AG-980 EXPLODE

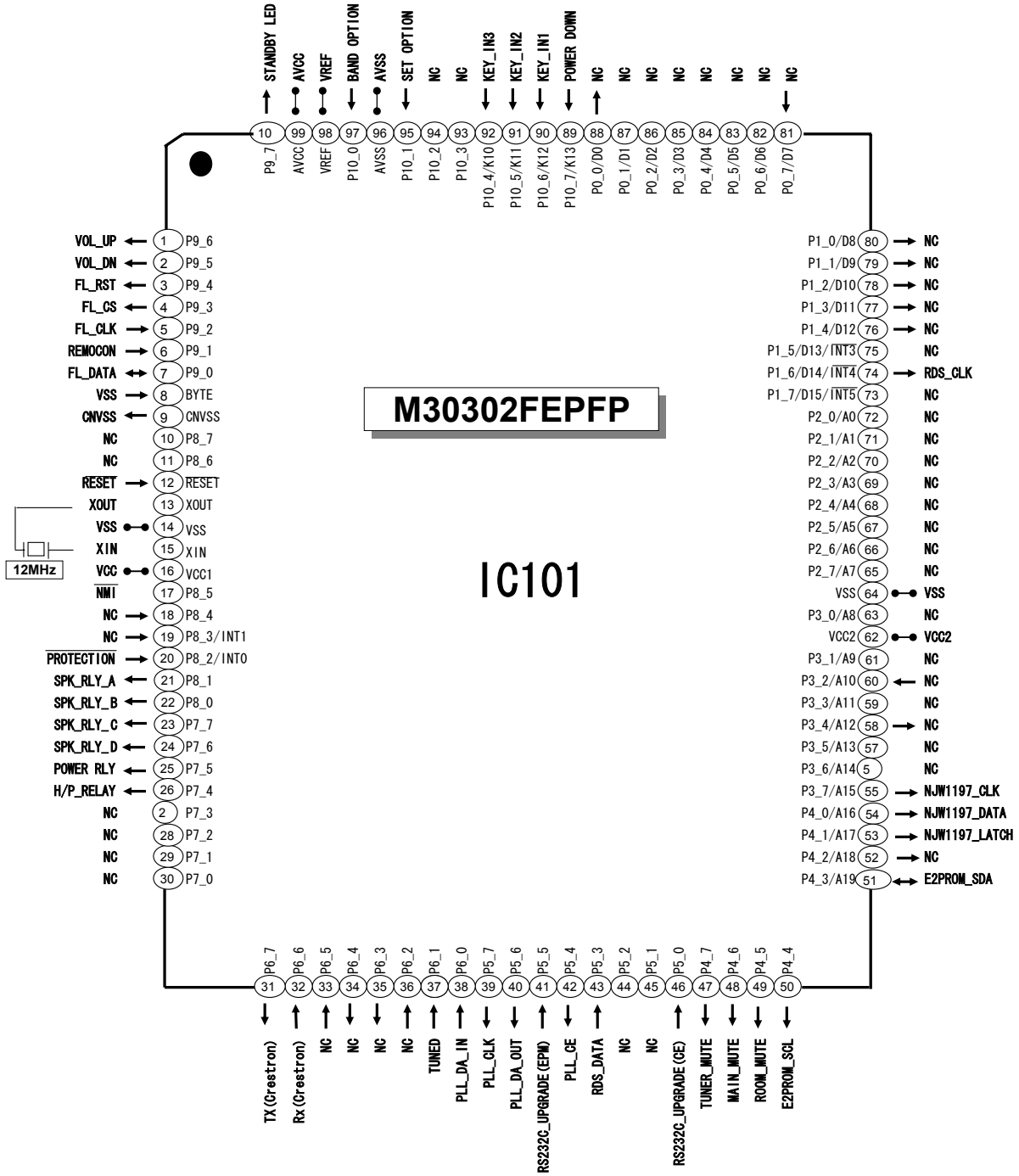
MODEL NAME : AG-980 — PART LIST

NO	PART NAME	PART NO (EURY)	Q'TY	REMARKS
1	WINDOW DISPLAY (ACRYL WINE)	5077212093070S	1	
2	KNOB VOLUME	5087211131010S	1	
3	PANEL FRONT	3067212081420S	1	
4	BTN POWER	5097212681100S	1	
5	BTN 3-KEY	5097212651000S	1	
6	BUTTON 4-KEY	5097212661000S	1	
7	BTN 6-KEY	5097212671000S	1	
8	INDICATOR	5160040643010S	4	
9	JACK D6.5	G402PJ619A01YS	1	
10	S/W POWER PUSH	G000122006060S	1	
11	GUIDE FLT	432004078101AS	1	
12	FL DISPLAY	K5301213000105	1	
13	VOL, ENCODER	G1211230700105	1	
14	PCB FRONT	G4020401613305	1	
15	FOOT PL (H.S)	4007040201040S	2	
16	HEAT SINK POWER	2120210538000S	1	
17	BRACKET (SINK)	4010056906010S	5	
18	CHASSIS MAIN	3200200026020S	1	
19	SPACER	4300405610105	6	
20	FOOT PL (H.S)	4000040201010S	2	
21	TER, RCA 2PIN	G601207AEG02YS	1	
22	TER, RCA 6PIN	G603603BG105YS	2	
23	TER, BOARD SCREW 8P	G614801A0200YS	2	
24	TOP CABINET	3007041236000S	1	
25	BACK CHASSIS	3207212116200S	1	
26	TRANS	8200858680140S	1	
27	STOPPER	4380040182010S	1	
28	BUSHING	2410040353010S	1	
29	CORD ASSY	L068250250040S	1	
S1	SCREW (+2S 3*10 DOT BK)	B020030103B11S	20	
S2	SCREW (+2S 3*8 ZNY/BH)	B020030081B10S	21	
S3	SCREW (+2S 3*18 ZNY/BH)	B020030181B10S	6	
S4	SCREW (+3S 4*10 ZNY/BH)	B028940101B10S	4	
S5	SCREW (+2S 3*16 ZNY/HH)	1507041146010S	12	
S6	SCREW (+2S 4*8 BK,NI/HB)	1500040083B10S	4	
S7	SCREW (+2S 3*10 ZNY/BH)	1500001456010S	3	

