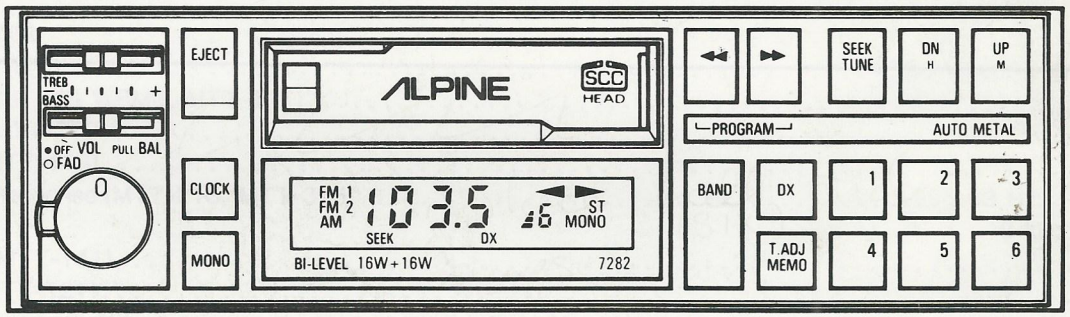
ALPINE SERVICE MANUAL

Digital Tuner
Cassette



For the cassette deck mechanism parts of this model,refer to the GT Series (GT75B01A) Service Manual (68P92539F01)

7282/7282E/L

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Specifications (Model 7282)

FM RADIO

Intermediate Frequency	10.7 ± 0.1 MHz
Frequency Range	87.9 ~ 107.9 MHz
Usable Sensitivity (Stereo, 98.1 MHz)	17.2 dBf
S/N Ratio (Stereo, 98.1 MHz)	56 dB
Image Rejection (at 106.1 MHz)	40 dB
IF Rejection (at 90.1 MHz)	60 dB
Distortion (at 1W output power, 400 Hz, 22.5 kHz dev.)	1%
Frequency Response	100 Hz: 0 ± 3 dB
	10 kHz: − 14 ± 3 dB
Stereo Separation (at 98.1 MHz, 1,000 Hz)	25 dB

AM RADIO

Intermediate Frequency	450 kHz
Frequency Range	530 ~ 1,620 kHz
Sensitivity 20 dB S/N (at 1,000 Hz)	45.2 dBf
S/N Ratio (at 5mV input)	50 dB
Image Rejection (at 1,400 kHz)	50 dB
IF Rejection (at 610 kHz)	70 dB
Distortion (at 1W output power, 30% mod 5mV input)	0.5%
Frequency Response	100 Hz: − 3 ± 3 dB
	4 kHz: − 15 ± 5 dB

TAPE PLAYER

Tape Speed (MTT-111)	4.76cm/sec. + 3% to − 1%
Wow & Flutter (JIS WRMS, MTT-111)	0.25%
S/N Ratio (MTT-212N)	50 dB
Distortion (MTT-118)	2%
Frequency Response (MTT-216, MTT-316)	63 Hz: − 2 ± 3 dB
	8 kHz: 0 ± 3 dB
Separation (MTT-141)	30 dB
Crosstalk (MTT-121)	40 dB
FF & REW Time (C-60)	100 sec.

GENERAL

Power Supply	14 VDC
Output Power (10% T.H.D)	9 W/CH
Load Impedance	4 ohm
Pre Output Level / Impedance	1,200 mV / 10 kohm
Semiconductors	11 IC's, 24 Transistors, 40 Diode, 11 Zener Diodes, 3 LED's
Dimensions	Nose Dimensions : 171(W)×48(H)×15(D)mm
	Chassis Dimensions : 178(W)×50(H)×153(D)mm
Weight	1.6 kg

NOTE : Due to continuing product improvement, spcifications and design subject to change without notice.

Specifications (Model 7282E)

FM RADIO

Intermediate Frequency	10.7 ± 0.1 MHz
Frequency Range	8759 ~ 108 MHz
Usable Sensitivity (Stereo, 98.1 MHz)	18.2 dBf
S/N Ratio (Stereo, 98.1 MHz)	48 dB
Image Rejection (at 106.1 MHz)	40 dB
IF Rejection (at 90.1 MHz)	60 dB
Distortion (at 1W output power, 400 Hz, 50 kHz dev.)	1%
Frequency Response	100 Hz: 0 ± 3 dB 10 kHz: − 12 ± 3 dB
Stereo Separation (at 98.1 MHz, 1,000 Hz)	25 dB

AM RADIO

Intermediate Frequency	450 kHz ± 5 kHz
Frequency Range	531 ~ 1,602 kHz
Sensitivity 20 dB S/N (at 999k Hz)	46.2 dBf
S/N Ratio (at 5mV input)	45 dB
Image Rejection (at 1,404 kHz)	45 dB
IF Rejection (at 603 kHz)	60 dB
Distortion (at 1W output power, 30% mod 5mV input)	1%
Frequency Response	100 Hz: ± 3 ± 3 dB 4 kHz: − 15 ± 6 dB

TAPE PLAYER

Tape Speed (MTT-111)	4.76cm/sec. + 3% to − 1%
Wow & Flutter (JIS WRMS, MTT-111)	0.25%
S/N Ratio (MTT-212N)	50 dB
Distortion (MTT-118)	2%
Frequency Response (MTT-216, MTT-316)	63 Hz: − 4 dB 8 kHz: − 3 dB
Separation (MTT-141)	30 dB
Crosstalk (MTT-121)	45 dB
FF & REW Time (C-60)	100 sec.

GENERAL

Power Supply	14.4 VDC
Output Power (10% T.H.D)	9 W/CH
Load Impedance	4 ohm
Pre Output Level / Impedance	1,200 mV / 10 kohm
Semiconductors	11 IC's, 24 Transistors, 41 Diode, 11 Zener Diodes, 3 LED's
Dimensions	Nose Dimensions : 171(W)×48(H)×15(D)mm Chassis Dimensions : 178(W)×50(H)×153(D)mm
Weight	1.6 kg

NOTE : Due to continuing product improvement, spcifications and design subject to change without notice.

Specifications (Model 7282L)

FM RADIO

Intermediate Frequency	10.7 ± 0.1 MHz
Frequency Range	87.5 ~ 108 MHz
Usable Sensitivity (Stereo, 98.1 MHz)	18.2 dBf
S/N Ratio (Stereo, 98.1 MHz)	50 dB
Image Rejection (at 106.1 MHz)	40 dB
IF Rejection (at 90.1 MHz)	60 dB
Distortion (at 1W output power, 400 Hz, 37.5 kHz dev.)	1%
Frequency Response	100 Hz: 0 ± 3 dB
	10 kHz: − 12 ± 3 dB
Stereo Separation (at 98.1 MHz, 1,000 Hz)	25 dB

MW RADIO

Intermediate Frequency	459 ± 5 kHz
Frequency Range	531 ~ 1,602 kHz
Sensitivity 20 dB S/N (at 999 kHz)	45.2 dBf
S/N Ratio (at 5mV input)	45 dB
Image Rejection (at 1,404 kHz)	47 dB
IF Rejection (at 603 kHz)	60 dB
Distortion (at 1W output power, 30% mod 5mV input)	0.5%
Frequency Response	100 Hz: − 3 ± 3 dB
	4 kHz: − 15 ± 6 dB

LW RADIO

Intermediate Frequency	459 ± 5 kHz
Frequency Range	153 ~ 281 kHz
Sensitivity 20 dB S/N (at 218 kHz)	52.2 dBf
S/N Ratio (at 5mV input)	40 dB
Image Rejection (at 272 kHz)	40 dB
IF Rejection (at 218 kHz)	50 dB
Distortion (at 1W output power, 30% mod 5mV input)	1.5%
Frequency Response	100 Hz: − 3 ± 3 dB
	4 kHz: − 17 ± 6 dB

TAPE PLAYER

Tape Speed (MTT-111)	4.76cm/sec. + 3% to − 1%
Wow & Flutter (JIS WRMS, MTT-111)	0.25%
S/N Ratio (MTT-212N)	52 dB
Distortion (MTT-118)	2%
Frequency Response (MTT-216, MTT-316)	63 Hz: − 4 dB
	8 kHz: − 3 dB
Separation (MTT-141)	30 dB
Crosstalk (MTT-121)	45 dB
FF & REW Time (C-60)	100 sec.

GENERAL

Power Supply	14.4 VDC
Output Power (10% T.H.D)	9 W/CH
Load Impedance	4 ohm
Pre Output Level / Impedance	1,200 mV / 10 kohm
Semiconductors	11 IC's, 26 Transistors, 51 Diode, 10 Zener Diodes, 3 LED's
Dimensions	Nose Dimensions : 171(W)×48(H)×15(D)mm
	Chassis Dimensions : 178(W)×50(H)×153(D)mm
Weight	1.6 kg

NOTE : Due to continuing product improvement, spcifications and design subject to change without notice.

Parts Locations and Disassembly Instruction

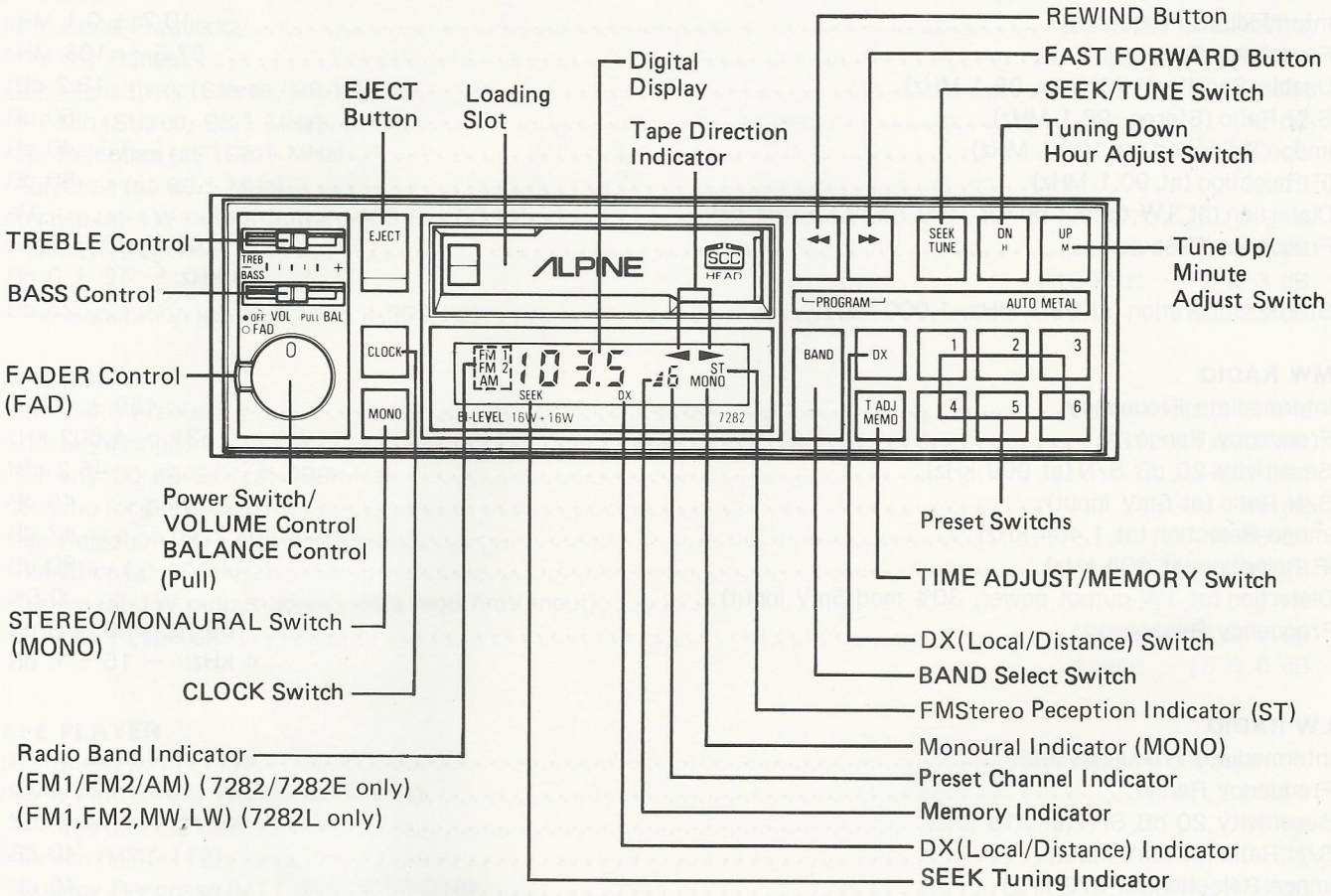


Figure 1

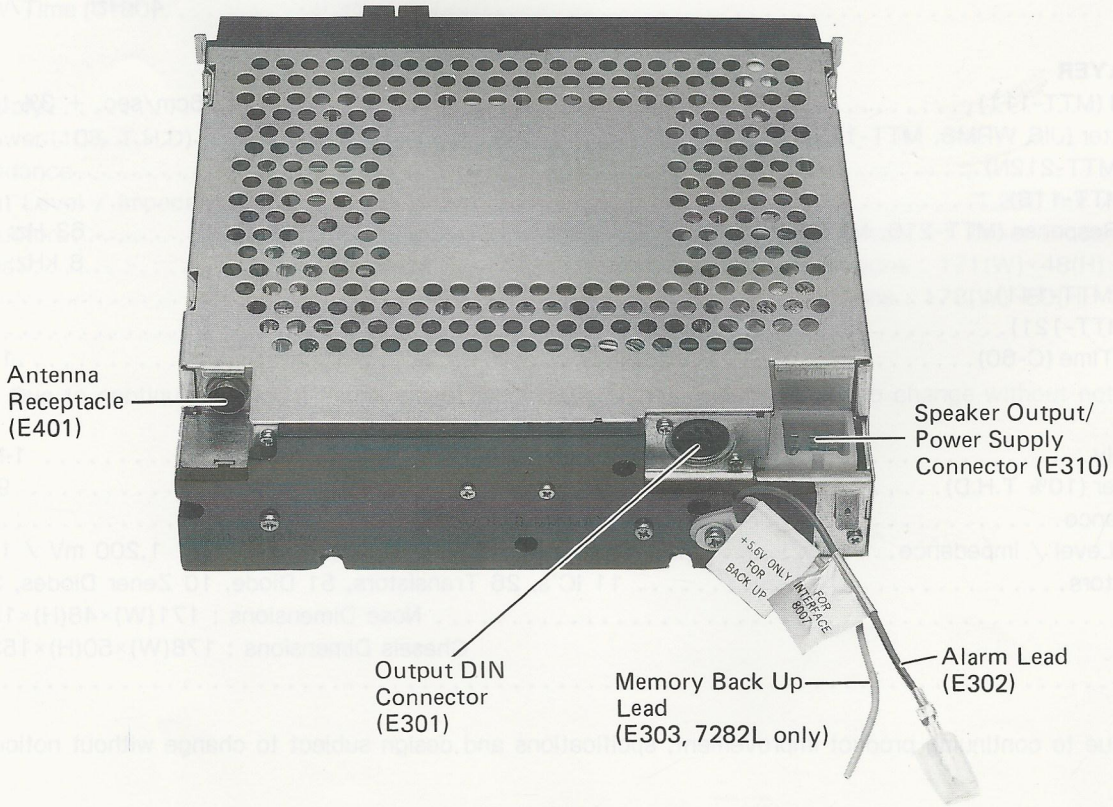


Figure 2

1. Removal of Top Cover

(1) Remove eight screws marked "○" as shown in the Figure 3.

