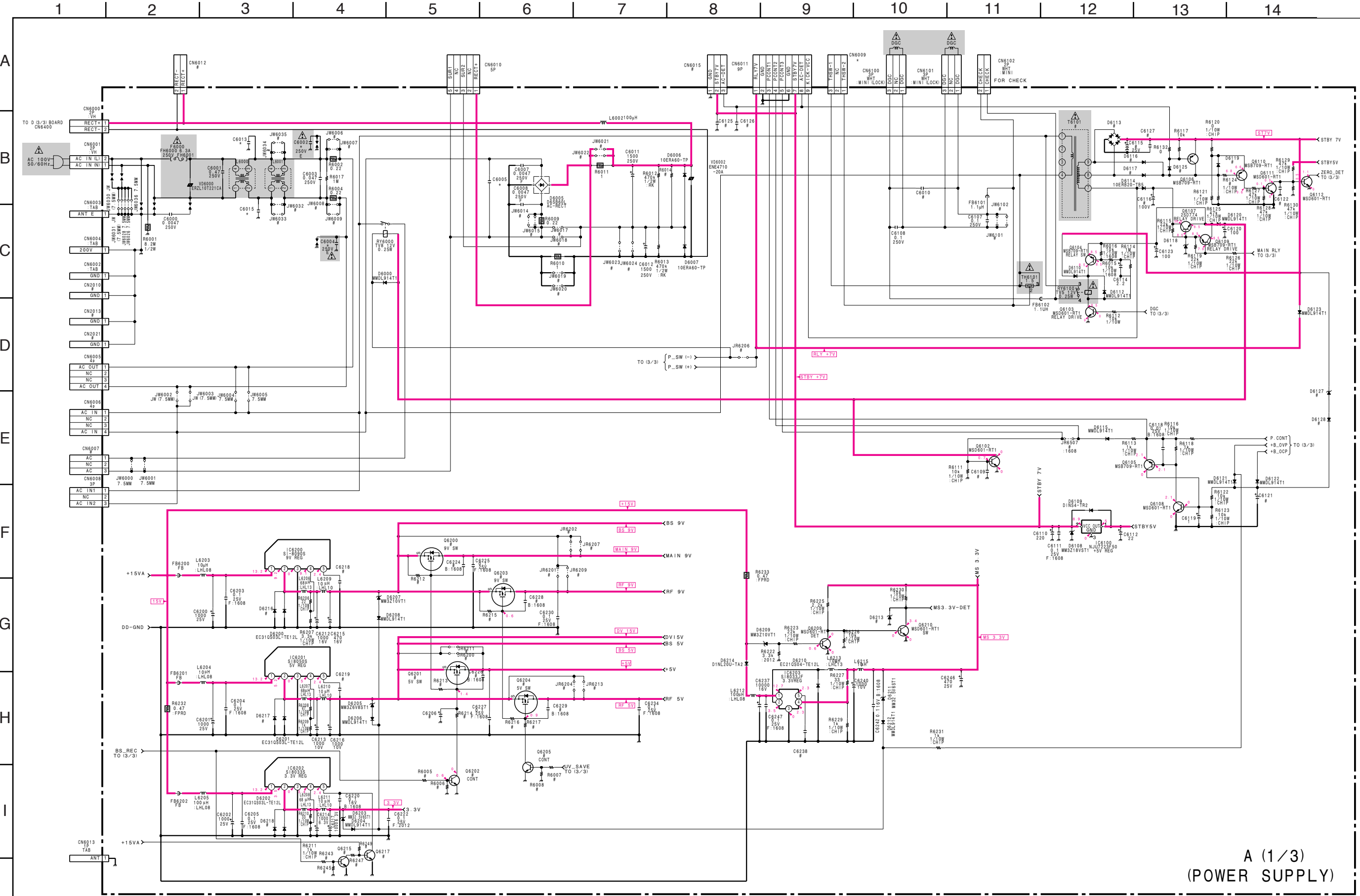
Terminal name of semiconductors in silk screen printed circuit (*)

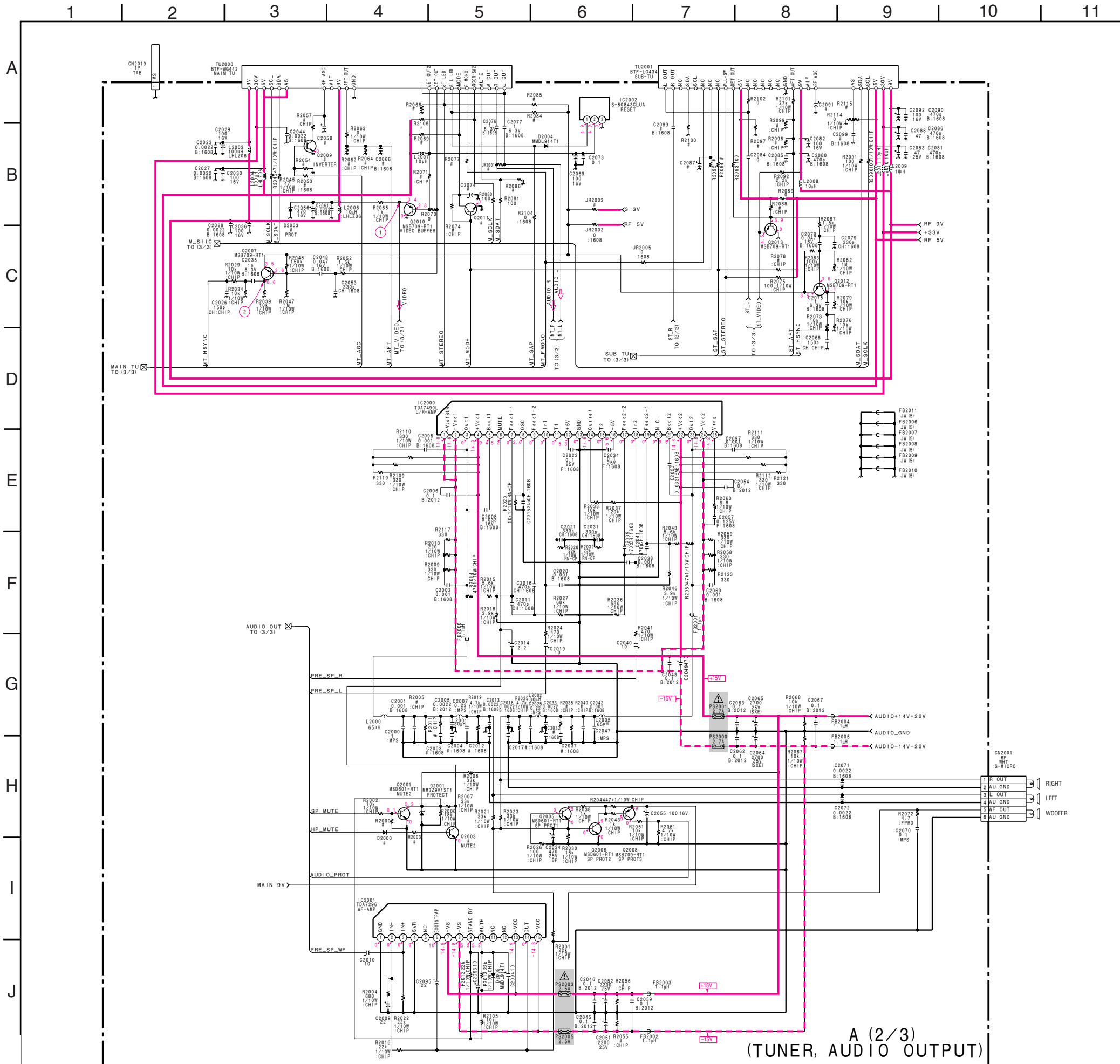
	Device	Printed symbol	Terminal name	Circuit
①	Transistor		Collector Base Emitter	
②	Transistor		Collector Base Emitter	
③	Diode		Cathode Anode	
④	Diode		Cathode Anode (NC)	
⑤	Diode		Cathode Anode (NC)	
⑥	Diode		Common Anode Cathode	
⑦	Diode		Common Anode Cathode	
⑧	Diode		Common Anode Anode	
⑨	Diode		Common Anode Anode	
⑩	Diode		Common Cathode Cathode	
⑪	Diode		Common Cathode Cathode	
⑫	Diode		Anode Anode Cathode Anode	
⑬	Transistor (FET)		Drain Source Gate	
⑭	Transistor (FET)		Drain Source Gate	
⑮	Transistor (FET)		Source Drain Gate	
⑯	Transistor		Emitter Collector Base	
⑰	Transistor		C2(B1)E1 E2(B2)C1	
⑱	Transistor		C1(B2)E2 E1(B1)C2	
⑲	Transistor		C1 B2 E2 E1 B1 C2	
⑳	Transistor		C1 B2 E2 E1 B1 C2	
㉑	Transistor		E2 B1 E1 C2 C1(B2)	
㉒	Transistor		(B2) B1 E1 E2 C1 C2	
㉓	Transistor		(B2) E2 E1 B1 C2 C1	
—	Discrete semiconductor			