AMEND	DATE	ECO NO.		CONTENT	DESIGN	CHECK
			1			
			2			
			3			

AG-980							
NO	CODE NO.	MATERIAL	TREATMENT	Q'TY	MODEL	REMARK	
DRAWN	DESIGN	CHECK	APPRO	DATE	2007.2.25	NAME	EXPLODE VIEW
한 지 순				TOL			
				SCALE	N / S	DWG.NO	
				UNIT	mm		

AG980B MICOM CONTROL PIN DEFINE



MODEL : AG980 M30302FEPFP u-COM PORT Design

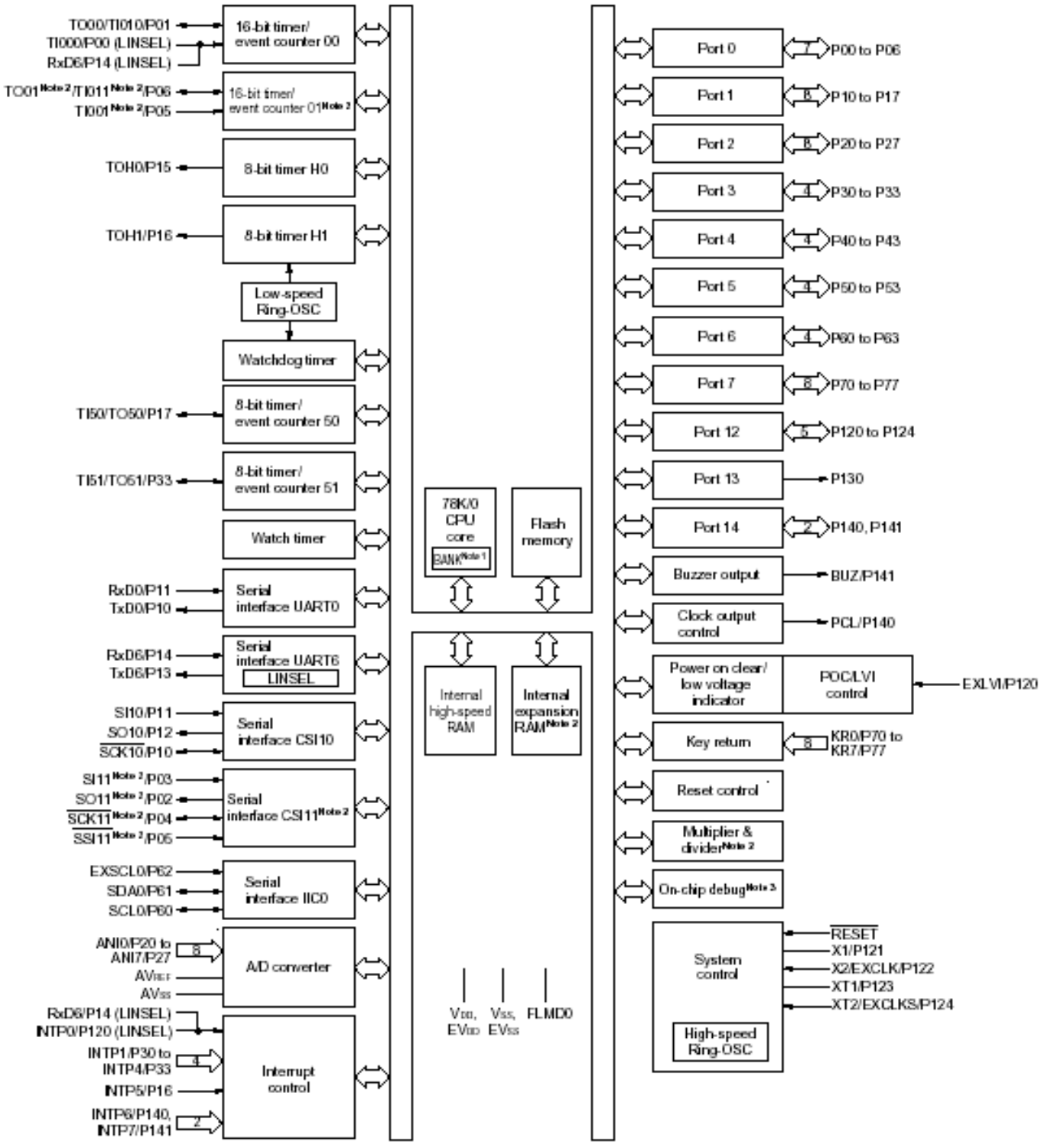
PIN NO.	NAME	I/O	B'D
1	VOL_UP	I	Input for main volume up.
2	VOL_DN	I	Input for main volume down.
3	FL_RST	O	Reset signal output to SC16315
4	FL_CS	O	Chip enable signal output to SC16315
5	FL_CLK	O	Clock signal output to SC16315
6	REMOCON	I	Input fot the Remocon data
7	FL_DATA	O	Data signal output to SC16315
8	VSS		Ground
9	CNVSS		Flash memory programing mode setting
10	NC		Not used!
11	NC		Not used!
12	RESET	I	Input for resetting the CPU
13	XOUT		Output for 12MHz crystal oscillator
14	VSS		Ground
15	XIN		input for 12MHz crystal oscillator
16	VCC		+3.3V power supply
17	NMI		CPU internal operating for Port
18	NC		Not used!
19	NC		Not used!
20	PROTECTION	I	Input for protect data
21	SPK_RLY_A	O	Output for Relay control data
22	SPK_RLY_B	O	Output for Relay control data
23	SPK_RLY_C	O	Output for Relay control data
24	SPK_RLY_D	O	Output for Relay control data
25	POWER RLY	O	Output for Relay control data
26	H/P_RELAY	O	Output for Relay control data
27	NC	O	Not used!
28	NC		Not used!
29	NC		Not used!
30	NC		Not used!
31	TX(Crestron)	O	CPU upgrade data transmit
32	Rx(Crestron)	I	CPU upgrade data receiver
33	NC		Not used!
34	NC		Not used!
35	NC		Not used!
36	NC		Not used!
37	TUNED	I	Input for detecting "TUNED" condition.
38	PLL_DA_IN	I	Input for PLL data receiver
39	PLL_CLK	O	Clock signal output to tuner pack
40	PLL_DA_OUT	O	Output for PLL data receiver
41	RS232C_UPGRADE(EPM)	I	Flash memory programing mode setting
42	PLL_CE	I	Chip enable signal output to tuner pack
43	RDS_DATA	I	Radio data signal input from tuner pack
44	NC		
45	NC		
46	RS232C_UPGRADE(CE)	I	Chip select for CPU upgrade
47	TUNER_MUTE	O	Data signal output to tuner mute
48	MAIN_MUTE	O	Data signal output to main mute
49	ROOM_MUTE	O	Data signal output to room2 mute
50	E2PROM_SCL	O	Clock signal output for E2PROM
51	E2PROM_SDA	I/O	Data signal output for E2PROM
52	NC		Not used!
53	NJW1197_LATCH	O	Chip select data for NJW1197
54	NJW1197_DATA	O	Commnuication data for NJW1197
55	NJW1197_CLK	O	Clock signal for NJW1197
56	NC		Not used!
57	NC		Not used!
58	NC		Not used!
59	NC		Not used!
60	NC		Not used!
61	NC		Not used!
62	VCC2		+3.3V Power supply
63	NC		Not used!
64	VSS		Not used!
65	NC		Not used!
66	NC		Not used!
67	NC		Not used!