(2) Pull out the Top Cover in the arrow direction as shown in the Figure 3.

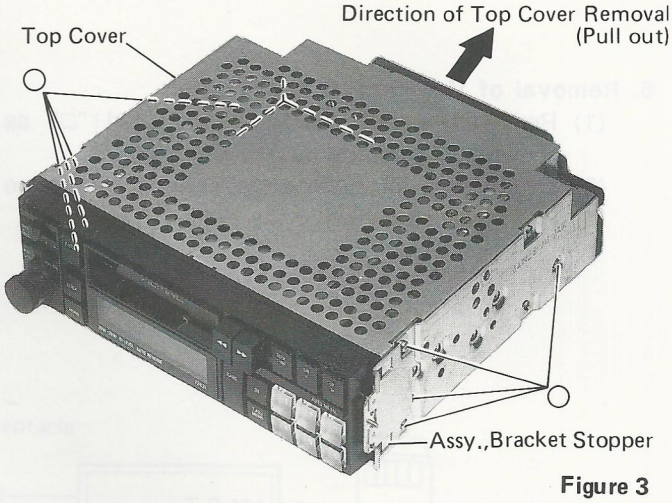


Figure 3

2. Removal of Nosepiece

(1) Remove the side and volume control knob at first as shown in the Figure 4.

(2) Then, remove two screws marked "●" and remove two hooks as shown in Figure 4.

(3) And, Pull out the Nosepiece out of chassis in the arrow direction as shown in the Figure 4.

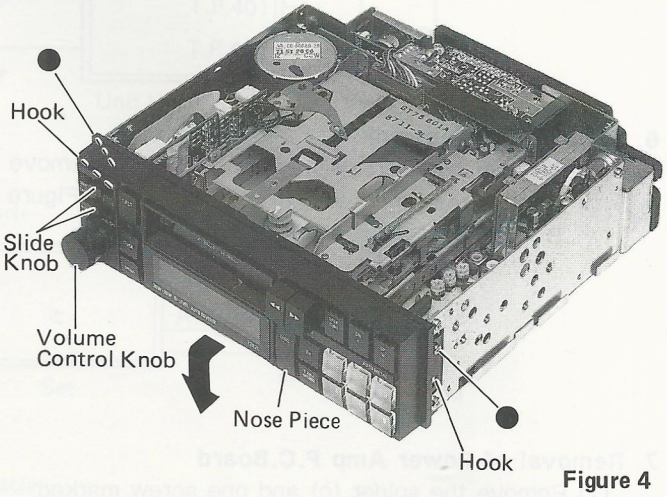


Figure 4

3. Removal of Cassette Deck

(1) Remove four screws marked "★" and disconnect the Connector as shown in the Figure 5.

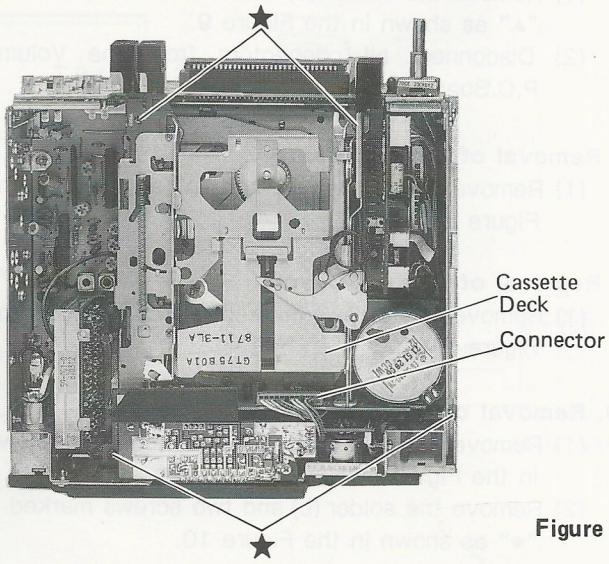


Figure 5

4. Removal of Display P.C.Board

(1) Remove two screws marked "☆" as shown in the Figure 6.

(2) Remove the Connector to Volume P.C.Board as shown in the Figure 7.

(3) Remove the parallel wire in PLL P.C.Board as shown in the Figure 10.

※Be careful not to put off the parallel wire in the process.

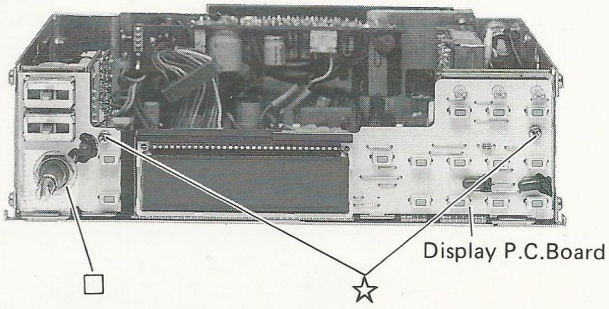


Figure 6

5. Removal of Volume P.C.Board

(1) Remove the nut and washer marked "□" as shown in the Figure 6.

(2) Disconnect all connectors from the Volume P.C.Board as shown in the Figure 7.

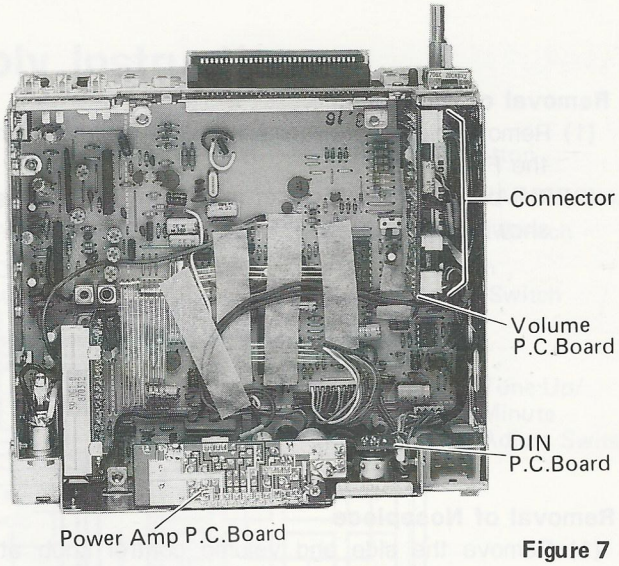


Figure 7

6. Removal of Heatsink

(1) Remove two screws marked "◇" , and remove three screws marked "◎" as shown in the Figure 8.

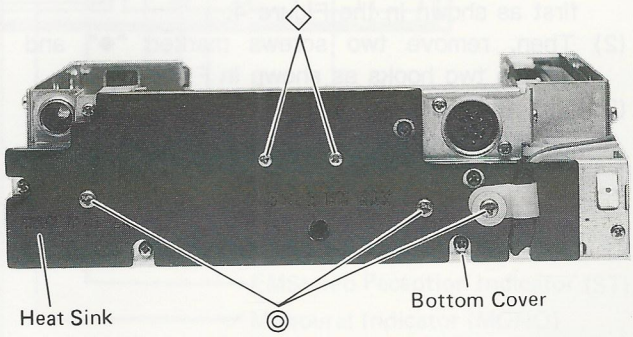


Figure 8

7. Removal of Power Amp P.C.Board

(1) Remove the solder (c) and one screw marked "▲" as shown in the Figure 9.

(2) Disconnect all connectors from the Volume P.C.Board as shown in the Figure 7.

8. Removal of DIN P.C.Board

(1) Remove two screws marked "△" as shown in the Figure 9.

9. Removal of Bottom Cover

(1) Remove two screws marked "■" as shown in the Figure 9.

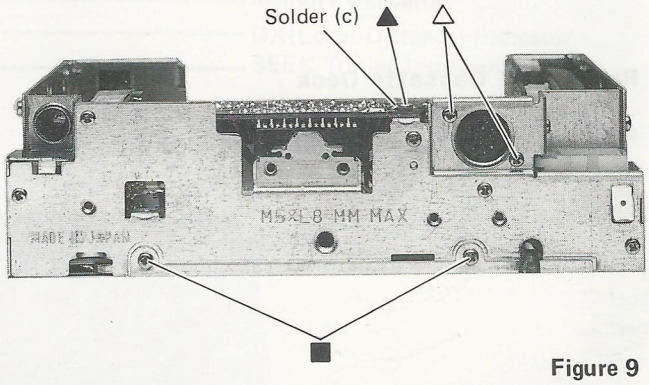


Figure 9

10. Removal of PLL P.C.Board

(1) Remove the solder (a) and two hooks as shown in the Figure 10.

(2) Remove the solder (b) and two screws marked "◆" as shown in the Figure 10.

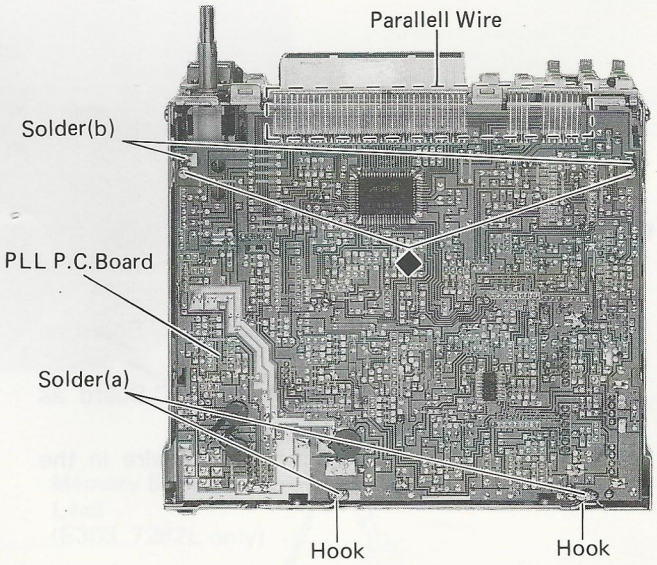


Figure 10

Adjustment Procedures

1. FM SECTION

(1) Dummy Antenna Circuit

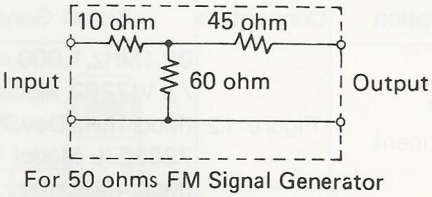


Figure 11

(2) Connections

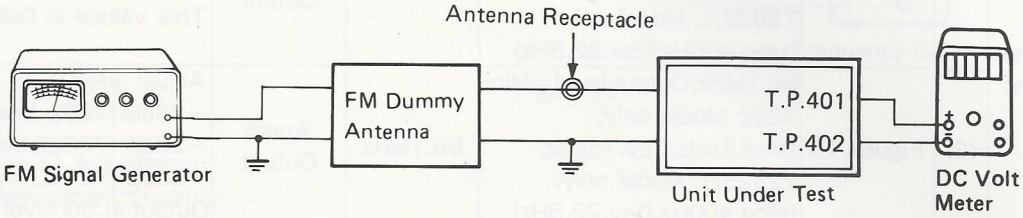


Figure 12

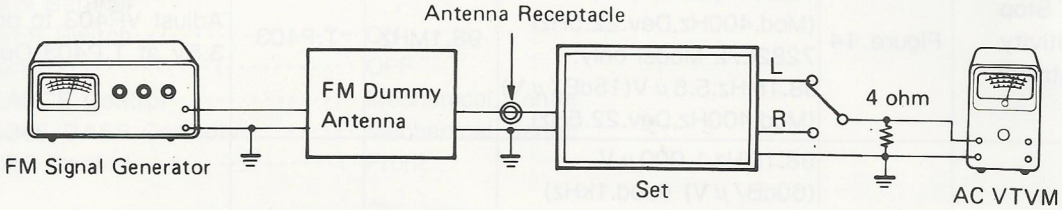


Figure 13

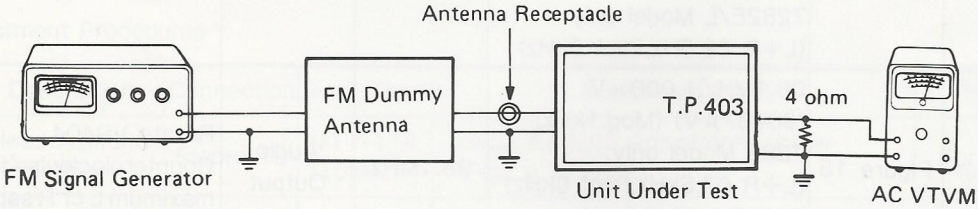


Figure 14

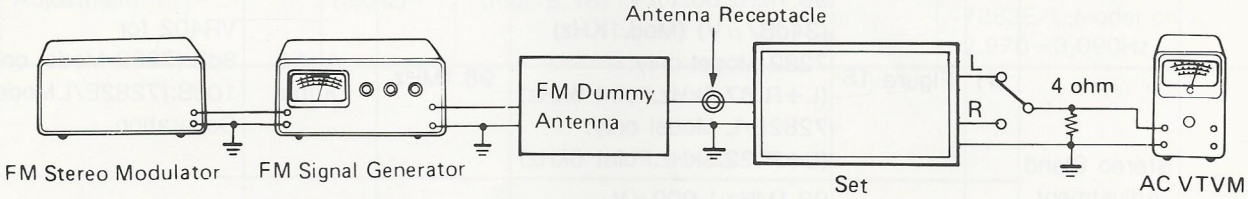


Figure 15

(3) Location of Adjustment Parts
See Adjustment Location

(4) Control Setting

POWER Switch····· ON
BAND Switch····· FM1
LOC/DX Switch····· DX
Others····· OFF
BALANCE Control····· Mechanical Center
TREBLE/BASS Control····· Mechanical Center
FADER Control····· Front