(Chip semiconductors that are not actually used are included.)

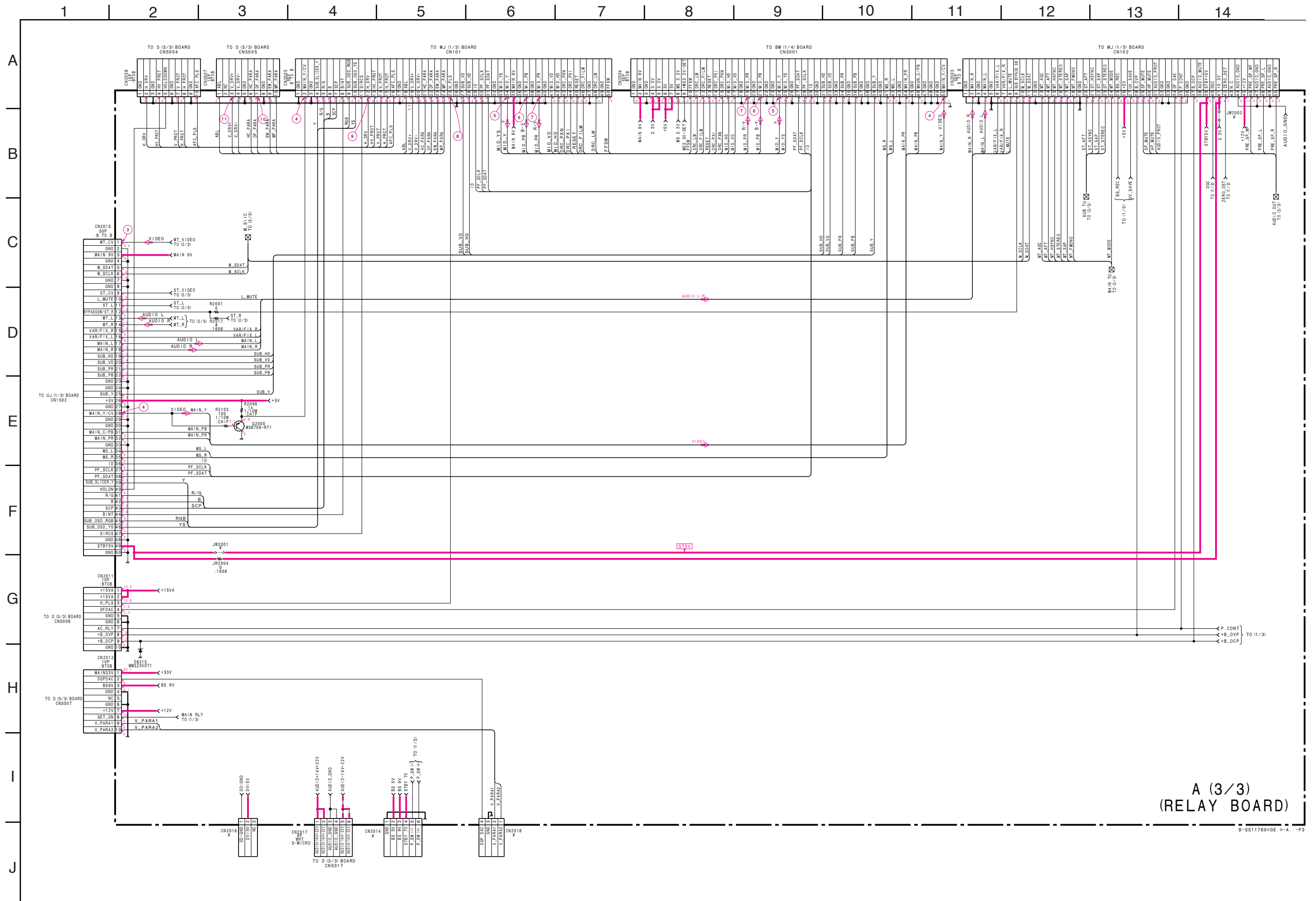
Ver.1.5

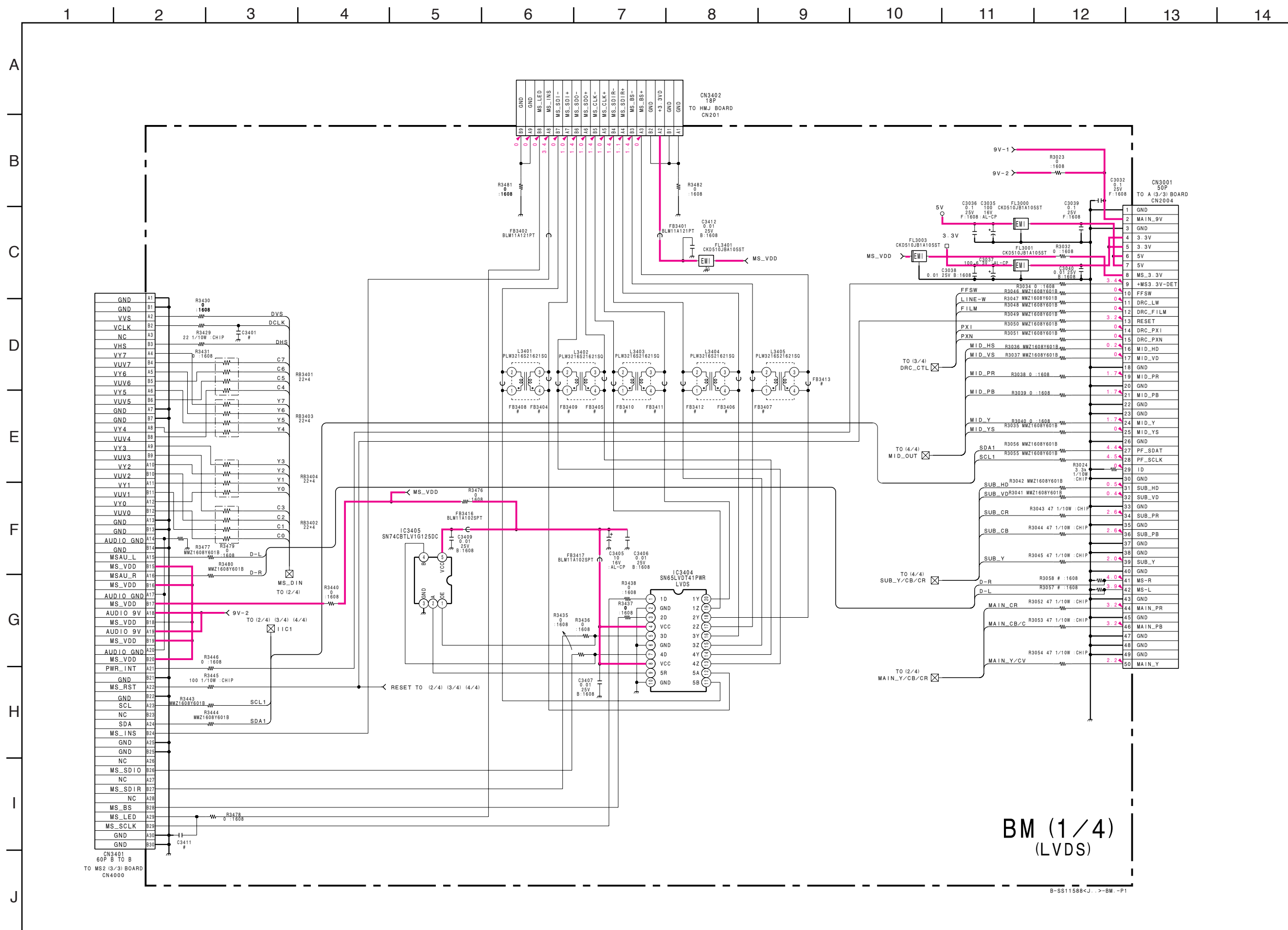
REF	HR29M91			HR34M91		
	Middle East exclude Saudi Arabia, Kuwait, Iran	Saudi Arabia, Kuwait	Iran	Middle East exclude Saudi Arabia, Kuwait, Iran	Saudi Arabia, Kuwait	Iran
C6002	1000pF 250V	2200pF 250V	1000pF 250V	1000pF 250V	2200pF 250V	1000pF 250V
C6004	1000pF 250V	2200pF 250V	1000pF 250V	1000pF 250V	2200pF 250V	1000pF 250V
C6013	1000pF 250V	-	1000pF 250V	1000pF 250V	-	1000pF 250V
C6015	1000pF 250V	-	1000pF 250V	1000pF 250V	-	1000pF 250V
CN6009	-	3p	-	-	3p	-