PIN NO.	NAME		B'D
68	NC		Not used!
69	NC		Not used!
70	NC		Not used!
71	NC		Not used!
72	NC		Not used!
73	NC		Not used!
74	RDS_CLK	O	Clock signal for tuner RDS
75	NC		Not used!
76	NC		Not used!
77	NC		Not used!
78	NC		Not used!
79	NC		Not used!
80	NC		Not used!
81	NC		Not used!
82	NC		Not used!
83	NC		Not used!
84	NC		Not used!
85	NC		Not used!
86	NC		Not used!
87	NC		Not used!
88	NC		Not used!
89	POWER DOWN	I	Input for power down
90	KEY_IN1	I	Data input for key scan
91	KEY_IN2	I	Data input for key scan
92	KEY_IN3	I	Data input for key scan
93	NC		Not used!
94	NC		Not used!
95	SET OPTION	I	Input for select set
96	AVSS		Ground
97	BAND OPTION	I	Input for select the frequency ranges steps of FM and AM
98	VREF		+3.3V power supply
99	AVCC		+3.3V power supply
100	STANDBY LED	O	Output signal for LED

Key Matrix Table

IN / OUT	KEY1	KEY2	KEY3
0.1V~0V	ON/STBY SW701	SP-B SW718	ROOM2 SW715
0.2V~0.5V	MEMORY SW703	SP-A SW719	
0.6V~0.8V	TUNING-UP SW705	T/P MODE SW702	
0.9V~1.2V	TUNING-DOWN SW707	TONE DIRECT SW704	
1.3V~1.5V	BAND SW709	DOWN SW706	
1.6V~1.8V	INPUT-LEFT SW711	UP SW708	
1.9V~2.1V	INPUT-RIGHT SW713	TONE SW710	
2.2V~2.4V		BALANCE SW712	