(5) Adjustment Procedures (Step 7 applies Model 7282E/L only)

Step	Description		Connection	Signal Generator	Dial Control	Test Point	Adjustment
1	IF Adjustment		Figure 12	98.1MHz,1,000μV(60dB/μV)7282 Model only: (Mod.1kHz,Dev.75kHz) 7282E/L Model only: (Mod.400Hz,Dev.22.5Hz)	98.1MHz	T.P401 T.P402	T402 for 0±30mV
2	Noise Level Adjustment	(1)	Figure 13	98.1MHz,1,000μV(60dB/μV)7282 Model only: (Mod.1kHz,Dev.75kHz) 7282E/L Model only: (Mod.400Hz,Dev.22.5Hz)	98.1MHz	Audio Output	Adjust VR351 (VOLUME) to obtain 2V output This vaiues is 0dB
		(2)	Figure 13	98.1MHz,Output level=Mini 7282 Model only: (Mod.1kHz,Dev.75kHz) 7282E/L Model only: (Mod.400Hz,Dev.22.5Hz)	98.1MHz	Audio Output	Adjust VR401 to −35dB:(7282 Model only), −26dB:(7282E Model only), −30dB:(7282L Model only), Output at SG level minimum
3	Seek Stop Sensitivity Adjustment		Figure 14	7282 Model only:98.1MHz, 12.6μV(22dB/μV) (Mod.400Hz,Dev.22.5Hz) 7282E/L Model only: 98.1MHz,5.6μV(15dB/μV) (Mod.400Hz,Dev.22.5Hz)	98.1MHz	T.P403	Adjust VR403 to obtain 3.5V at T.P403 Output
4	Point Cancel Adjustment		Figure 15	98.1MHz,1,000μV (60dB/μV) (Mod.1kHz) 7282 Model only: (L+R 67.5kHz,Pilot 6kHz) 7282E/L Model only: (L+R 22.5Hz,Pilot 6kHz)	98.1MHz	Audio Output	VR405 forminimum
5	Stereo Separation Adjustment		Figure 15	98.1MHz,1,000μV (60dB/μV) (Mod.1kHz) 7282 Model only: (L+R 67.5kHz,Pilot 6kHz) 7282E/L Model only: (L+R 22.5Hz,Pilot 6kHz)	98.1MHz	Audio Output	Rotate VR404 Counterciockwise for maximum L or R separation
6	Stereo Bland Adjustment	(1)	Figure 15	98.1MHz,50.1μV (34dB/μV) (Mod.1KHz) 7282 Model only: (L+R 67.5kHz,Point 6kHz) 7282E/L Model only: (L+R 22.5kHz,Point 6kHz)	98.1MHz	Audio Output	VR402 for 8dB:(7282 Model only) 10dB:(7282E/L Model only) Separation
		(2)	Figure 15	98.1MHz,1,000μV (60dB/μV) (Mod.1kHz) 7282 Model only: (L+R 67.5kHz,Pilot 6kHz) 7282E/L Model only: (L+R 22.5Hz,Pilot 6kHz)	98.1MHz	Audio Output	Confirm that separation mssts spec reguirement
7	−3dB Limiting Adjustment	(1)	Figure 13	98.1MHz,1,000μV (60dB/μV) (Mod.400Hz,Dev.22.5kHz)	98.1MHz	Audio Output	Adjust VR351 (VOLUME) to obtain 2V output This values is 8dB
		(2)	Figure 13	98.1MHz 1.4μV(3dB/μV) (Mod.400Hz,Dev.22.5Hz)	98.1MHz	Audio Output	Adjust VR406 to obtain 5dB output

2. TAPE SECTION

(1) Connection

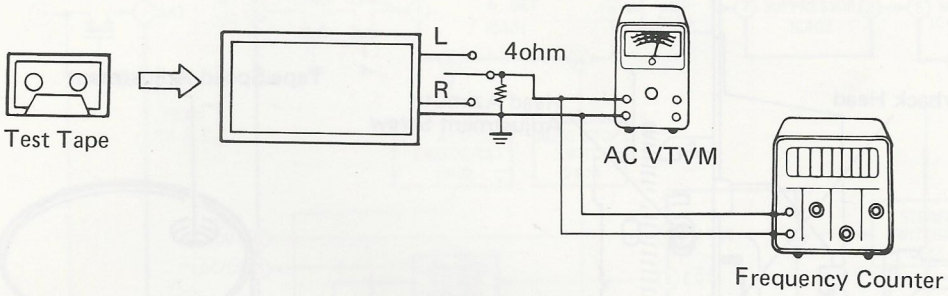


Figure 16

(2) Location of Adjustment
See Adjustment Location

(3) Control Setting
POWER Switch····· ON
Others····· OFF
BALANCE Control····· Mechanical Center
TREBLE/BASS Control····· Mechanical Center
FADER Control····· Front

(4) Adjustment Procedures

Step	Description	Connection	Test Tape	Adjustment Point	Adjustment
1	Head Azimuth Adjustment	Figure 16	MTT-114 (10kHz)	Head Azimuth Adjustment screw (Figure 17)	For Max Audio Output
2	Tape Speed Adjustment	Figure 16	MTT-111 (3kHz)	Tape Speed Adjustment (Figure 18)	Audio Output for 7282 Model only: 2,970~3,120Hz 7282E/L Model only: 2,970~3,090Hz

Adjustment Locations

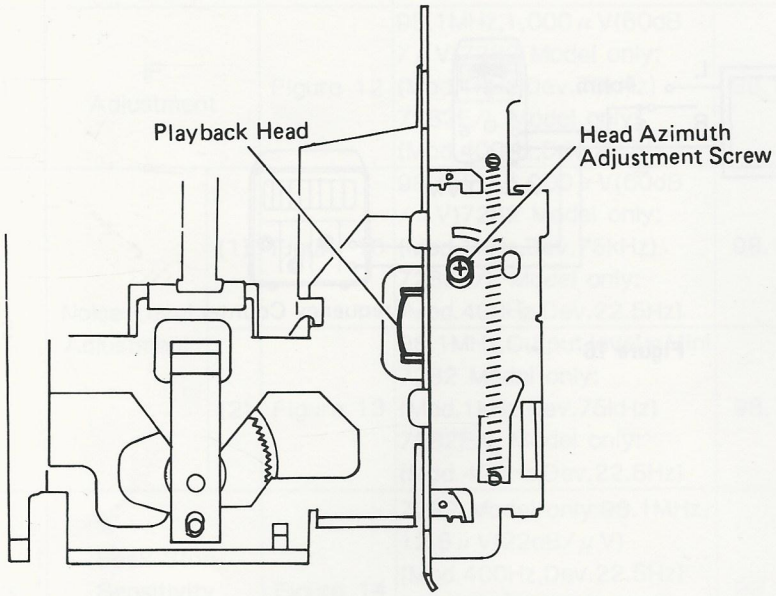


Figure 17

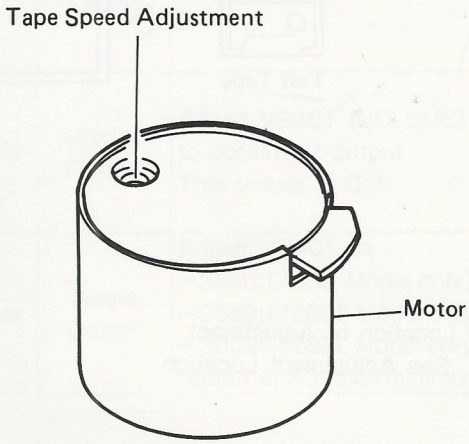
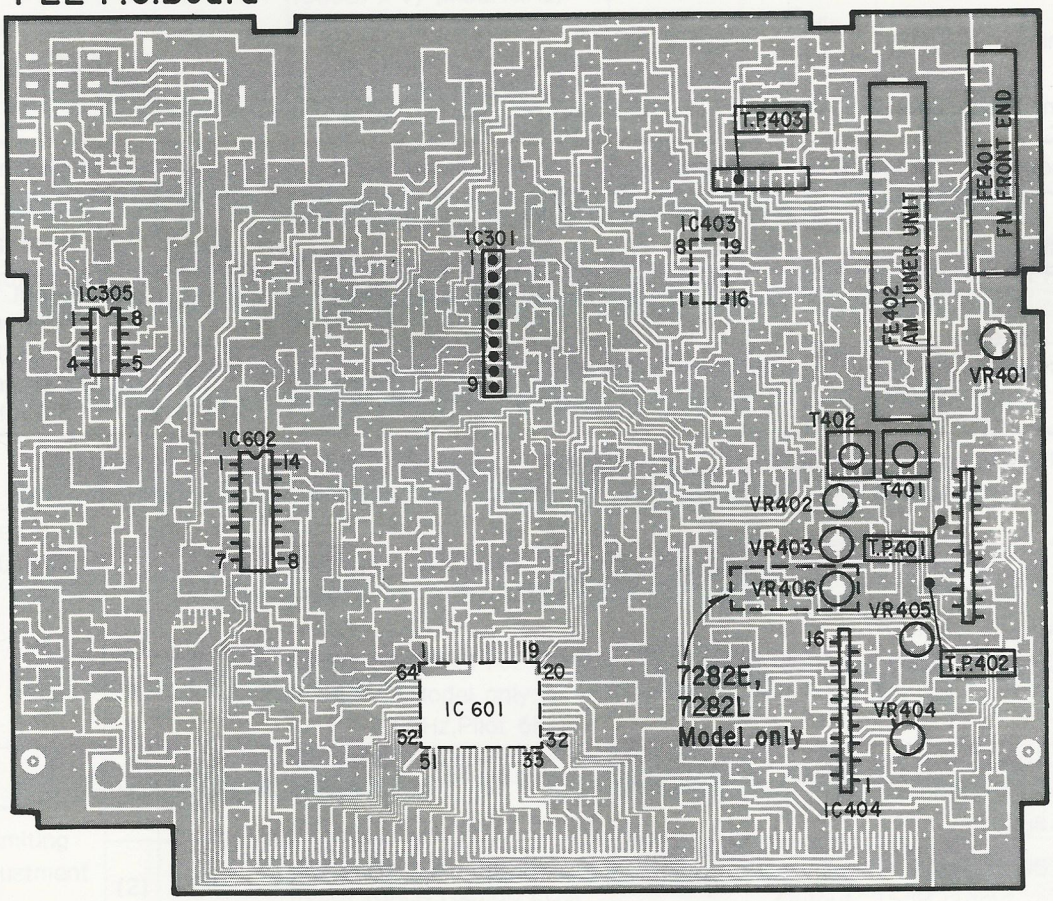
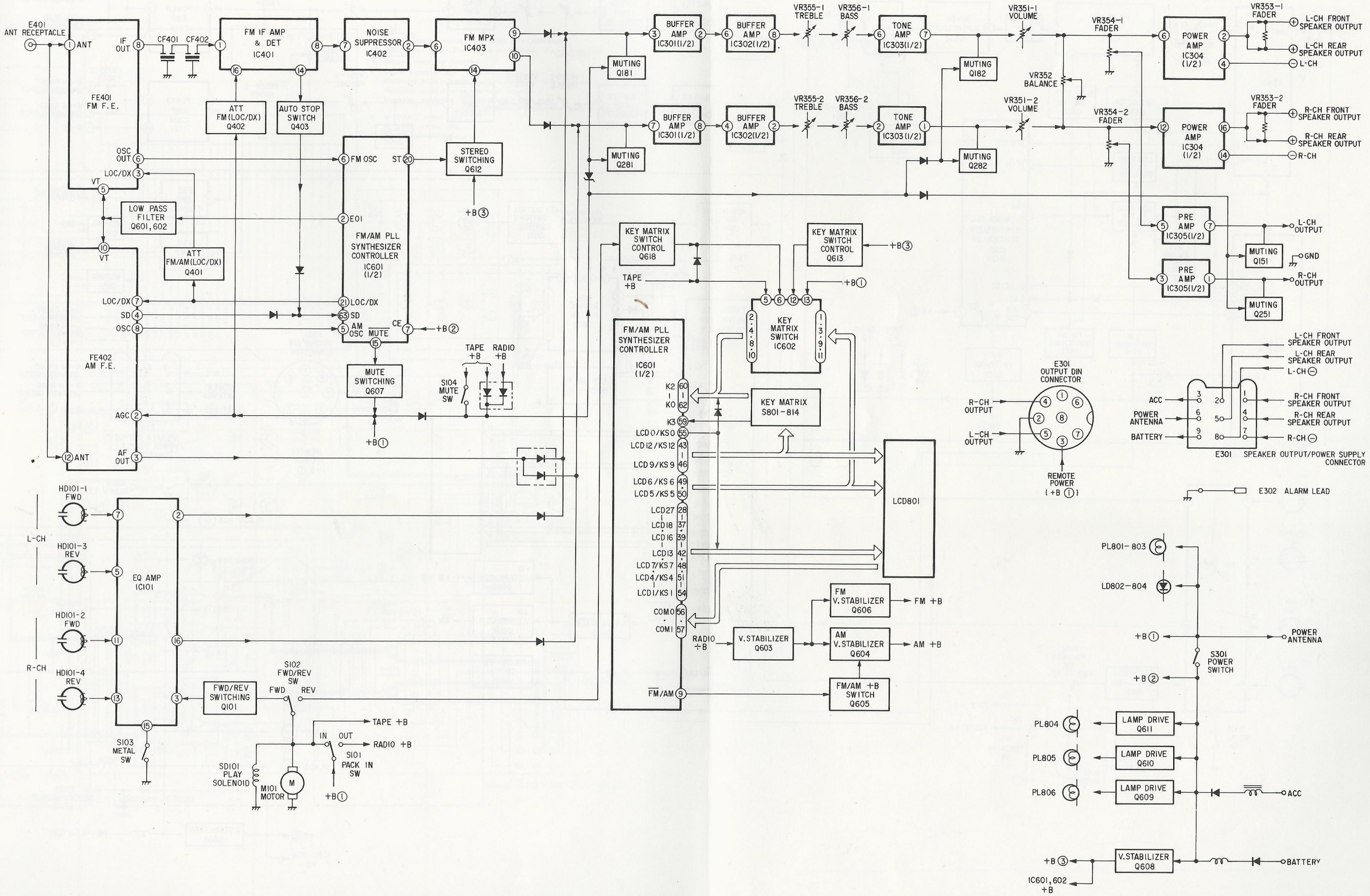