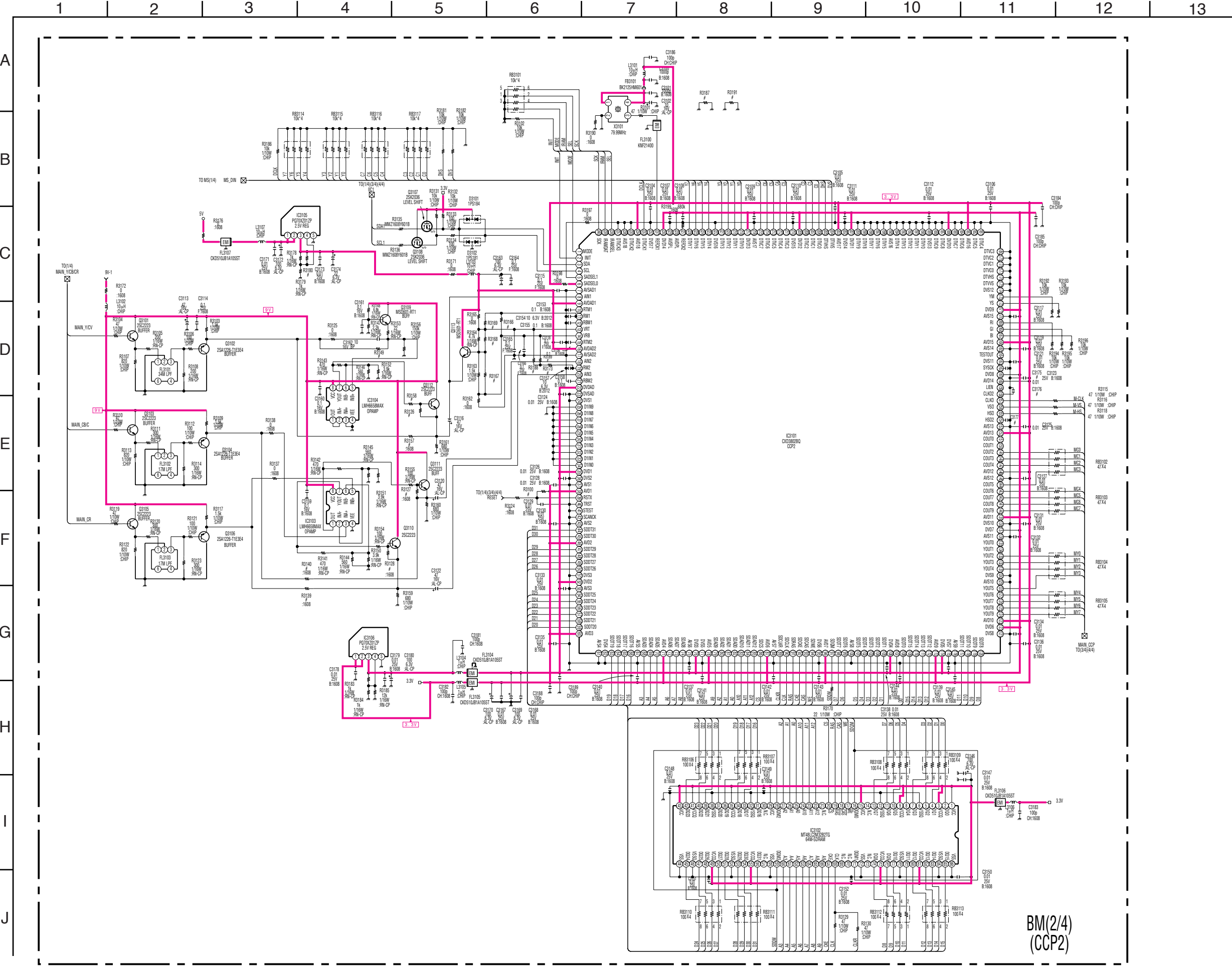
KV-HR29M91/HR34M91
RM-1007 RM-1007





BM (1/4)
(LVDS)