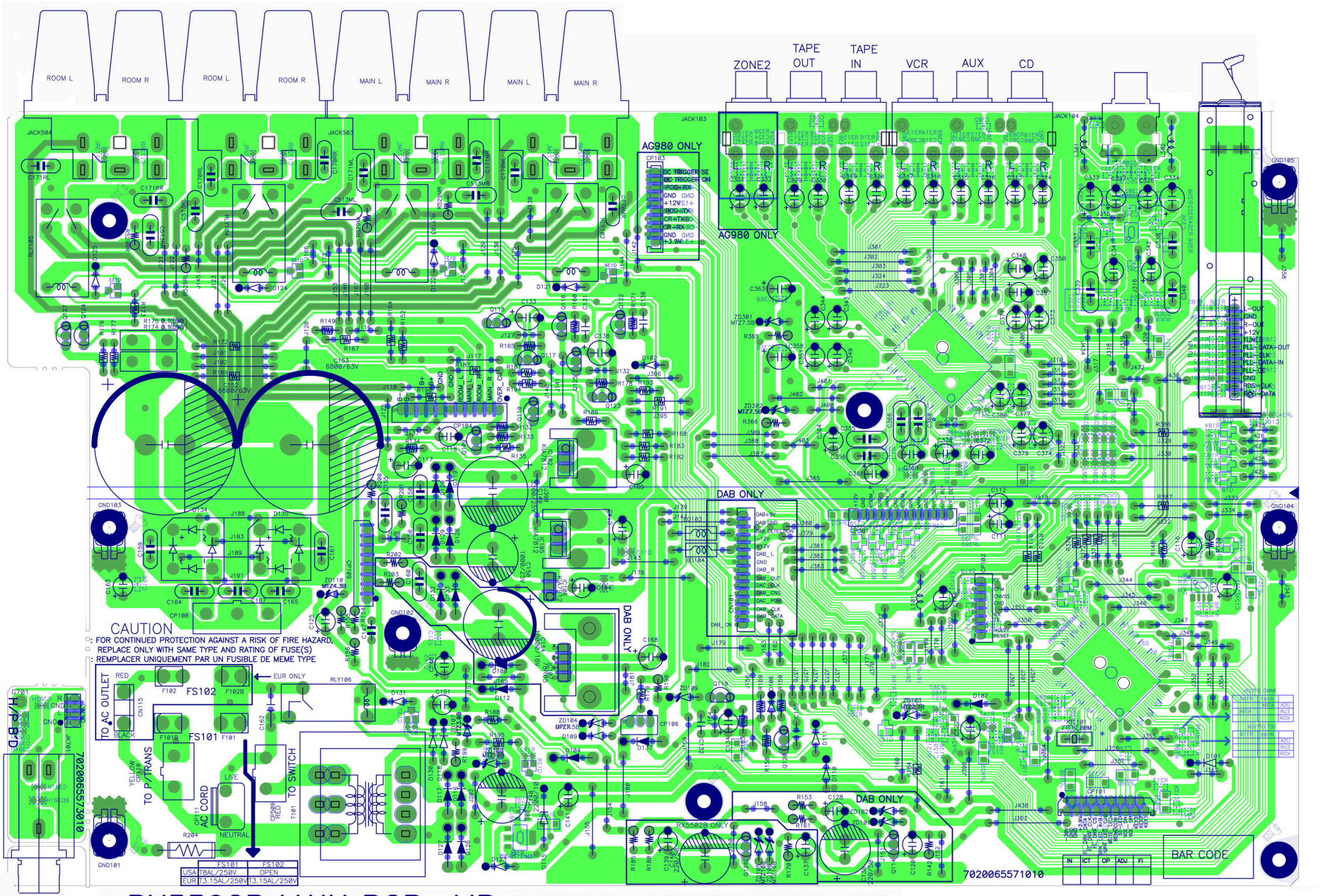
1.6 Block Diagram



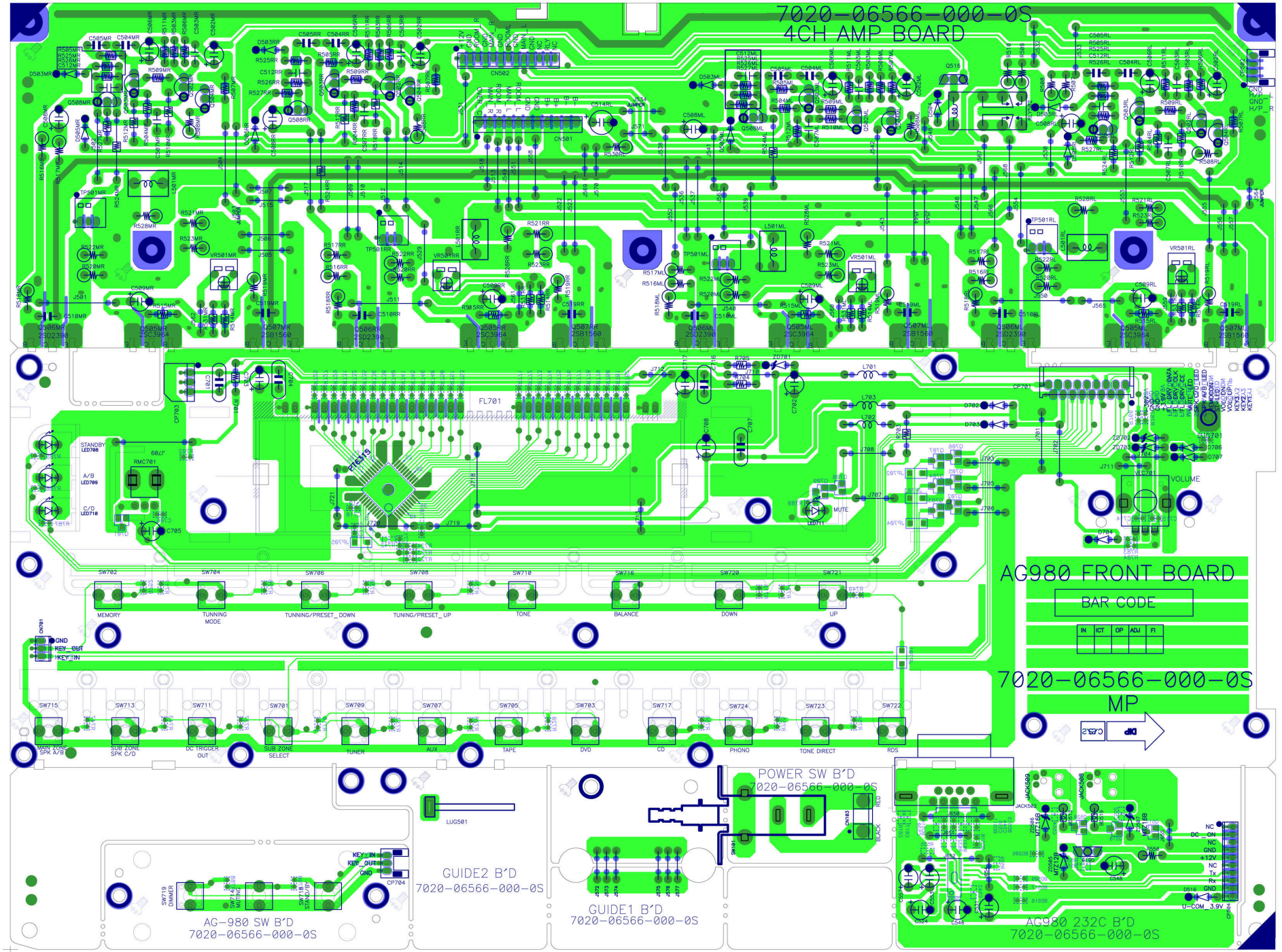
Notes 1. Available only in the μPD78F0536, 78F0537, and 78F0537D.