Figure 18

PLL P.C.Board

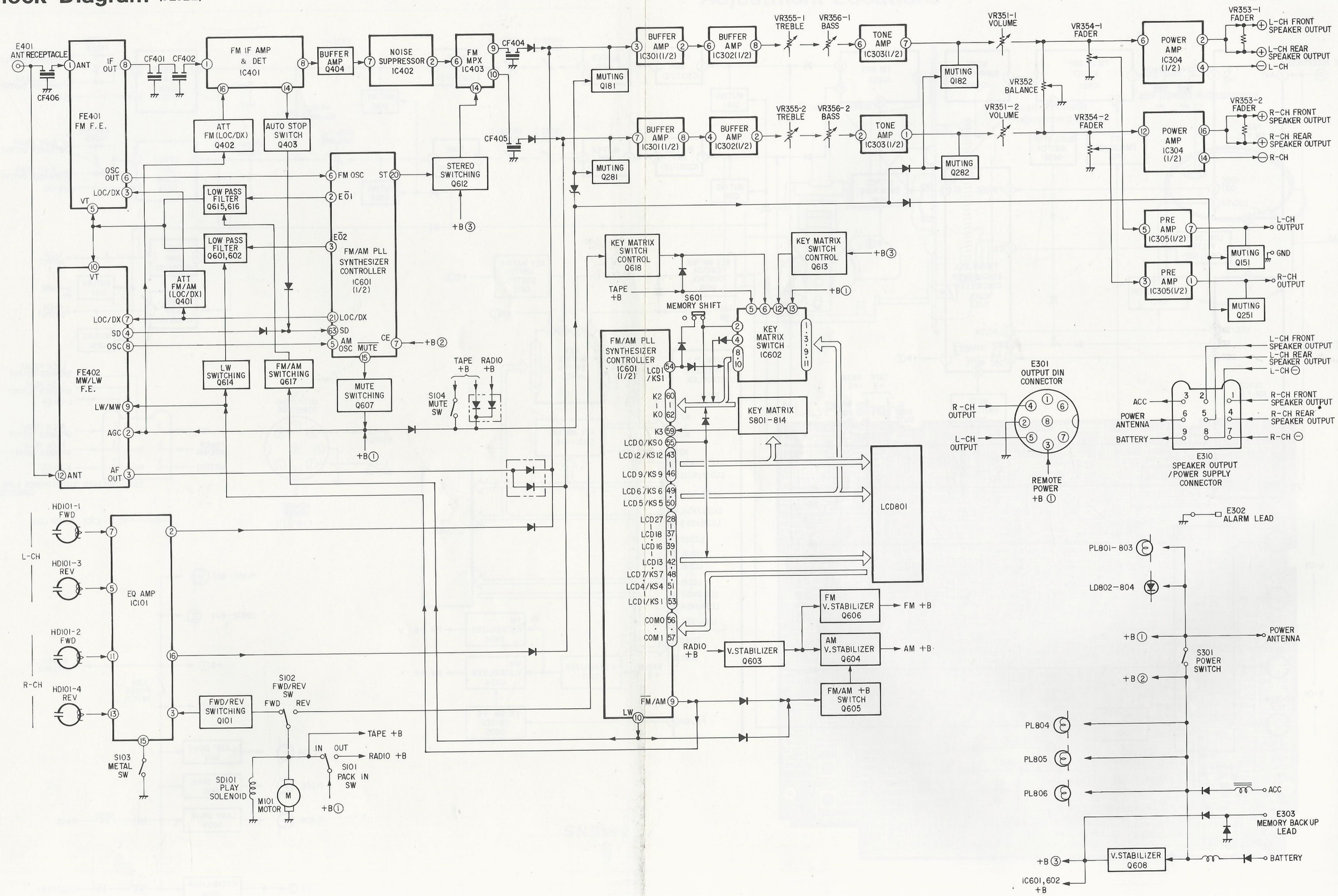


Block Diagram (7282/7282E)

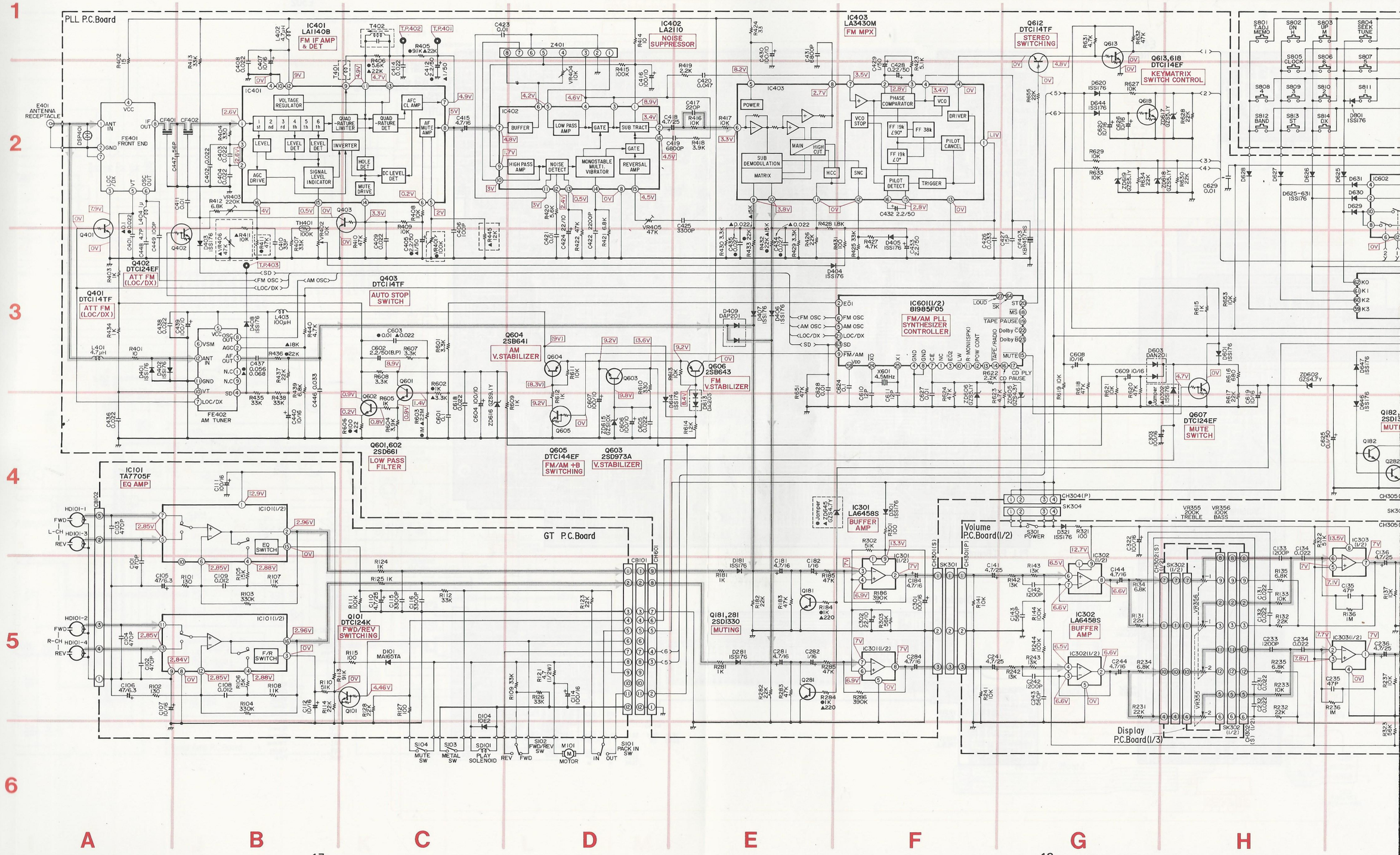


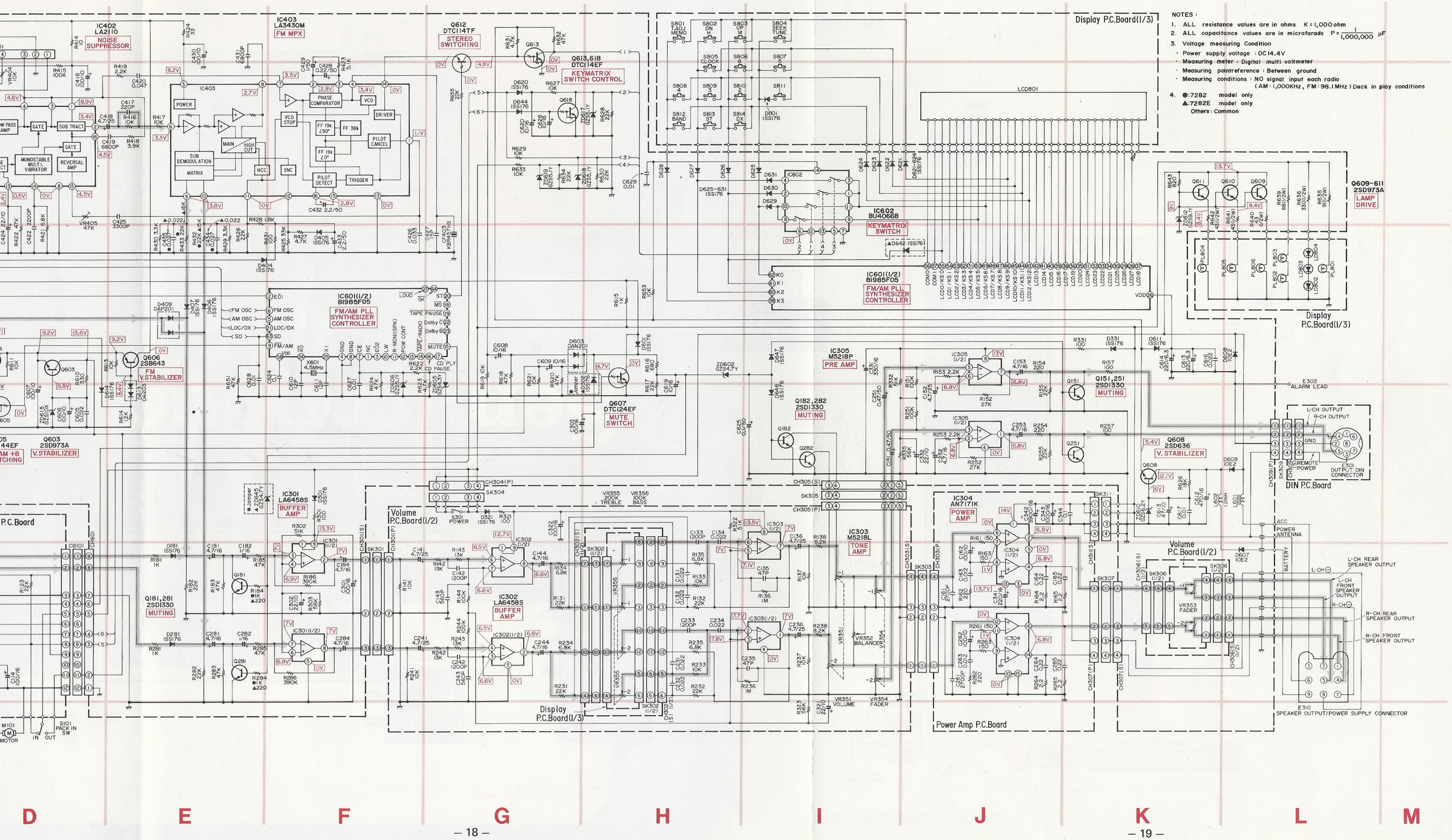
7282/
7282E/L

Block Diagram (7282L)



Schematic Diagram (7282/7282E)