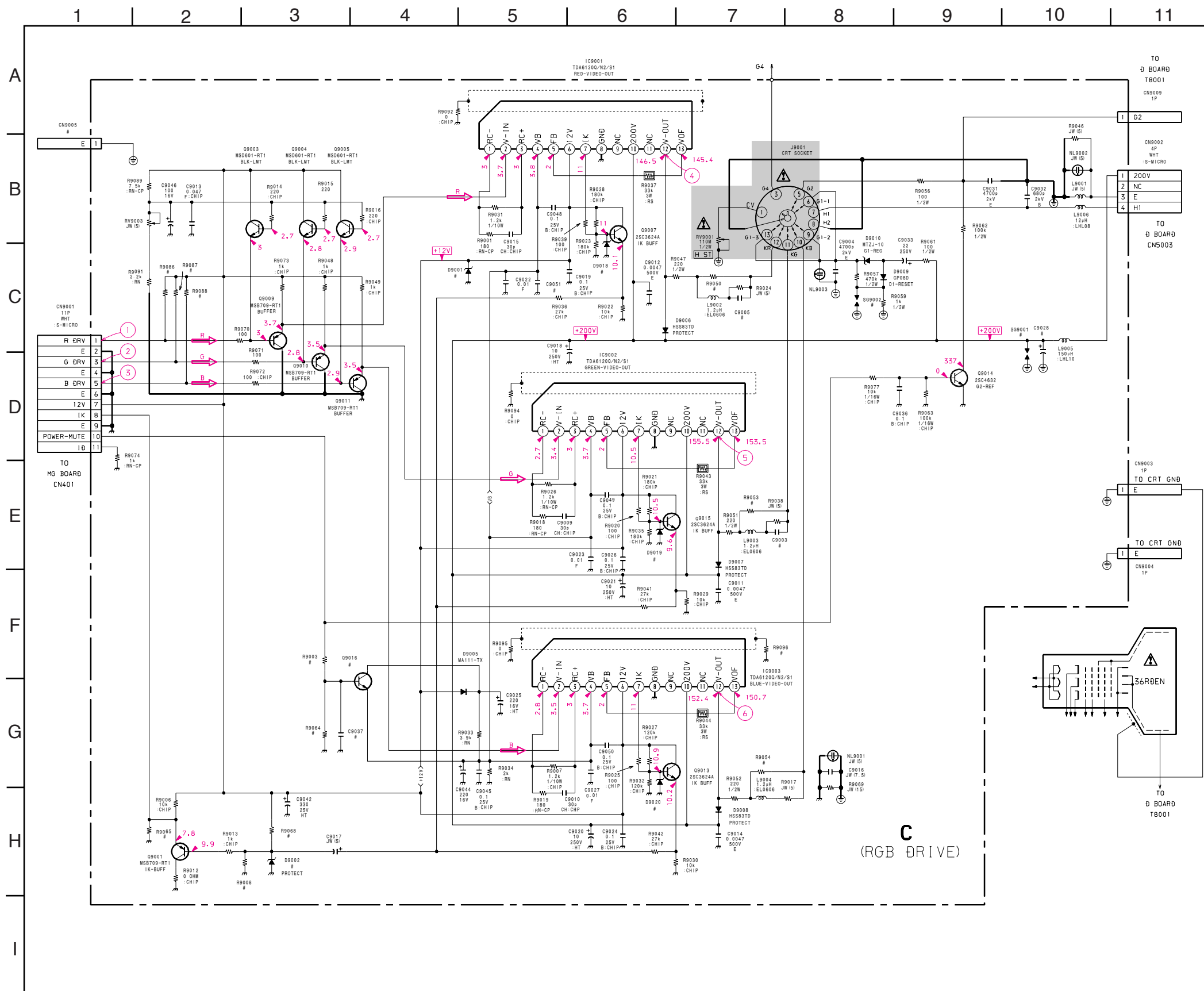
B-SS11588<J...>-BM.-P1

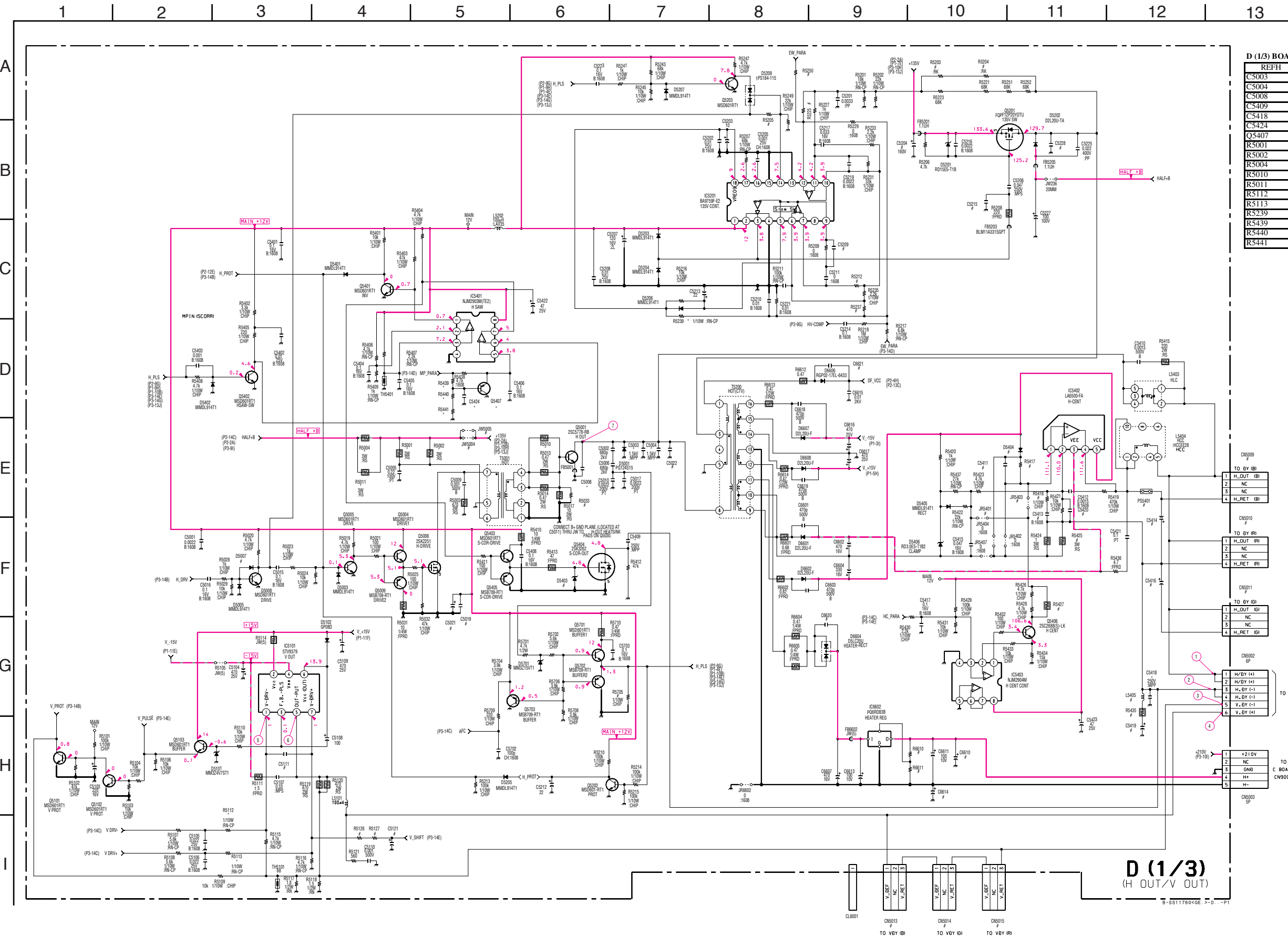


BM(2/4)
(CCP2)