2. Available only in the μPD78F0534, 78F0535, 78F0536, 78F0537, and 78F0537D.

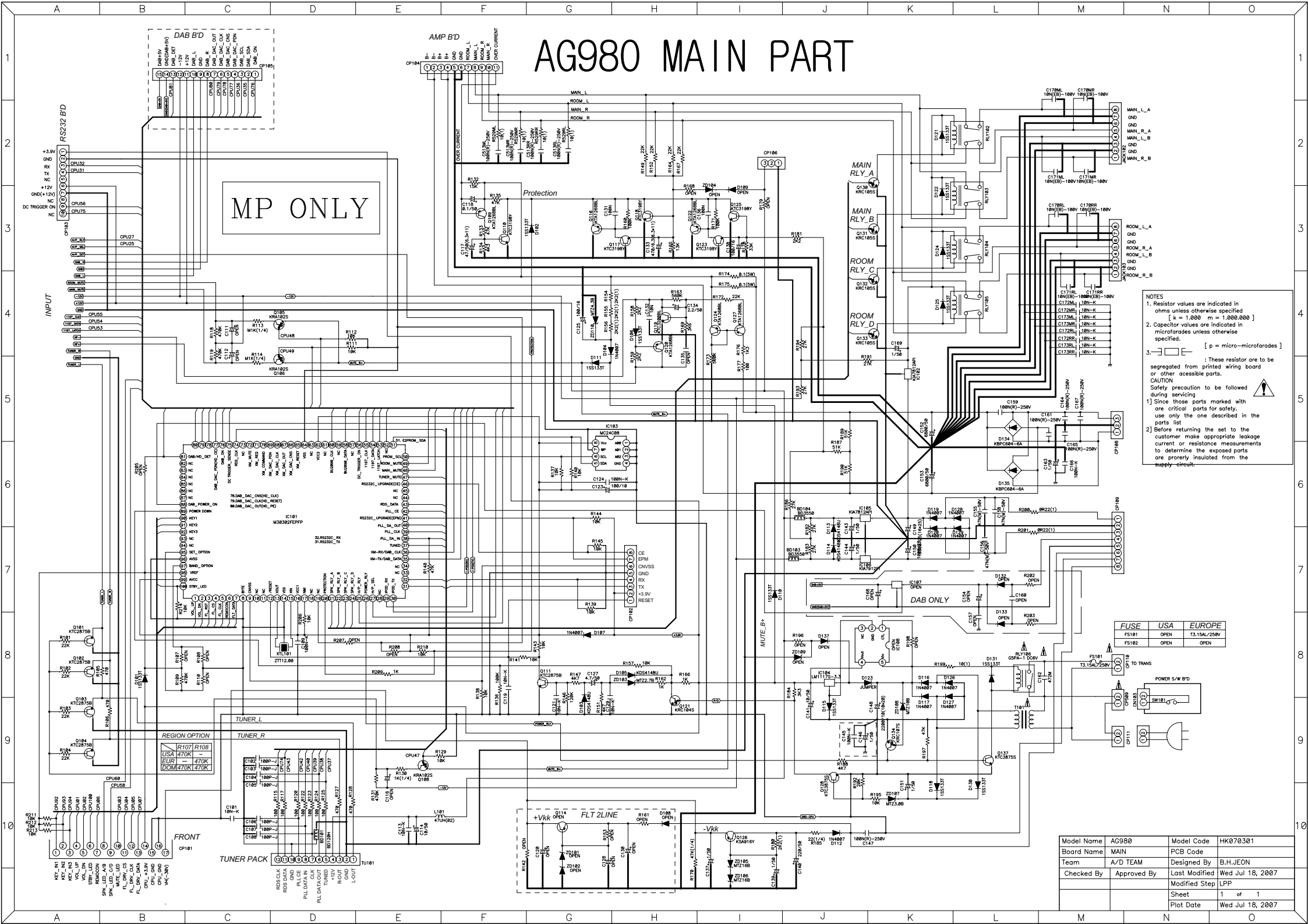
3. Available only in the μPD78F0537D.