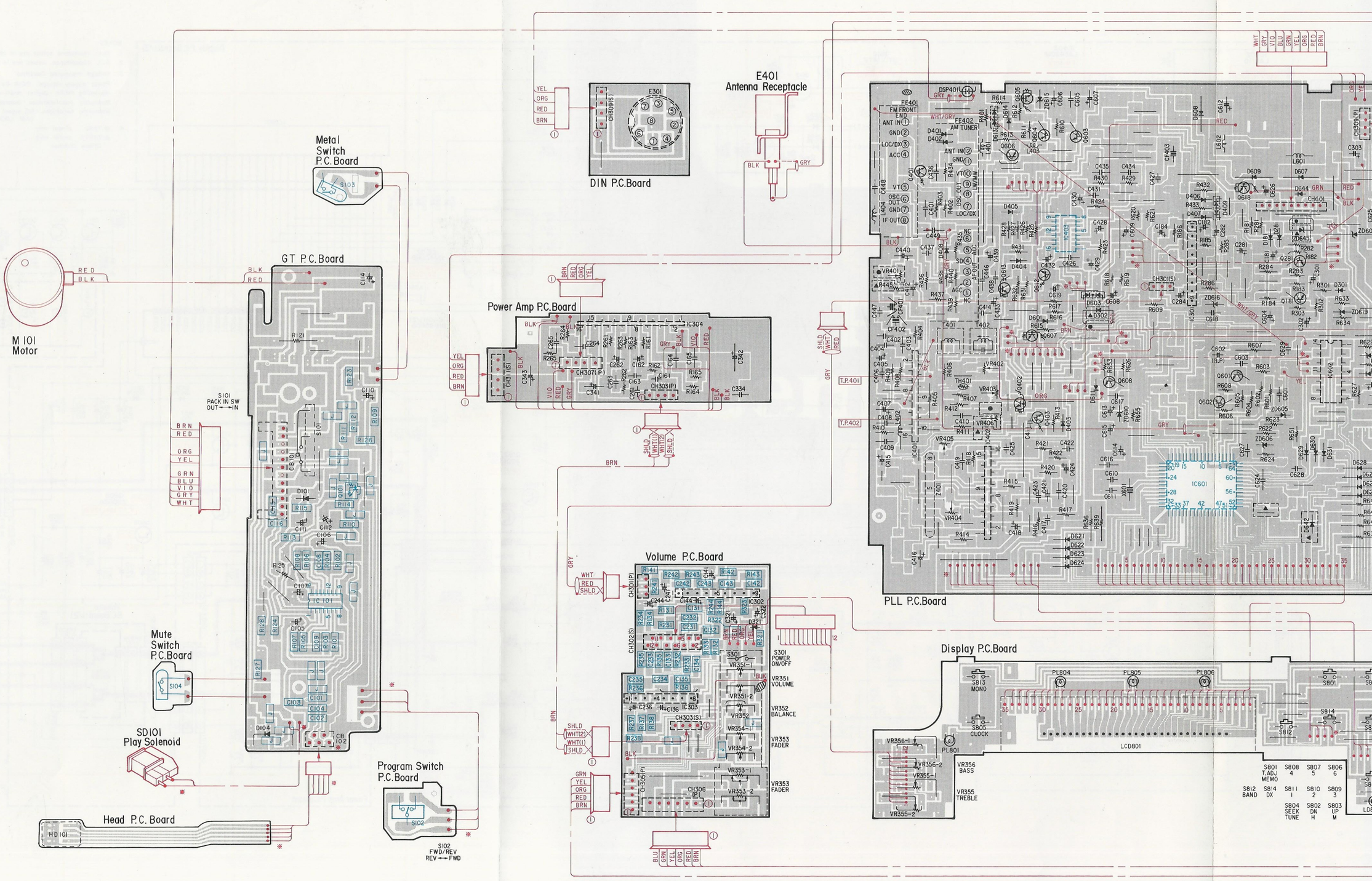


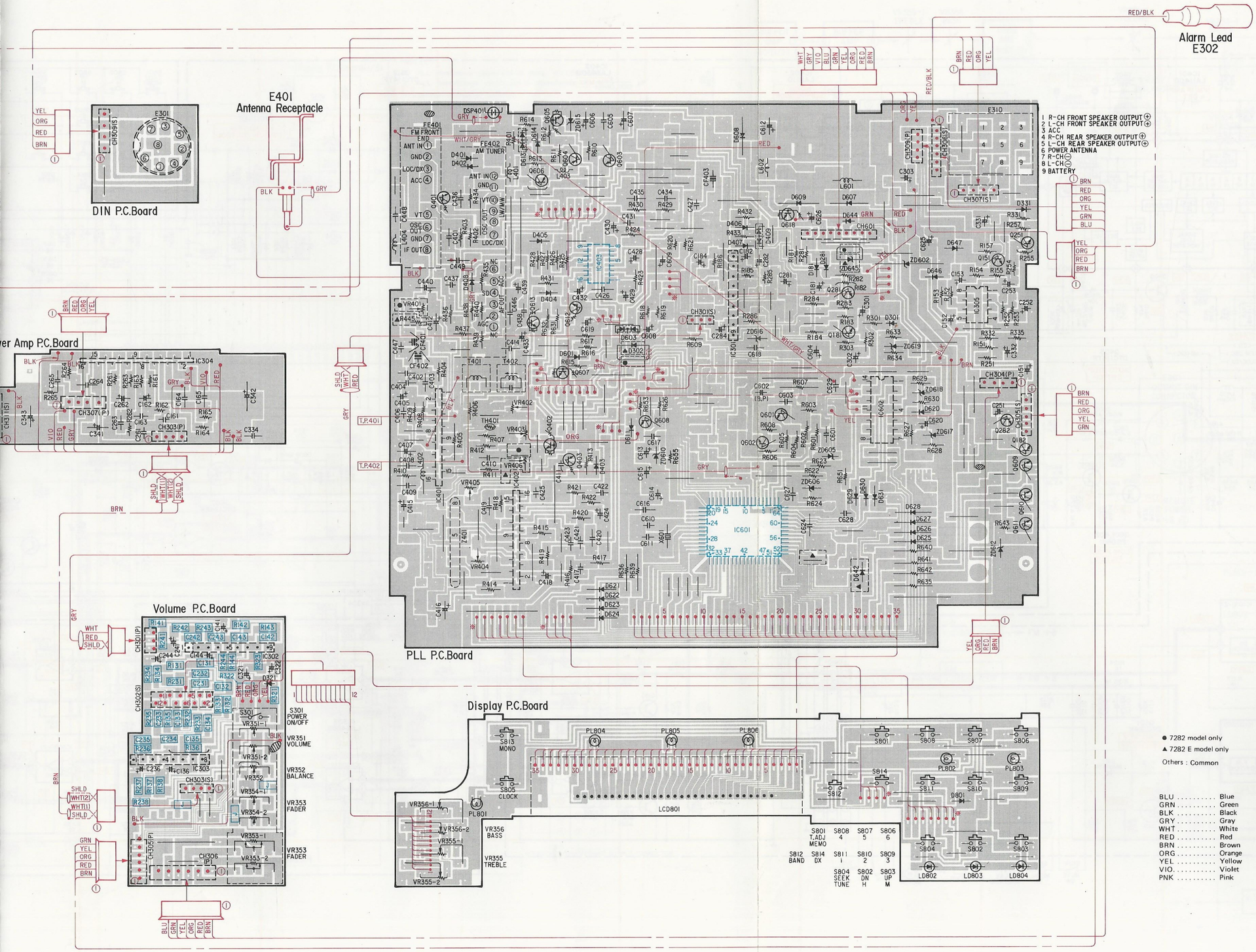


NOTES :

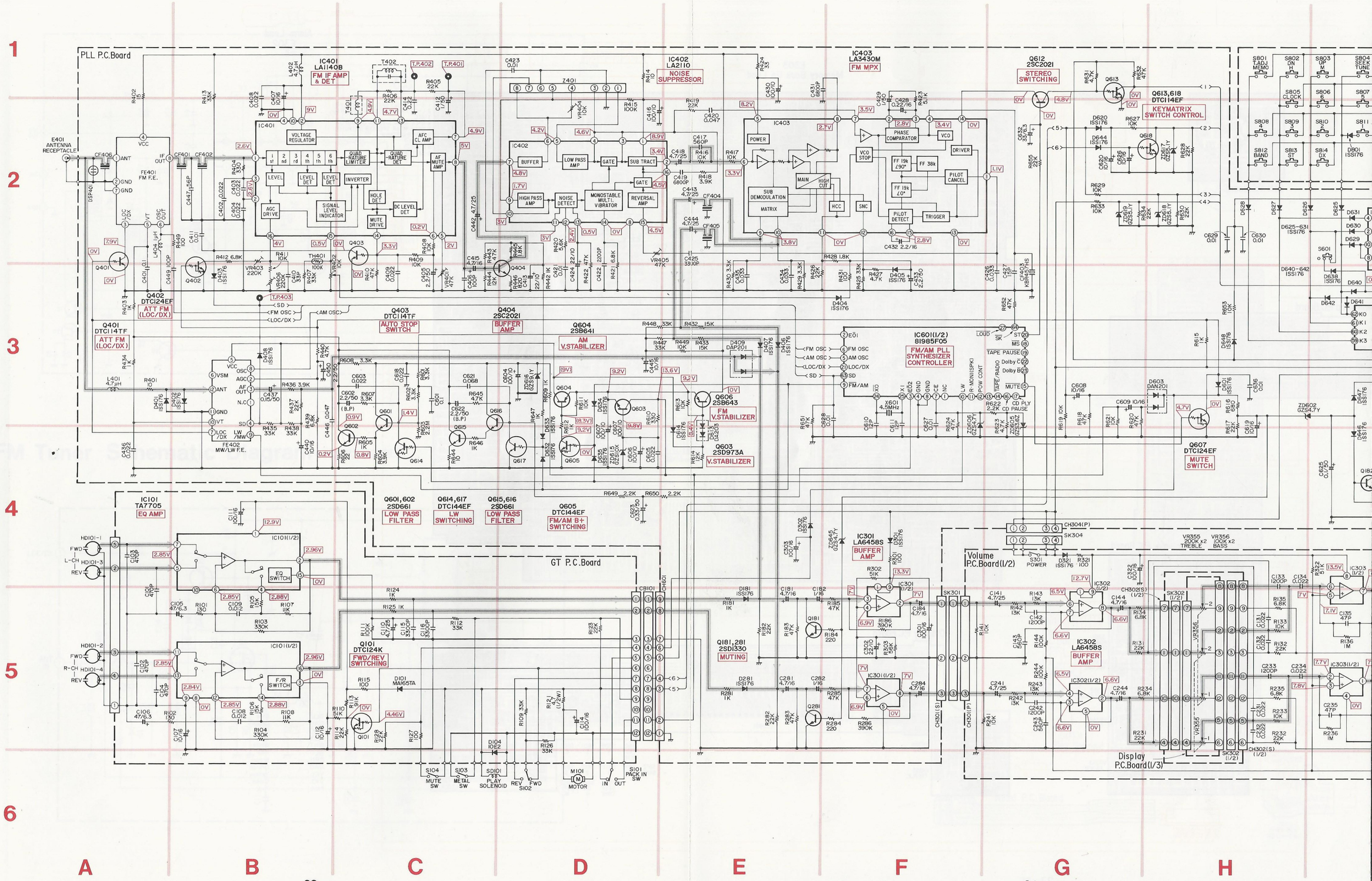
1. ALL resistance values are in ohms K = 1,000 ohm
2. ALL capacitance values are in microfarads $P = \frac{1}{1,000,000}$ μF
3. Voltage measuring Condition
   - Power supply voltage : DC 14.4V
   - Measuring meter : Digital multi voltmeter
   - Measuring pointreference : Between ground
   - Measuring conditions : NO signal input each radio (AM : 1,000KHz, FM : 98.1MHz) Deck in play conditions
4. ●:7282 model only
   ▲:7282E model only
   Others : Common

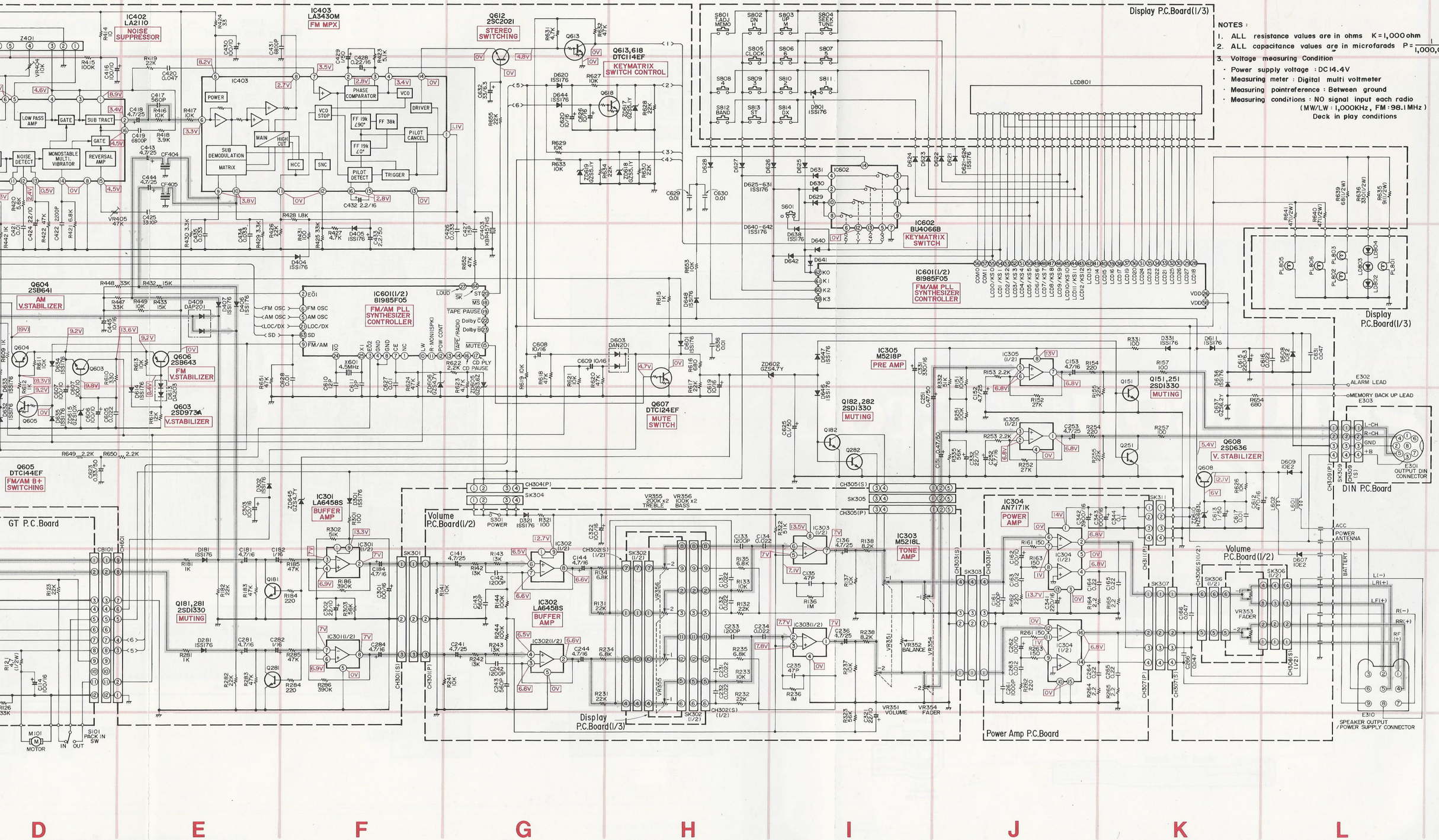
Parts Layout on P.C. Boards and Wiring Diagram (7282/7282E)