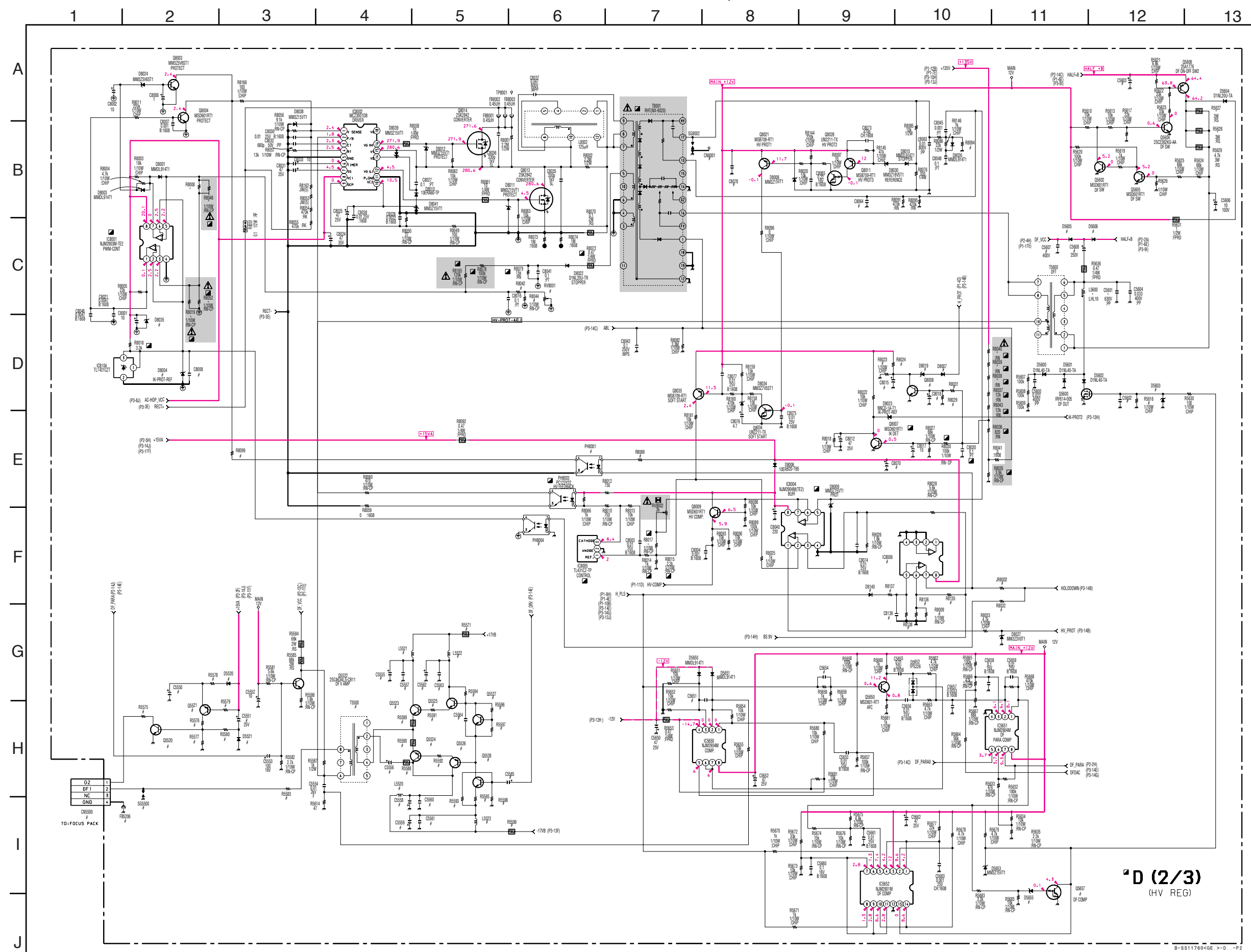
D (1/3) BOARD * MARKED PARTS LIST

REFH	R29M91	HR34M91
C5003	4700p 1.5KV	9100p 1.5KV
C5004	5100p 1.5KV	9100p 1.5KV
C5008	-	470p 2KV
C5409	0.27uF 250V	0.56uF 250V
C5418	0.33uF 250V	0.47uF 400V
C5424	1uF 6.3V	-
Q5407	MSB709-RT1	-
R5001	1.5K	390
R5002	1.5K	390
R5004	-	390
R5010	-	0.47
R5011	-	390
R5112	4.7K	3.3K
R5113	4.7K	3.3K
R5239	100K	-
R5439	33K	-
R5440	390K	-
R5441	68K	-

D (1/3)
(H OUT/V OUT)

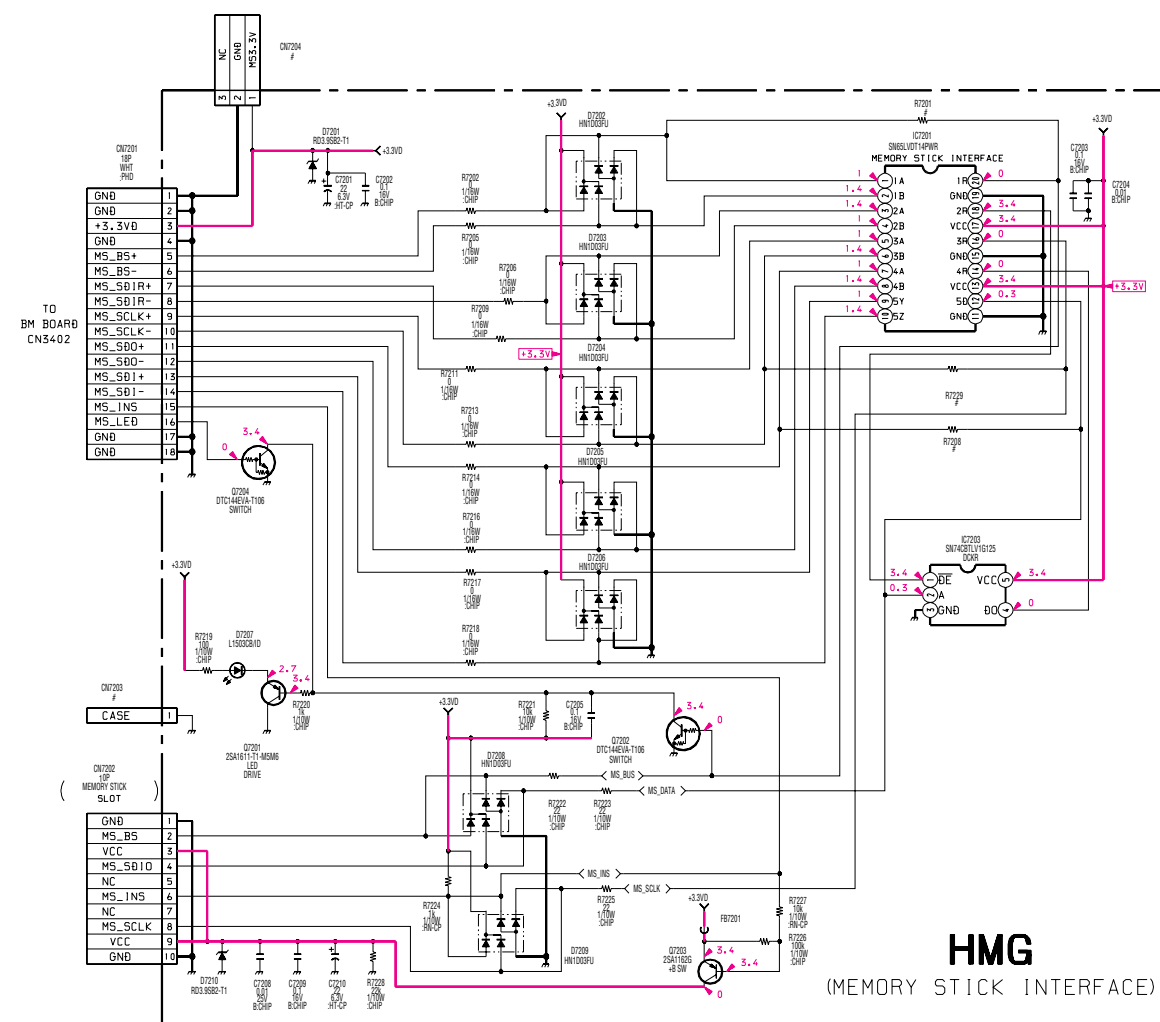
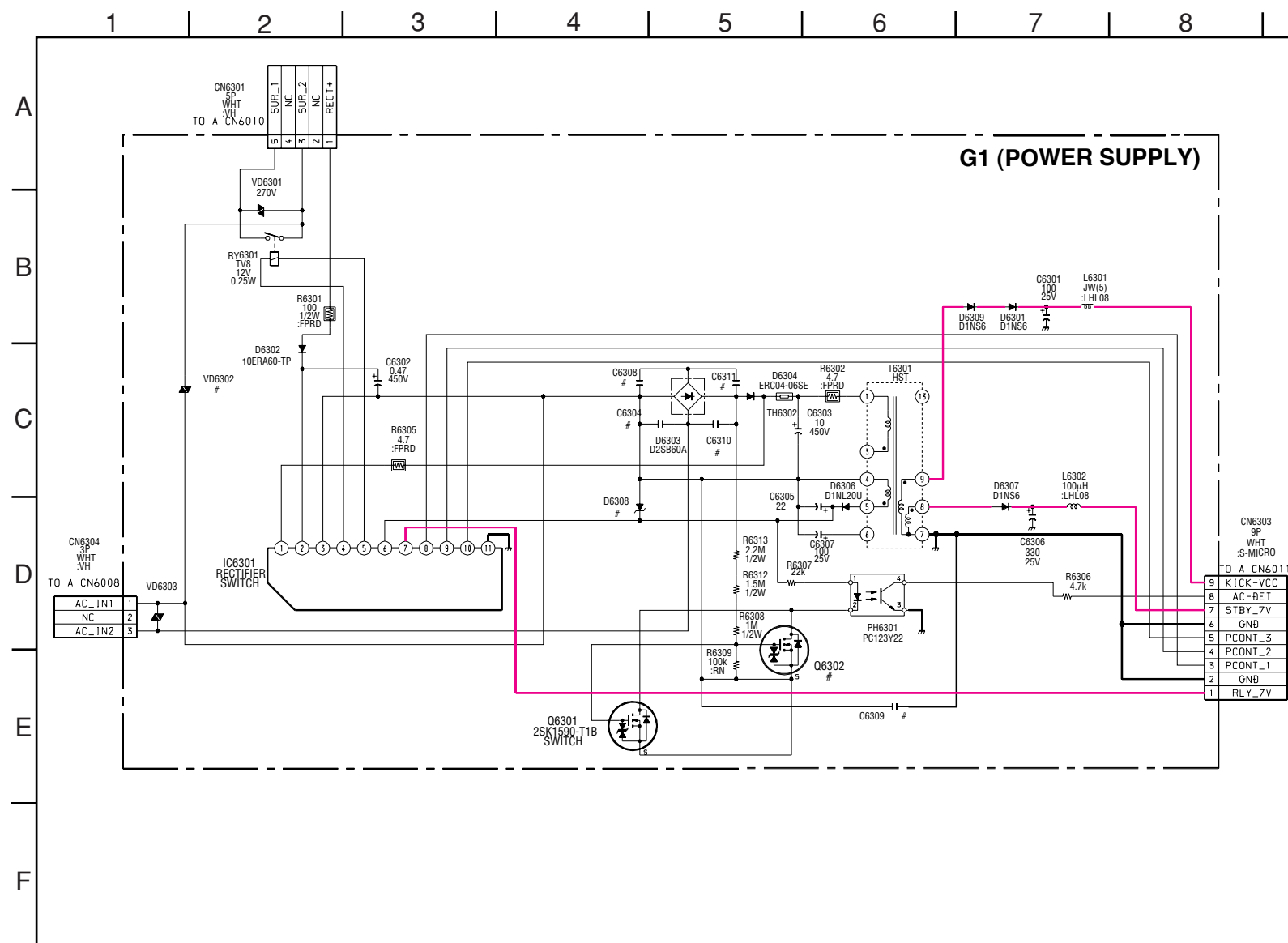
D (2/3) BOARD * MARKED PARTS LIST