RX5502B MAIN PCB_MP 7020-06557-000-0S


7020-06566-000-0S
4CH AMP BOARD
AG980 FRONT BOARD
BAR CODE
7020-06566-000-0S
MP
POWER SW B'D
7020-06566-000-0S
GUIDE2 B'D
7020-06566-000-0S
GUIDE1 B'D
7020-06566-000-0S
AG-980 SW B'D
7020-06566-000-0S
AG980 232C B'D
7020-06566-000-0S

AG980 MAIN PART



NOTES
1. Resistor values are indicated in ohms unless otherwise specified [k = 1,000 m = 1,000,000]
2. Capacitor values are indicated in microfarades unless otherwise specified. [p = micro-microfarades]
3. : These resistor are to be segregated from printed wiring board or other acessible parts.

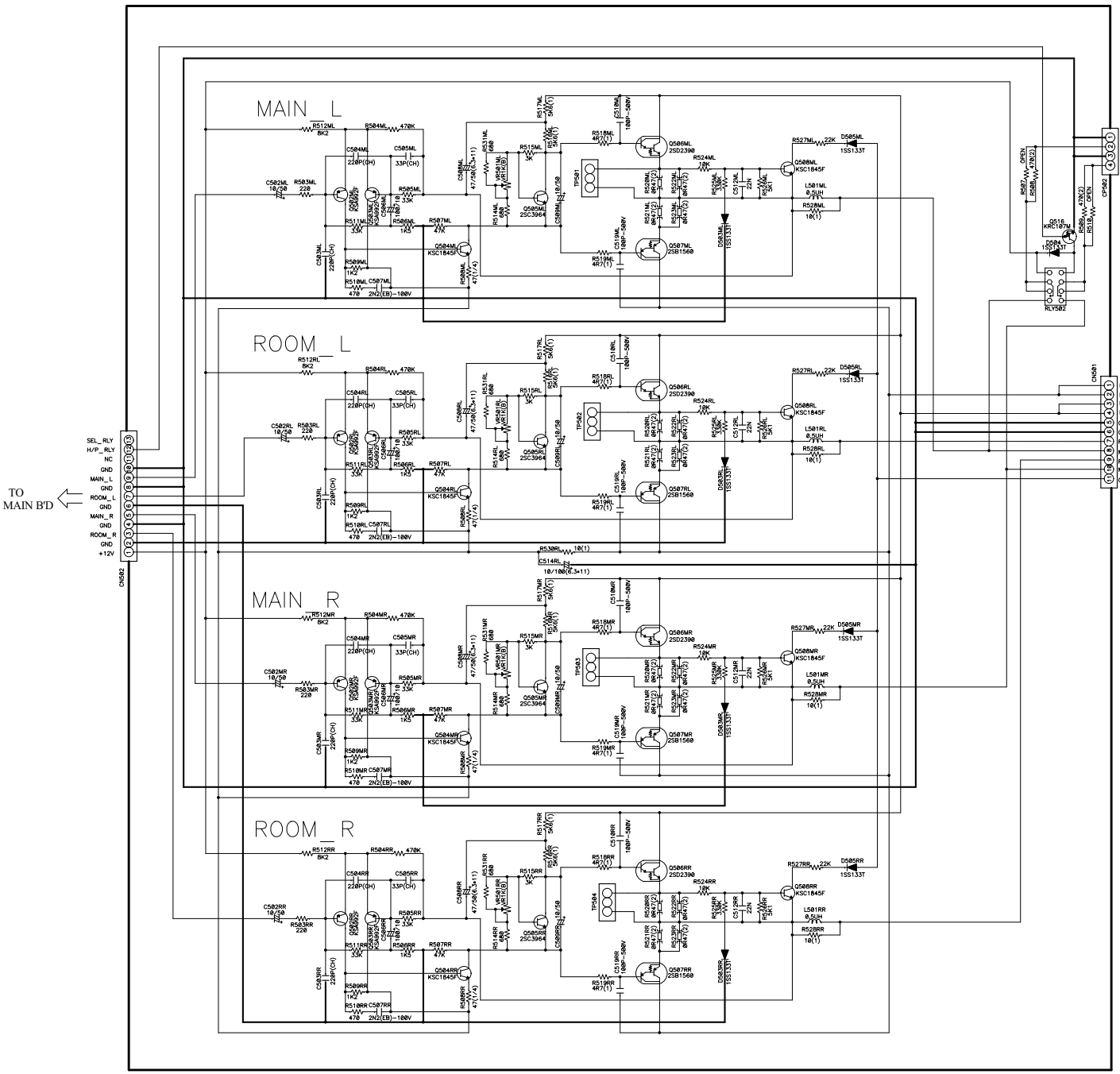
CAUTION
Safety precaution to be followed during servicing
1] Since those parts marked with are critical parts for safety, use only the one described in the parts list
2] Before returning the set to the customer make appropriate leakage current or resistance measurements to determine the exposed parts are prorerly insulated from the supply circuit.