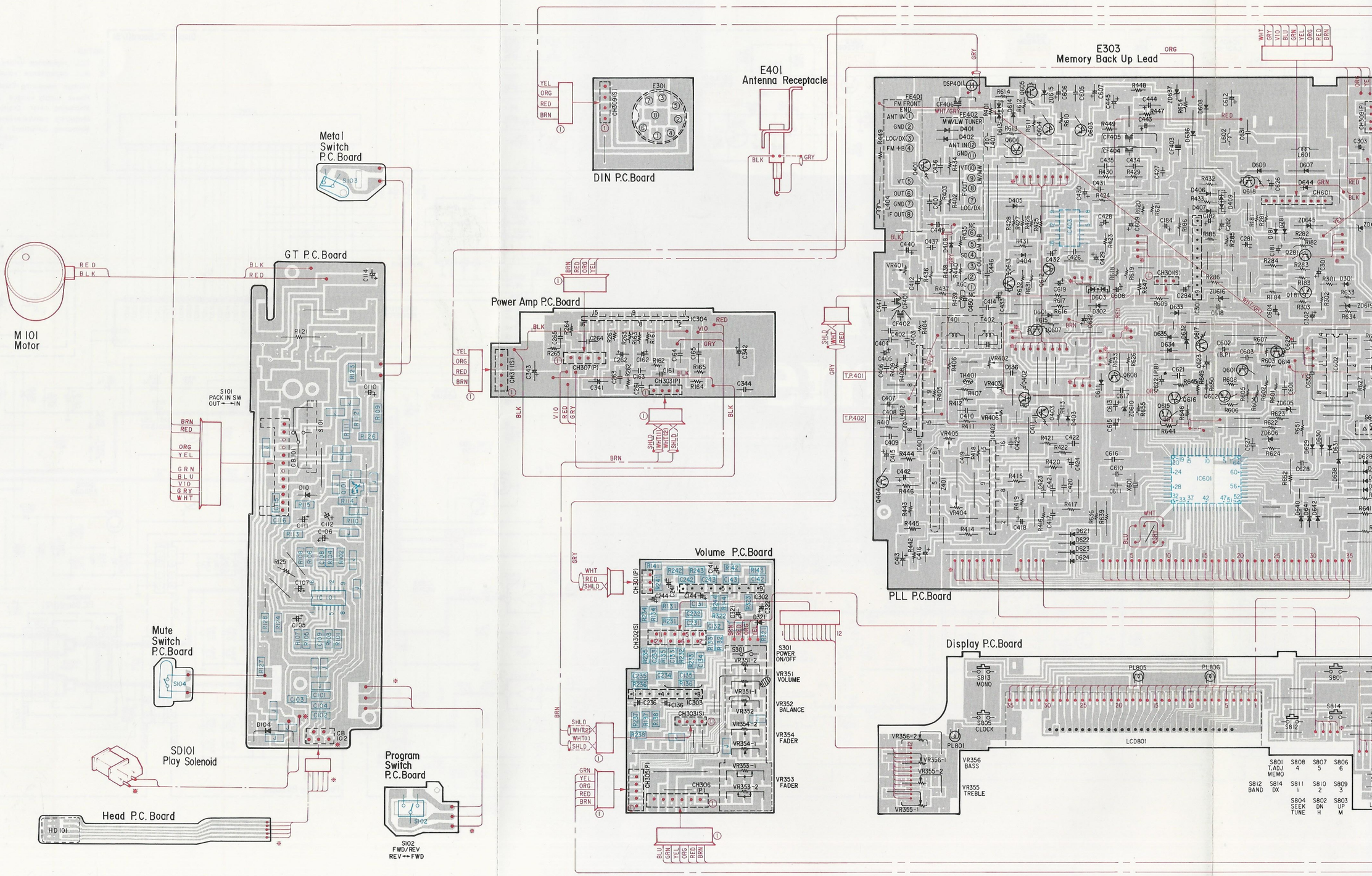

Alarm Lead
E302
E401
Antenna Receptacle
DIN P.C.Board
Power Amp P.C.Board
Volume P.C.Board
PLL P.C.Board
Display P.C.Board
1 R-CH FRONT SPEAKER OUTPUT ⊕
2 L-CH FRONT SPEAKER OUTPUT ⊕
3 ACC
4 R-CH REAR SPEAKER OUTPUT ⊕
5 L-CH REAR SPEAKER OUTPUT ⊕
6 POWER ANTENNA
7 R-CH ⊖
8 L-CH ⊖
9 BATTERY
S301 POWER ON/OFF
VR351 VOLUME
VR352 BALANCE
VR353 FADER
VR353 FADER
VR356 BASS
VR355 TREBLE
S813 MONO
S805 CLOCK
S801 T.ADJ MEMO
S808 4
S807 5
S806 6
S812 BAND
S814 DX
S811 1
S810 2
S809 3
S804 SEEK TUNE
S802 DN H
S803 UP M
LCD801
IC601
● 7282 model only
▲ 7282 E model only
Others : Common
BLU ..... Blue
GRN ..... Green
BLK ..... Black
GRY ..... Gray
WHT ..... White
RED ..... Red
BRN ..... Brown
ORG ..... Orange
YEL ..... Yellow
VIO ..... Violet
PNK ..... Pink

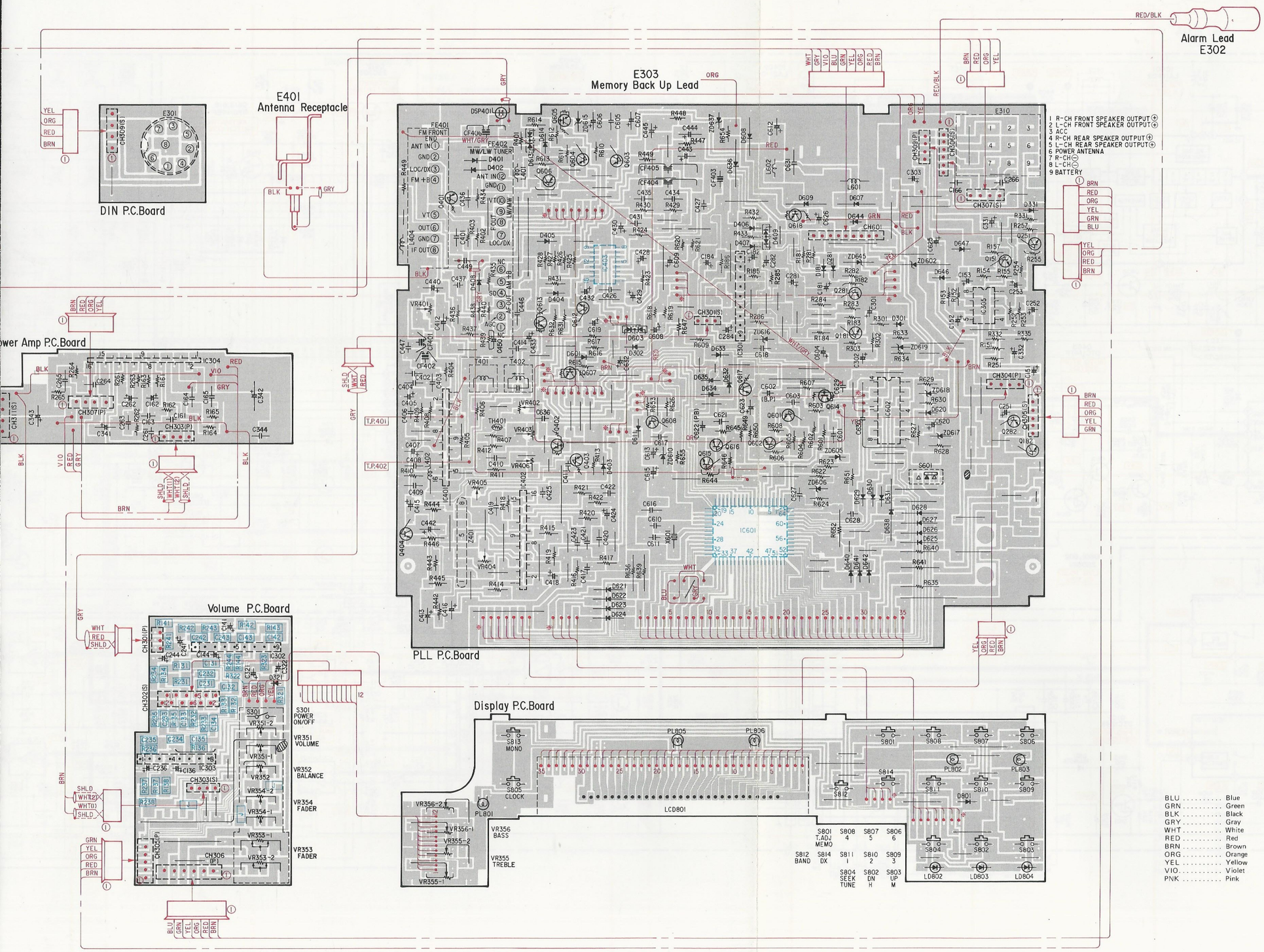
Schematic Diagram (7282L)



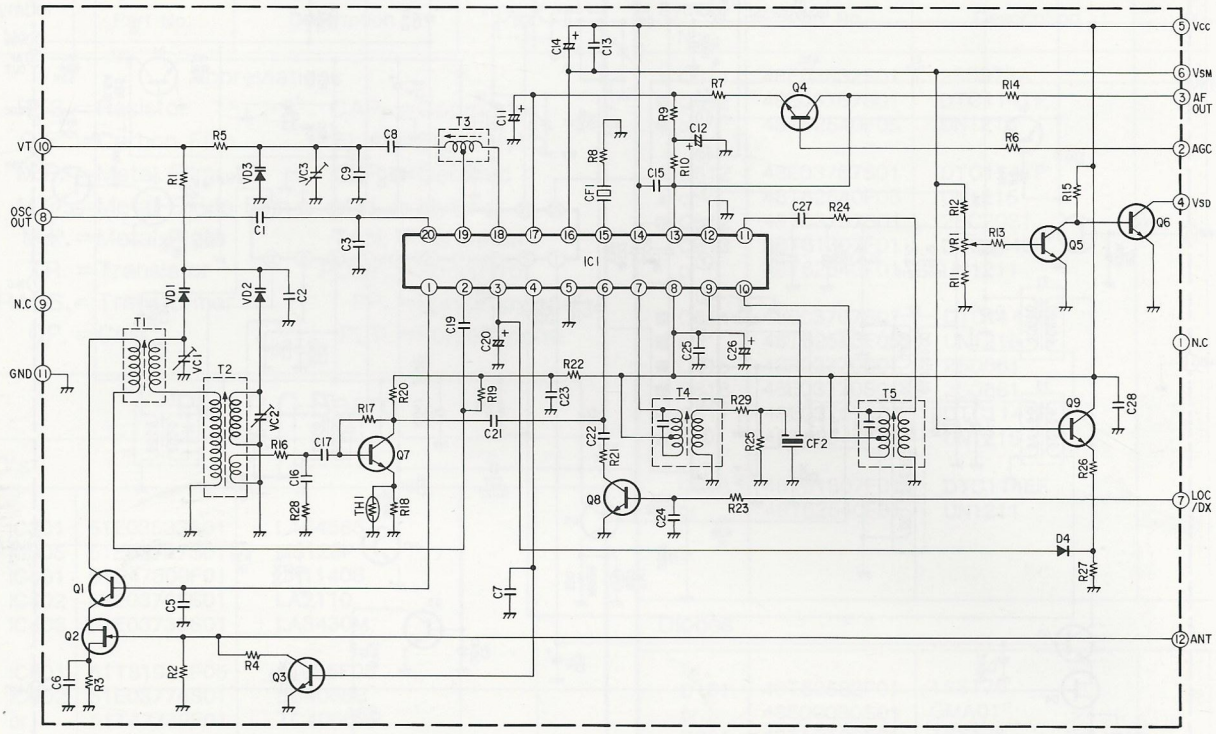

IC402
LA2110
NOISE SUPPRESSOR
IC403
LA3430M
FM MPX
Q612
2SC2021
STEREO SWITCHING
Q613,618
DTC114EF
KEYMATRIX SWITCH CONTROL
Display P.C.Board(1/3)
NOTES :
1. ALL resistance values are in ohms K=1,000 ohm
2. ALL capacitance values are in microfarads P=1/1,000,000 μF
3. Voltage measuring Condition
· Power supply voltage : DC14.4V
· Measuring meter : Digital multi voltmeter
· Measuring pointreference : Between ground
· Measuring conditions : NO signal input each radio (MW/LW : 1,000KHz, FM : 98.1 MHz) Deck in play conditions
IC602
BU4066B
KEYMATRIX SWITCH
IC601(1/2)
81985F05
FM/AM PLL SYNTHESIZER CONTROLLER
Q604
2SB641
AM V.STABILIZER
Q606
2SB643
FM V.STABILIZER
Q603
2SD973A
V.STABILIZER
Q605
DTC144EF
FM/AM B+ SWITCHING
Q607
DTC124EF
MUTE SWITCH
IC305
M5218P
PRE AMP
Q182,282
2SD1330
MUTING
Q151,251
2SD1330
MUTING
Q608
2SD636
V. STABILIZER
E302
ALARM LEAD
MEMORY BACK UP LEAD
E303
E301
OUTPUT DIN CONNECTOR
DIN P.C.Board
GT P.C.Board
IC301
LA6458S
BUFFER AMP
IC302
LA6458S
BUFFER AMP
Q181,281
2SD1330
MUTING
Volume P.C.Board(1/2)
IC303
M5218L
TONE AMP
IC304
AN7171K
POWER AMP
Volume P.C.Board(1/2)
Display P.C.Board(1/3)
Power Amp P.C.Board
E310
SPEAKER OUTPUT / POWER SUPPLY CONNECTOR
M101
MOTOR
S101
PACK IN SW
D
E
F
G
H
I
J
K
L
M

Parts Layout on P.C. Boards and Wiring Diagram (7282L)

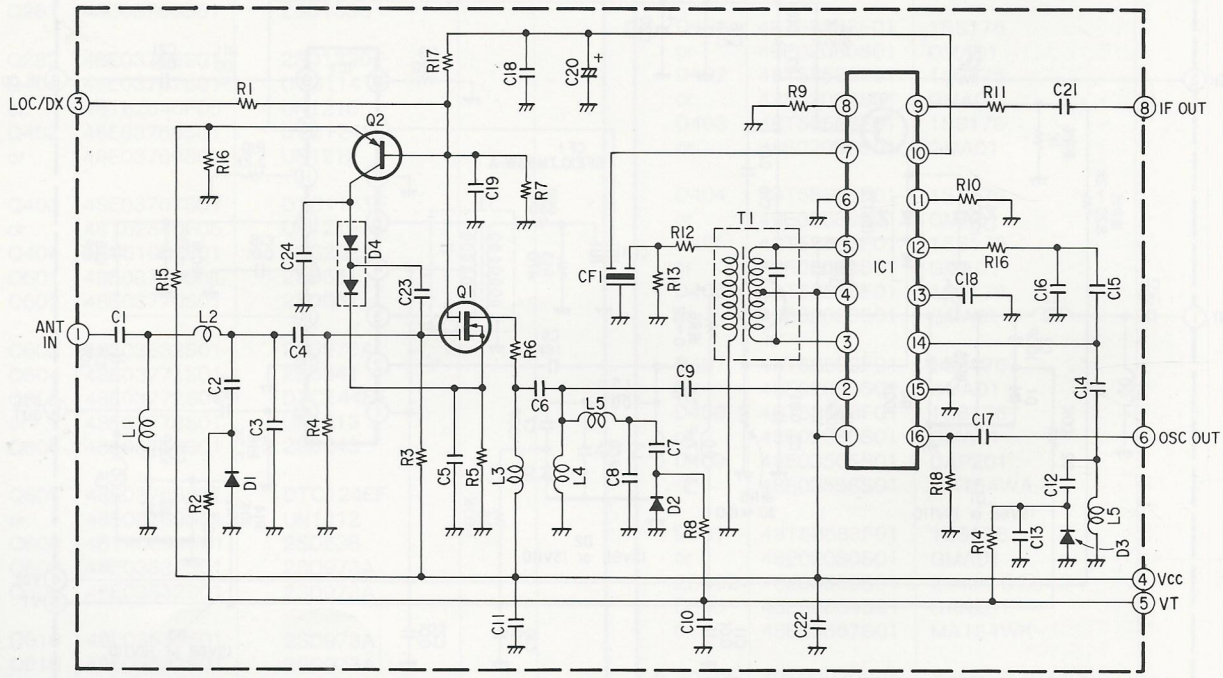



DIN P.C.Board
E401
Antenna Receptacle
E303
Memory Back Up Lead
Alarm Lead
E302
Power Amp P.C.Board
Volume P.C.Board
PLL P.C.Board
Display P.C.Board
1 R-CH FRONT SPEAKER OUTPUT ⊕
2 L-CH FRONT SPEAKER OUTPUT ⊕
3 ACC
4 R-CH REAR SPEAKER OUTPUT ⊕
5 L-CH REAR SPEAKER OUTPUT ⊕
6 POWER ANTENNA
7 R-CH ⊖
8 L-CH ⊖
9 BATTERY
S301 POWER ON/OFF
VR351 VOLUME
VR352 BALANCE
VR354 FADER
VR353 FADER
VR356 BASS
VR355 TREBLE
S805 CLOCK
S813 MONO
LCD801
S801 T.ADJ MEMO
S808 4
S807 5
S806 6
S812 BAND
S814 DX
S811 1
S810 2
S809 3
S804 SEEK TUNE
S802 DN H
S803 UP M
BLU ..... Blue
GRN ..... Green
BLK ..... Black
GRY ..... Gray
WHT ..... White
RED ..... Red
BRN ..... Brown
ORG ..... Orange
YEL ..... Yellow
VIO ..... Violet
PNK ..... Pink