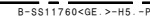
REF	HR29M91	HR34M91
C5601	0.0022uF 630V	0.001uF 630V
L5600	220uH	330uH
R5626	68K	100K
R5627	3.9K	4.7K
R5628	3.9K	4.7K
R8008	18K	
R8017	2.7K	3.3K
R8019	15K	22K
R8038	15K	12K
R8039	15K	12K
R8040	3K	4.7K
R8046	2.2K	1.6K
R8052	82K	22K



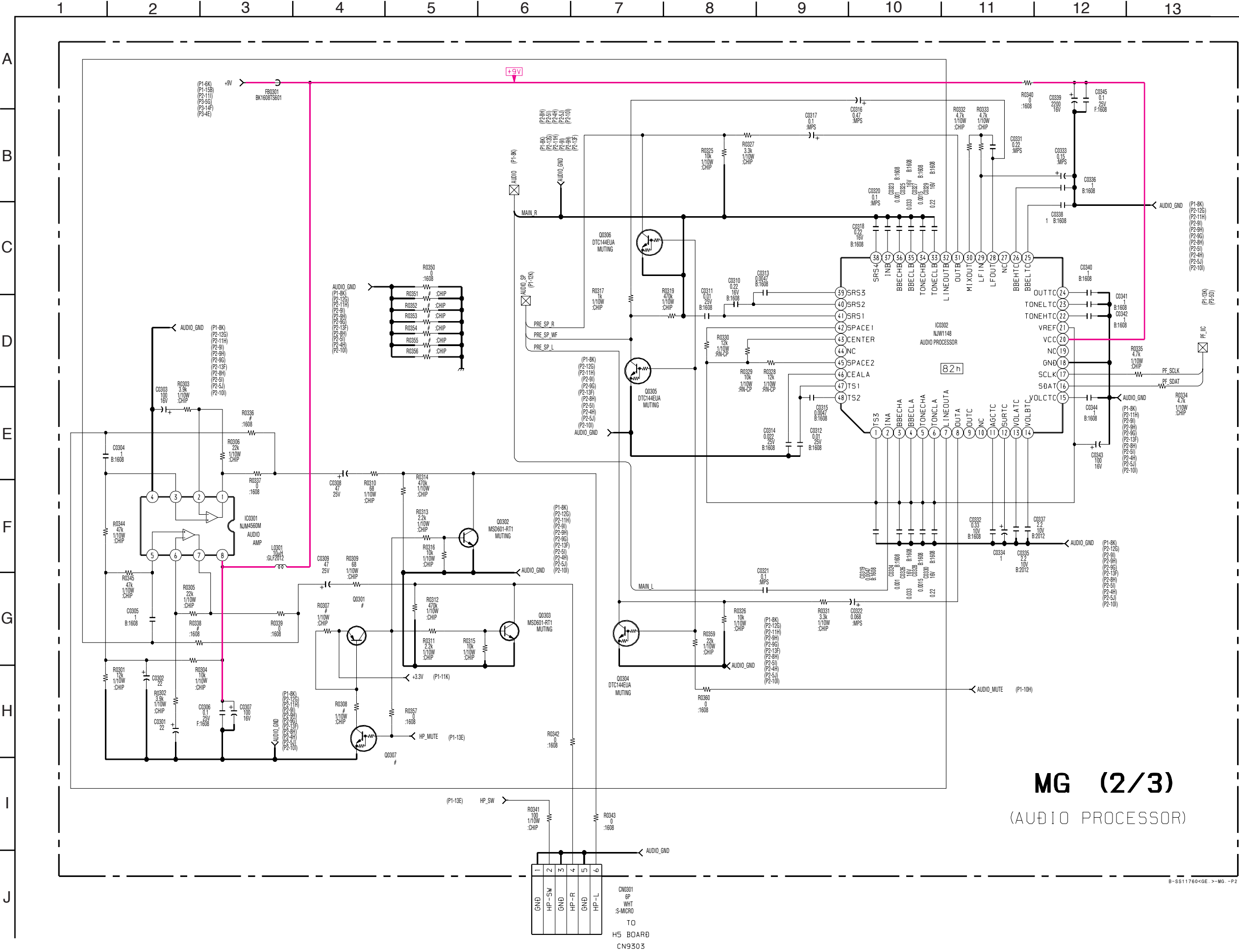
D (2/3)
(HV REG)