FUSE	USA	EUROPE
FS101	OPEN	T3.15AL/250V
FS102	OPEN	OPEN

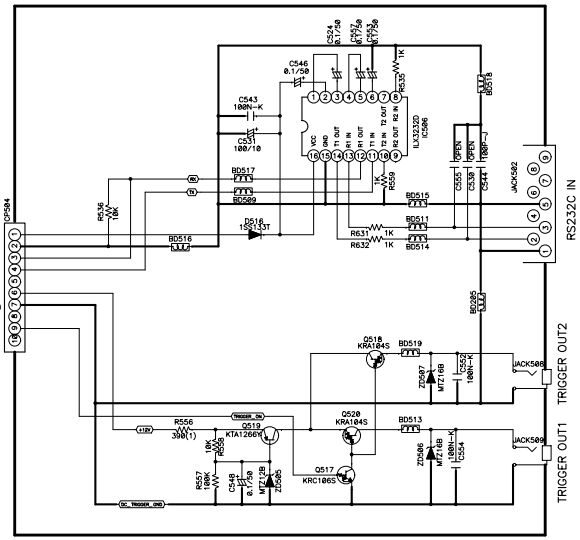
REGION OPTION	R107	R108
USA	470K	-
EUR	-	470K
DOM	470K	470K

Model Name	AG980	Model Code	HK070301
Board Name	MAIN	PCB Code	
Team	A/D TEAM	Designed By	B.H.JEON
Checked By	Approved By	Last Modified	Wed Jul 18, 2007
		Modified Step	LPP
		Sheet	1 of 1
		Plot Date	Wed Jul 18, 2007

AG980 AMP PART



RS232 PART

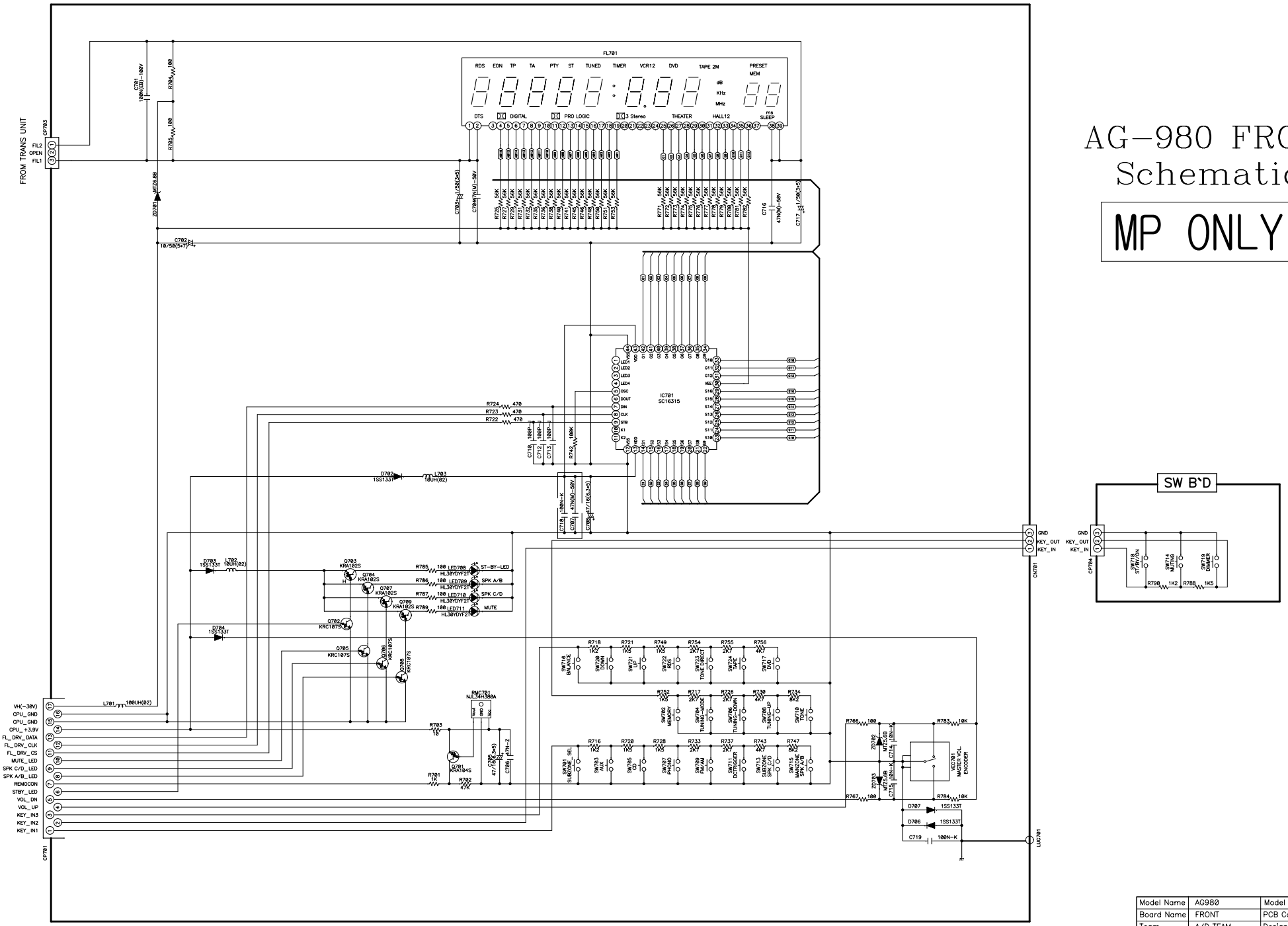


MP ONLY

Model Name	AG980	Model Code	HK070301
Board Name	MAIN AMP	PCB Code	
Team	A/D TEAM	Designed By	B.H.JEON
Checked By	Approved By	Last Modified	Fri Jul 20, 2007
		Modified Step	LPP
		Sheet	1 of 1
		Plot Date	Fri Jul 20, 2007