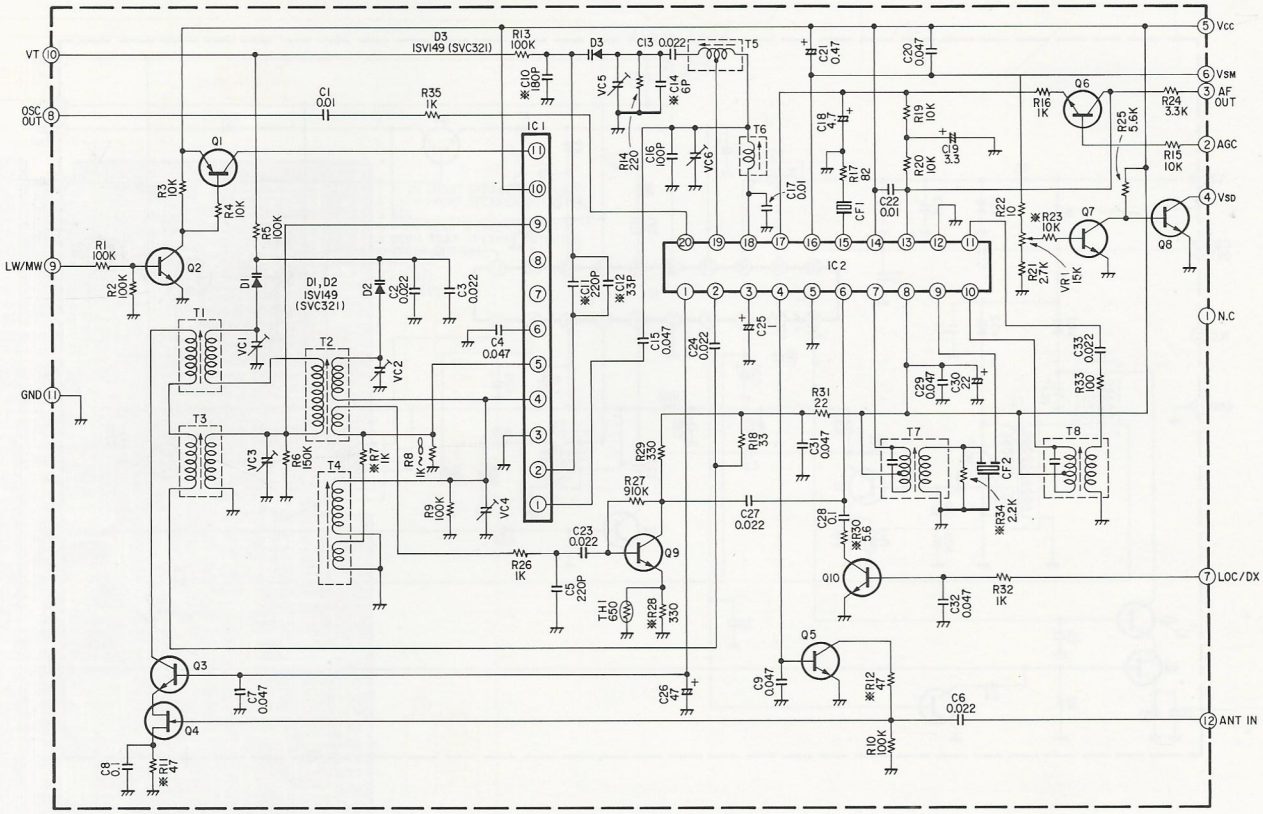
AM Tuner Schematic Diagram (7282/7282E)



FM Tuner Schematic Diagram (7282/7282E)

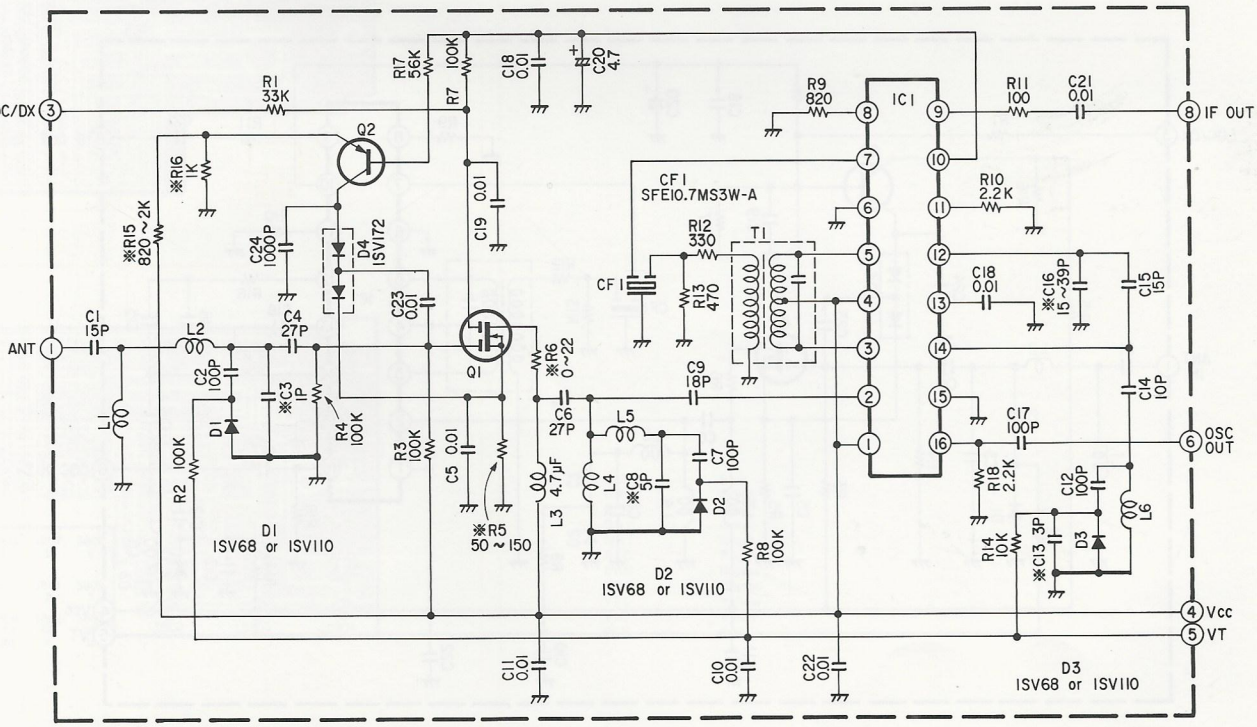


MW/LW Tuner Schematic Diagram (7282L)



Note: Parts marked "※" are for adjustment

FM Tuner Schematic Diagram (7282L)



Note: Parts marked "※" are for adjustment

Electrical Parts List

Resistors: Carbon resistors under ¼ watts are not mentioned in the parts list, please confirm them by schematic diagram.
uF = microfarads, pF = picofarads

Symbol No.	Part No.	Description		
		Abbreviations		
		RES. = Resistor	CAP. = Capasistor	
		C.F. = Carbon Film	ELY. = Electrolytic	
		M.F. = Metal Film	CER. = Ceramic	
		M.O. = Metal Oxide Film	MYL. = Mylar	
		M.P. = Metal Plate	TAN. = Tantalum	
		TR. = Transistor	POLY. = Polystyrol	
		TRANS. = Transformer	PP. = Polypropylene	
		CP. = Chip	PLT. = Polyethylene	
		PLL P.C.Board		
IC's				
IC301	51E03533S01	LA6458S		
IC305	51E03727S01	M5128P		
IC401	51S47809F01	LA1140B		
IC402	51E03765S01	LA2110		
IC403	51E03735S01	LA3430M		
IC601	51T81985F05	81985F05		
IC602	51E03774S01	BU4066B		
▲ or	51T47739F01	TC4066BP		
Transistors				
Q151	48E03766S01	2SD1330		
Q181	48E03766S01	2SD1330		
Q182	48E03766S01	2SD1330		
Q251	48E03766S01	2SD1330		
Q281	48E03766S01	2SD1330		
Q282	48E03766S01	2SD1330		
Q401	48E03767S01	DTC114TF		
or	48T62540F05	UN1215		
Q402	48E03768S01	DTC124EF		
or	48E03769S01	UN1212		
Q403	48E03767S01	DTC114TF		
or	48T62540F05	UN1215		
■ Q404	48T51091F01	2SC2021		
Q601	48E03770S01	2SD661		
Q602	48E03770S01	2SD661		
Q603	48E03532S01	2SD973A		
Q604	48E03771S01	2SB641		
Q605	48E03772S01	DTC144EF		
or	48E03773S01	UN1213		
Q606	48E03736S01	2SB643		
Q607	48E03768S01	DTC124EF		
or	48E03769S01	UN1212		
Q608	48T40594U01	2SD636		
● Q609	48E03532S01	2SD973A		
▲ Q609	48E03532S01	2SD973A		
● Q610	48E03532S01	2SD973A		
▲ Q610	48E03532S01	2SD973A		
● Q611	48E03532S01	2SD973A		
▲ Q611	48E03532S01	2SD973A		
● Q612	48E03767S01	DTC114TF		
● or	48T62540F05	UN1215		
▲ Q612	48E03767S01	DTC114TF		
▲ or	48T62540F05	UN1215		
■ Q612	48T03767S01	2SC2021		
Q613	48T61307F01	DTC114EF		
or	48T62540F01	UN1211		
■ Q614	48E03767S01	DTC114TF		
■ or	48T62540F05	UN1215		
■ Q615	48E03770S01	2SD661		
■ Q616	48E03770S01	2SD661		
■ Q617	48E03767S01	DTC114TF		
■ or	48T62540F05	UN1215		
Q618	48T61307F01	DTC114EF		
or	48T62540F01	UN1211		
Diodes				
D181	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D281	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D301	48T58583F01	1SS176		
or	48E02080S01	GMA01		
▲ D302	48T58583F01	1SS176		
▲ or	48E02080S01	GMA01		
■ D302	48T58583F01	1SS176		
■ or	48E02080S01	GMA01		
D331	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D401	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D402	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D403	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D404	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D405	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D406	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D407	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D408	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D409	48E03565S01	DAP201		
or	48E03568S01	MA154WA		
D601	48T58583F01	1SS176		
or	48E02080S01	GMA01		
ZD602	48E03560S01	Zener, GZS4.7Y		
D603	48E03564S01	DAN201		
or	48E03567S01	MA154WK		
● ZD605	48E02079S04	Zener, GZS4.3Y		
▲ ZD605	48E02079S04	Zener, GZS4.3Y		

Note: ●:7282 Model only, ▲:7282E Model only, ■:7282L Model only, Others:Common

Symbol No.	Part No.	Description		
■ ZD605	48E03931S04	Zener, GZS3.6Z		
● ZD606	48E02079S03	Zener, GZS5.1Y		
▲ ZD606	48E02079S03	Zener, GZS5.1Y		
■ ZD606	48E03560S01	Zener, GZS4.7X		
D607	48C40235G02	10E2		
D608	48C40235G02	10E2		
D609	48C40235G02	10E2		
● ZD610	48E02079S02	Zener, GZS6.2Y		
▲ ZD610	48E02079S02	Zener, GZS6.2Y		
■ ZD610	48E03932S01	Zener, HZS6B3L-TD		
D611	48T58583F01	1SS176		
or	48E02080S01	GMA01		
● ZD612	48E02079S01	Zener, GZS9.1Y		
▲ ZD612	48E02079S01	Zener, GZS9.1Y		
D613	48E03566S01	DA203		
or	48E03569S01	MA156		
D614	48T58583F01	1SS176		
or	48E02080S01	GMA01		
ZD615	48E03554S01	Zener, GZS10.0X		
ZD616	48E02079S01	Zener, GZS9.1Y		
ZD617	48E02079S03	Zener, GZS5.1Y		
ZD618	48E02079S03	Zener, GZS5.1Y		
ZD619	48E02079S03	Zener, GZS5.1Y		
D620	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D621	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D622	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D623	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D624	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D625	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D626	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D627	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D628	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D629	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D630	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D631	48T58583F01	1SS176		
or	48E02080S01	GMA01		
■ D632	48T58583F01	1SS176		
■ or	48E02080S01	GMA01		
■ D633	48T58583F01	1SS176		
■ or	48E02080S01	GMA01		
■ D634	48T58583F01	1SS176		
■ or	48E02080S01	GMA01		
■ D635	48T58583F01	1SS176		
■ or	48E02080S01	GMA01		
■ D636	48T58583F01	1SS176		
■ or	48E02080S01	GMA01		
■ ZD637	48E02079S02	Zener, GZS6.2Y		
■ D638	48T58583F01	1SS176		
■ or	48E02080S01	GMA01		
■ D640	48T58583F01	1SS176		
■ or	48E02080S01	GMA01		