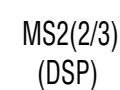








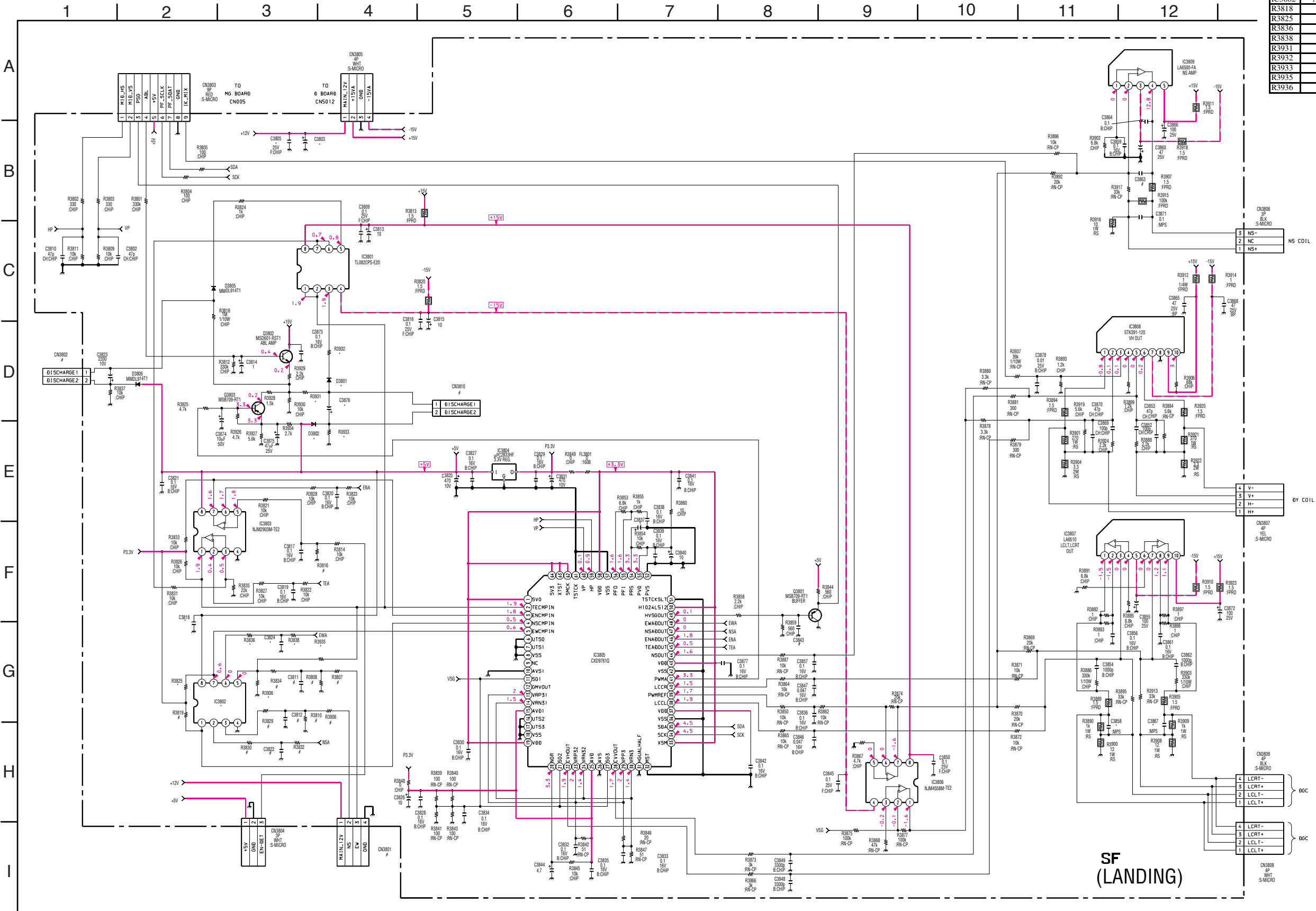


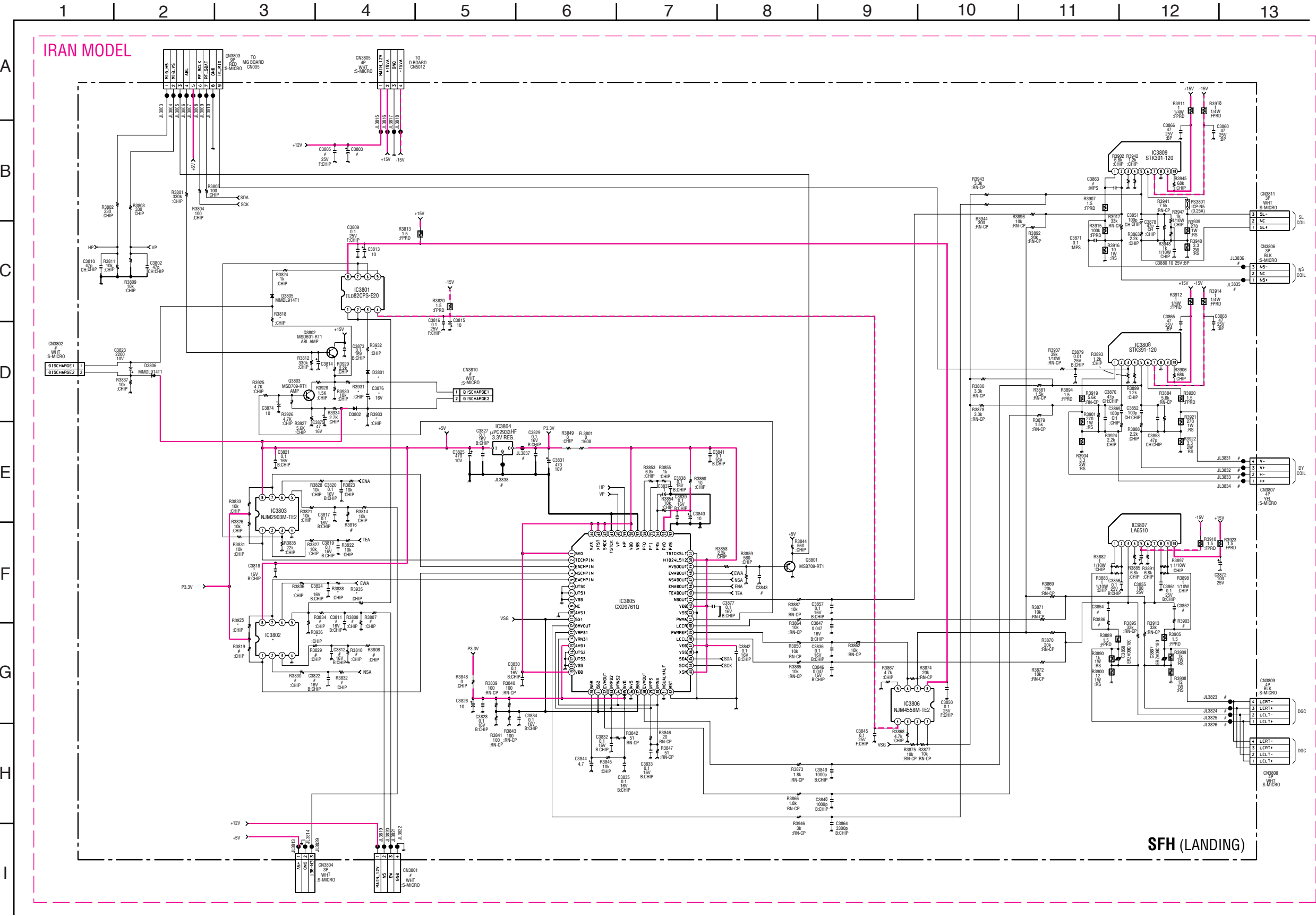




SF BOARD * MARKED PARTS LIST

REF	HR29M91	HR34M91
C3803	-	10uF 50V
C3805	-	0.1uF 25V
C3818	0.1uF 16V	-
C3824	0.1uF 16V	-
C3876	220uF 16V	-
C3878	0.01uF 25V	0.01uF 25V
D3801	MMDL914T7	-
D3802	MMDL914T7	-
IC3802	NJM2903M-TE2	-
R3818	1M	330K
R3825	10K	-
R3836	10K	-
R3838	10K	-
R3931	330K	-
R3932	1K	-
R3933	10K	-
R3935	10K	-
R3936	22K	-