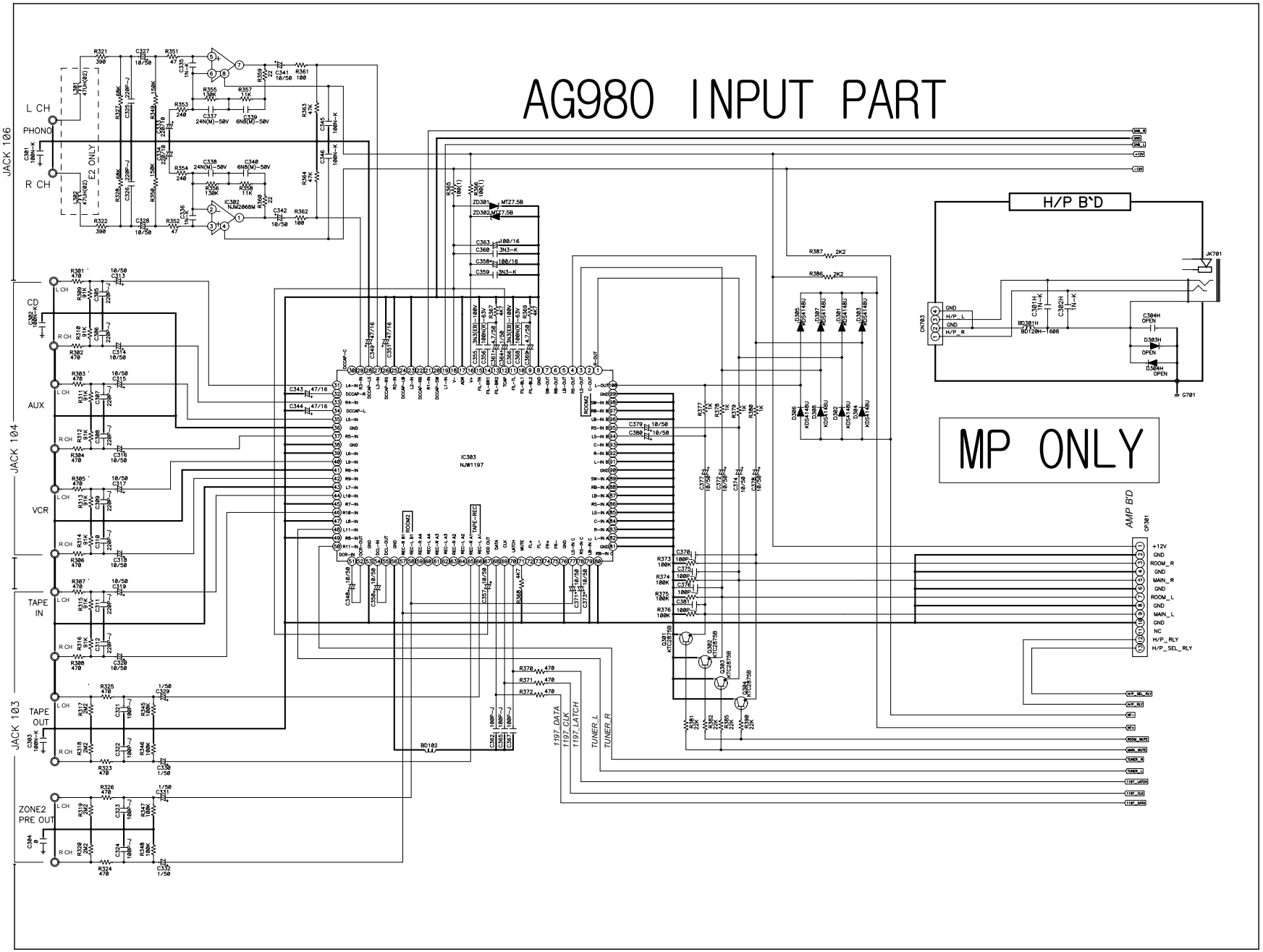
AG-980 FRONT Schematic

MP ONLY



Model Name	AG980	Model Code	HK070301
Board Name	FRONT	PCB CODE	{PCB CODE}
Team	A/D TEAM	Designed By	B.H.JEON
Drawing No.	{Drawing Number}	Last Modified	Wed Jul 18, 2007
Checked By	Approved By	Modified Step	LPP
		Sheet	1 of 1
		Plot Date	Wed Jul 18, 2007

AG980 INPUT PART



Model Name	AG980	Model Code	HK070301
Board Name	MAIN INPUT	PCB Code	
Team	A/D TEAM	Designed By	B.H.JEON
Checked By	Approved By	Last Modified	Mon Jul 09, 2007
		Modified Step	LPP
		Sheet	1 of 1
		Plot Date	Wed Jul 18, 2007