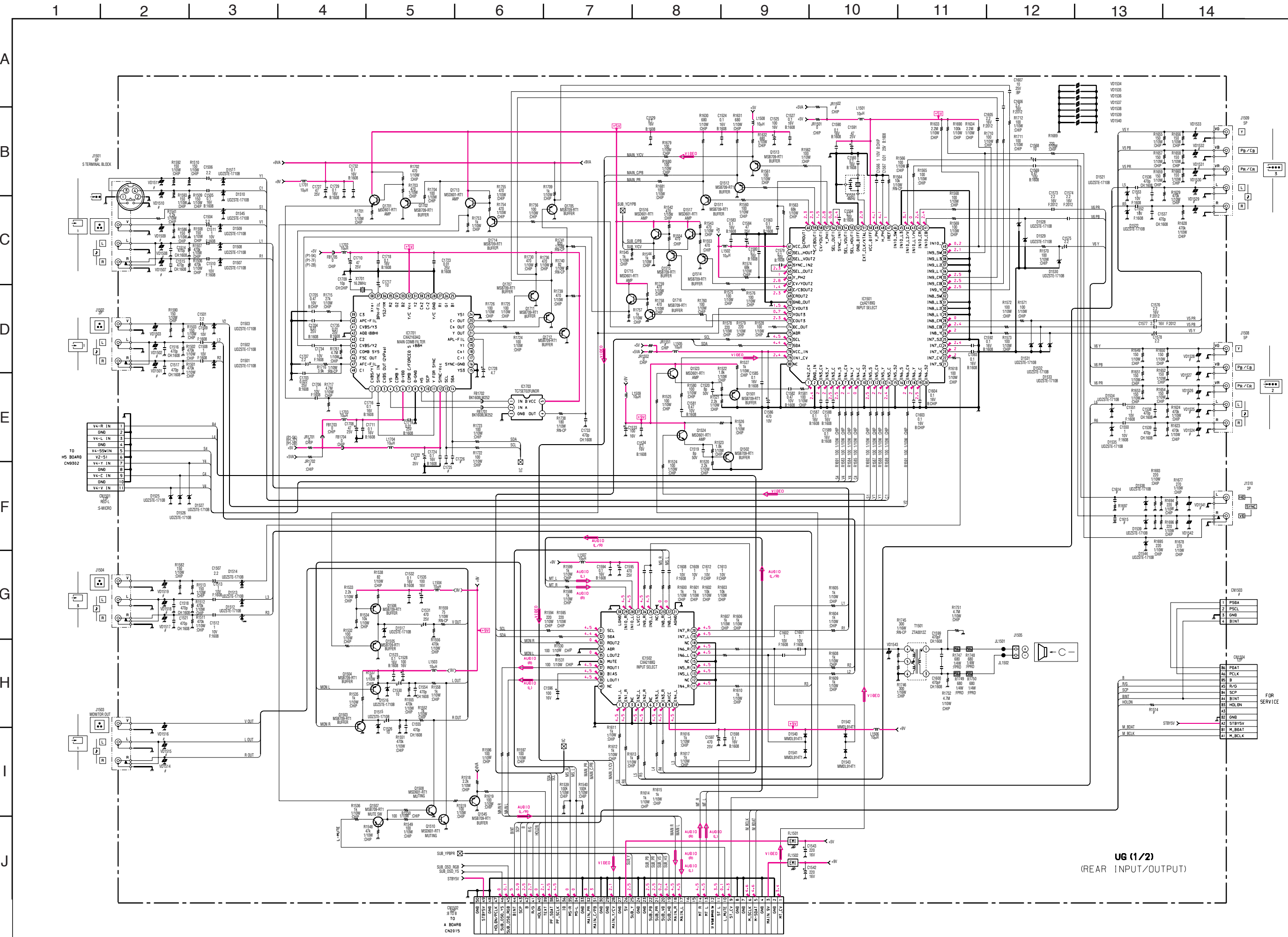


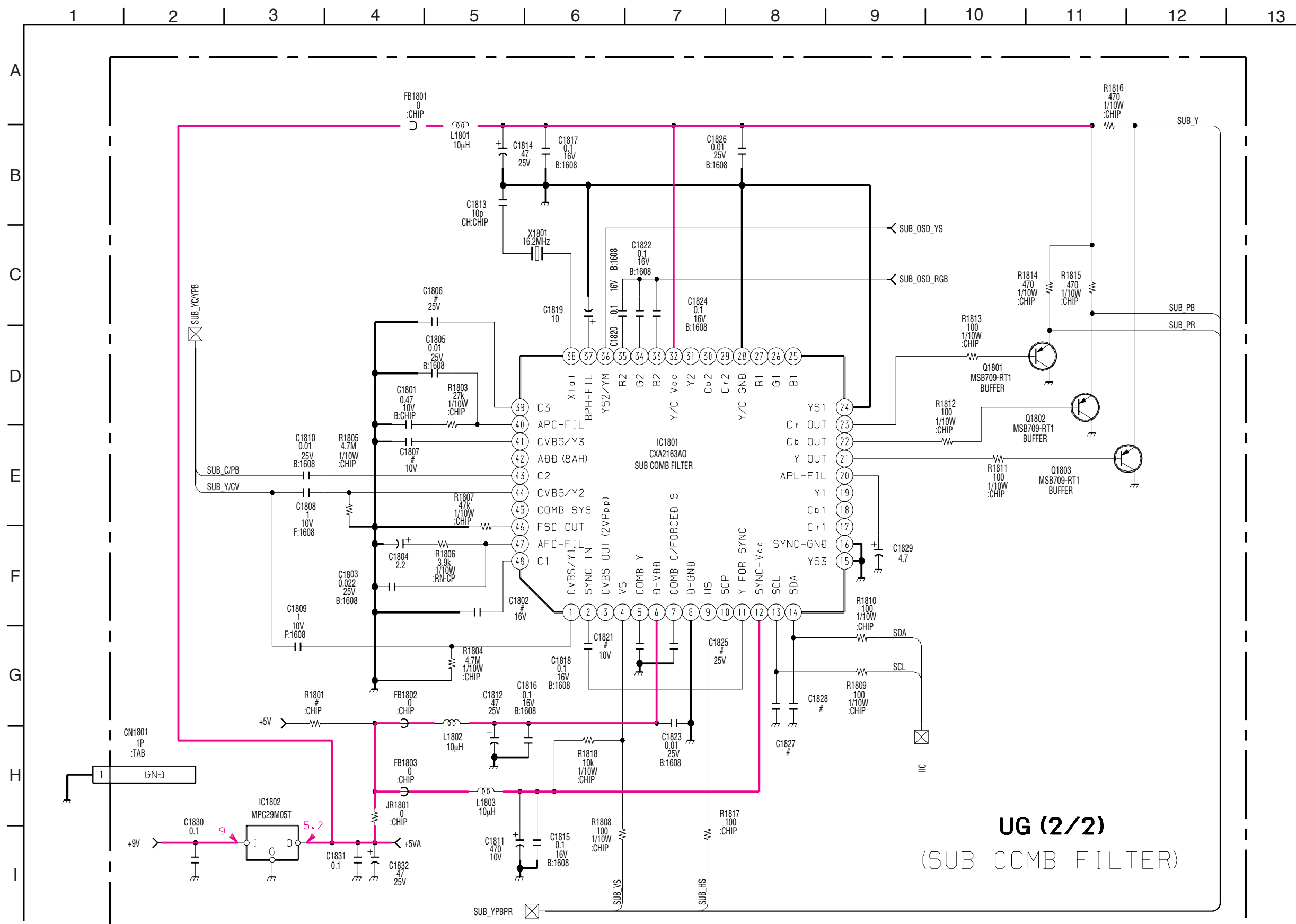


SFH BOARD * MARKED PARTS LIST

REF	HR29M91	HR34M91
C3818	0.1uF 16V	-
C3824	0.1uF 16V	-
C3876	220uF 16V	-
C3878	0.01uF 25V	0.01uF 25V
IC3802	NJM2903M-TE2	-
R3818	1M	330K
R3825	10K	-
R3836	10K	-
R3838	10K	-
R3931	330K	-
R3932	1K	-
R3933	10K	-
R3935	10K	-
R3936	22K	-







UG (2/2)
(SUB COMB FILTER)



REF	HR29M91	HR34M91
R9132	6.8K	5.6K
R9198	560	1K