Symbol No.	Part No.	Description		
■ D641	48T58583F01	1SS176		
■ or	48E02080S01	GMA01		
▲ D642	48T58583F01	1SS176		
▲ or	48E02080S01	GMA01		
■ D642	48T58583F01	1SS176		
■ or	48E02080S01	GMA01		
D644	48T58583F01	1SS176		
or	48E02080S01	GMA01		
▲ ZD645	48E03560S01	Zener,GZS4.7Y		
■ ZD645	48E03560S01	Zener,GZS4.7Y		
D646	48T58583F01	1SS176		
or	48E02080S01	GMA01		
D647	48T58583F01	1SS176		
or	48E02080S01	GMA01		
■ D648	48T58583F01	1SS176		
■ or	48E02080S01	GMA01		
Coils/Transformers				
L401	25E02085S01	Coil, Inductor 4.7μH		
L402	25E02346S01	Coil, Inductor 4.7μH		
● L403	25E03610S01	Coil, Inductor 100μH		
▲ L403	25E03610S01	Coil, Inductor 100μH		
● L404	25E03639S01	Coil, Inductor 1μH		
▲ L404	25E03639S01	Coil, Inductor 1μH		
■ L404	24E03927S01	Coil, Inductor 1μH		
L601	25E03640S01	Choke coil		
L602	25E02345S01	Coil, Inductor 1.2mH		
T401	24E01735S01	IFT5108		
T402	24E01736S01	IFT5109		
Filters/Thermistor				
● CF401	91E02255S01	CER., SFE10.7MS2K-A		
▲ CF401	91E02255S01	CER., SFE10.7MS2K-A		
■ CF401	91E02102S01	CER., SFE10.7MS3K1-A		
● CF402	91E02255S01	CER., SFE10.7MS2K-A		
▲ CF402	91E02255S01	CER., SFE10.7MS2K-A		
■ CF402	91E02102S01	CER., SFE10.7MS3K1-A		
CF403	91E02087S13	CER., KBR457HS		
■ CF404	91E01732S01	CER., B3ZN4503		
■ CF405	91E01732S01	CER., B3ZN4503		
■ CF406	91E03933S01	CER., BPF10828K		
TH401	48E02362S01	Thermistor, 100K ohm		
● Z401	08E03929S01	CR Net Work		
▲ Z401	08E03855S01	CR Net Work		
■ Z401	08E03855S01	CR Net Work		
Surge Protector/Crystal				
DSP401	48E02084S01	Surge protector, DSP-201M		
X601	48E03579S01	Crystal, 4.5MHz		

Note: ●:7282 Model only, ▲:7282E Model only, ■:7282L Model only, Others:Common

Symbol No.	Part No.	Description		
Capacitors				
C151	23E03775S01	ELY., 0.47μF/50V		
C152	23E03784S01	ELY., 4.7μF/25V		
C153	23E03513S01	ELY., 4.7μF/16V		
■ C166	21E03733S01	CER., 0.047μF		
C181	23E03513S01	ELY., 4.7μF/16V		
C182	23E03531S01	TAN., 1μF/16V		
C184	23E03513S01	ELY., 4.7μF/16V		
C251	23E03775S01	ELY., 0.47μF/50V		
C252	23E03513S01	ELY., 4.7μF/16V		
C253	23E03513S01	ELY., 4.7μF/16V		
■ C266	21E03733S01	CER., 0.047μF		
C281	23E03513S01	ELY., 4.7μF/16V		
C282	23E03531S01	TAN., 1μF/16V		
C284	23E03513S02	ELY., 4.7μF/16V		
● C301	23D44333G31	ELY., 100μF/16V		
▲ C301	23D44333G31	ELY., 100μF/16V		
■ C301	23T43247F30	ELY., 100μF/10V		
C302	23E02257S01	ELY., 22μF/10V		
▲ C303	23D44333G31	ELY., 100μF/16V		
■ C303	23D44333G31	ELY., 100μF/16V		
C331	23E03777S01	ELY., 330μF/16V		
C332	23E02257S01	ELY., 22μF/10V		
● C401	21E03729S01	CER., 0.022μF		
▲ C401	21E02087S01	CER., 0.1μF		
■ C401	21E02087S02	CER., 0.01μF		
C402	21E03729S01	CER., 0.022μF		
C403	21E03729S01	CER., 0.022μF		
C404	21E03729S01	CER., 0.022μF		
● C405	23E03778S01	ELY., 2.2μF/50V		
▲ C405	23T43247F05	ELY., 1μF/50V		
■ C405	23E03778S01	ELY., 2.2μF/50V		
C406	21E03732S01	CER., 100pF		
C407	23D44333G08	ELY., 10μF/16V		
C408	21E03729S01	CER., 0.022μF		
C409	21E03729S01	CER., 0.022μF		
C410	21E03731S01	CER., 33pF		
C411	21E02087S02	CER., 0.01μF		
● C412	23E03778S01	ELY., 22μF/50V		
▲ C412	23T43247F05	ELY., 1μF/50V		
■ C412	23T43247F05	ELY., 1μF/50V		
■ C413	23E03934S01	ELY., 22μF/10V		
C414	21E03729S01	CER., 0.022μF		
C415	23E03513S01	ELY., 4.7μF/16V		
C416	23T43247F30	ELY., 100μF/10V		
● C417	21C40133G13	CER., 220pF		
▲ C417	21E03732S01	CER., 220pF		
■ C417	21E03935S01	CER., 560pF		
C418	23E03784S01	ELY., 4.7μF/25V		
C419	21E03528S01	CER., 6800pF		
C420	21E03733S01	CER., 0.047μF		
C421	21E02087S02	CER., 0.01μF		
C422	21E03523S01	CER., 2200pF		
C423	21E02087S02	CER., 0.01μF		
C424	23E02257S01	ELY., 22μF/10V		
C425	21E03525S01	CER., 3300pF		
C426	21E03526S01	CER., 0.033μF		
C427	21E03522S01	CER., 15pF		
● C428	23T43247F02	ELY., 0.22μF/50V		

Symbol No.	Part No.	Description		
▲ C428	23T43247F02	ELY., 0.22μF/50V		
■ C428	23E03936S01	ELY., 0.22μF/16V		
C429	23T43247F05	ELY., 1μF/50V		
C430	23T43247F30	ELY., 100μF/10V		
C431	21E03528S01	CER., 6800pF		
● C432	23E03778S01	ELY., 2.2μF/50V		
▲ C432	23E03778S01	ELY., 2.2μF/50V		
■ C432	23E03937S01	ELY., 2.2μF/16V		
C433	23E03778S02	ELY., 2.2μF/50V		
● C434	21E03545S01	CER., 0.027μF		
▲ C434	21E03729S01	CER., 0.022μF		
■ C434	21E03938S01	CER., 3300pF		
● C435	21E03545S01	CER., 0.027μF		
▲ C435	21E03729S01	CER., 0.022μF		
■ C435	21E03938S01	CER., 3300pF		
C436	21E03729S01	CER., 0.022μF		
● C437	08E03677S01	PP., 0.056μF		
▲ C437	08E03856S01	PP., 0.068μF		
■ C437	23E03734S01	ELY., 0.15μF/50V		
● C438	21E03729S01	CER., 0.022μF		
▲ C438	21E03729S01	CER., 0.022μF		
● C439	23T43247F30	ELY., 100μF/10V		
▲ C439	23T43247F30	ELY., 100μF/10V		
C440	23D44333G08	ELY., 10μF/16V		
■ C442	23D44333G05	ELY., 4.7μF/25V		
■ C443	23D44333G05	ELY., 4.7μF/25V		
■ C444	23D44333G05	ELY., 4.7μF/25V		
■ C445	23D44333G08	ELY., 10μF/16V		
● C446	21E03526S01	CER., 0.033μF		
▲ C446	21E03526S01	CER., 0.033μF		
■ C446	21E03733S01	CER., 0.047μF		
C447	21E03517S01	CER., 56pF		
● C448	21E03857S01	CER., 4.7pF		
▲ C448	21E03857S01	CER., 4.7pF		
● C449	21E03858S01	CER., 100pF		
▲ C449	21E03858S01	CER., 100pF		
■ C449	21E03939S01	CER., 100pF		
■ C450	23E03778S01	ELY., 2.2μF/50V		
C601	21E02087S07	CER., 0.1μF		
C602	23E03778S03	ELY.,(B.P.)2.2μF/50V		
● C603	21E02087S02	CER., 0.01μF		
▲ C603	21E03729S01	CER., 0.022μF		
■ C603	21E03729S01	CER., 0.022μF		
C604	23T43247F30	ELY., 100μF/10V		
C605	21E03729S01	CER., 0.022μF		
C606	23T43247F30	ELY., 100μF/10V		
C607	23T43247F30	ELY., 100μF/10V		
C608	23D44333G08	ELY., 10μF/16V		
C609	23D44333G08	ELY., 10μF/16V		
C610	21E03521S01	CER., 12pF		
C611	21E03521S01	CER., 12pF		
C612	23D44333G49	ELY., 470μF/16V		
● C613	23D44333G24	ELY., 47μF/10V		
▲ C613	23D44333G24	ELY., 47μF/10V		
■ C613	23E03940S01	ELY., 1μF/50V		
● C614	23E03779S01	ELY., 220μF/6.3V		
▲ C614	23E03779S01	ELY., 220μF/6.3V		
C615	23E03779S01	ELY., 220μF/6.3V		
C616	21E03729S01	CER., 0.022μF		
C617	21E02087S02	CER., 0.01μF		

Note: ●:7282 Model only, ▲:7282E Model only, ■:7282L Model only, Others:Common

Symbol No.	Part No.	Description
C618	21E03729S01	CER., 0.022μF
C619	23D44333G08	ELY., 10μF/16V
C620	23D44333G08	ELY., 10μF/16V
■ C621	21E03592S01	CER., 0.068μF
■ C622	23E03778S03	ELY.,(B.P.) 2.2μF/50V
■ C623	23E03941S01	ELY., 0.33μF/16V
C624	21E02087S07	CER., 0.1μF
C625	23E03780S01	ELY., 0.1μF/50V
C626	23D44333G08	ELY., 10μF/16V
C627	21E02087S02	CER., 0.01μF
● C628	21E02087S02	CER., 0.01μF
▲ C628	21E03738S01	CER., 0.01μF
■ C628	21E02087S02	CER., 0.01μF
● C629	21E03738S01	CER., 0.01μF
▲ C629	21E03738S01	CER., 0.01μF
■ C629	21E02087S02	CER., 0.01μF
■ C630	21E02087S02	CER., 0.01μF
■ C631	21E03733S01	CER., 0.047μF
■ C632	23E03942S01	ELY., 33μF/6.3V
■ C636	21E02087S02	CER., 0.01μF
Resistors		
R635	06E03642S01	C.F., 91 ohm 1/2W
R636	06E03643S01	C.F., 330 ohm 1/2W
R639	06E03644S01	C.F., 68 ohm 1/2W
● R640	06E03645S01	C.F., 43 ohm 1/2W
▲ R640	06E03645S01	C.F., 43 ohm 1/2W
■ R640	06E03943S01	C.F., 47 ohm 1/2W
● R641	06E03645S01	C.F., 43 ohm 1/2W
▲ R641	06E03645S01	C.F., 43 ohm 1/2W
■ R641	06E03943S01	C.F., 47 ohm 1/2W
R642	06E03645S01	C.F., 43 ohm 1/2W
Volumes/Switch		
● VR401	18E03646S01	100K ohm
■ VR401	18E02366S01	47K ohm
VR402	18E02359S01	10K ohm
VR403	18E01724S01	220K ohm
VR404	18E02359S01	10K ohm
VR405	18E02366S01	47K ohm
▲ VR406	18E02366S01	47K ohm
■ VR406	18E01724S01	220K ohm
■ S601	40E03944S01	Switch,Memory Shift

Symbol No.	Part No.	Description
GT P.C.Board		
IC/Transistor/Diodes		
IC101	51T64606F01	IC, TA7705F
Q101	48T62967F03	TR.,CP., DTC124K
D101	48T44813F01	Diode, MA165TA
D104	48C40235G02	Diode, 10E2
Capacitors		
C101	08S53332F31	CP., 470pF
C102	08S53332F31	CP., 470pF
C103	08S53332F31	CP., 470pF
C104	08S53332F31	CP., 470pF
C105	23S61523F07	ELY., 47μF/6.3V
C106	23S61523F07	ELY., 47μF/6.3V
C107	23S61523F12	ELY., 10μF/16V
C108	08S53332F48	CP., 0.012μF
C109	08S53332F48	CP., 0.012μF
C110	23S61523F17	ELY., 4.7μF/25V
C111	23T82482F02	ELY., 100μF/16V
C112	23S61523F12	ELY., 10μF/16V
C114	23T82482F02	ELY., 100μF/16V
C115	08S53332F41	CP., 3300pF
C116	08S53332F41	CP., 3300pF
Resistors (All resistors are chip, 1/8W, ±5%, unless otherwise noted)		
R101	06S53330F32	130 ohm
R102	06S53330F32	130 ohm
R103	06S53331F14	330K ohm
R104	06S53331F14	330K ohm
R105	06S53330F81	15K ohm
R106	06S53330F81	15K ohm
R107	06S53330F78	11K ohm
R108	06S53330F78	11K ohm
R109	06S53330F89	33K ohm
R110	06S53330F94	51K ohm
R111	06S53331F02	100K ohm
R112	06S53330F89	33K ohm
R113	06S53331F01	91K ohm
R114	06S53330F85	22K ohm
R115	06S53330F29	100 ohm
R121	06S81094F09	M.F., 4.7 ohm 1/2W
R123	06S53330F85	22K ohm
R124	06S53330F53	1K ohm
R126	06S53330F89	33K ohm
R127	06S53330F29	100 ohm
R128	06S64995F85	22K ohm 1/16W

Note: ●:7282 Model only, ▲:7282E Model only, ■:7282L Model only, Others:Common

Symbol No.	Part No.	Description		
Display P.C.Board				
Diodes/LED's				
D801	48T58583F01	Diode, 1SS176		
LD802	48E03694S01	LED, BG4524K(Green)		
LD803	48E03694S01	LED, BG4524K(Green)		
LD804	48E03694S01	LED, BG4524K(Green)		
Lamps				
● PL801	65E03696S01	Pilot, 12V-50mA		
▲ PL801	65E03859S01	Pilot, 12V-50mA		
■ PL801	65E03696S01	Pilot, 12V-50mA		
PL802	65E03697S01	Pilot, 6V-65mA		
PL803	65E03697S01	Pilot, 6V-65mA		
● PL804	65E03698S01	Pilot, 6V-65mA		
▲ PL804	65E03698S01	Pilot, 6V-65mA		
● PL805	65E03698S01	Pilot, 6V-65mA		
▲ PL805	65E03698S01	Pilot, 6V-65mA		
■ PL805	65E03696S01	Pilot, 12V-50mA		
PL806	65E03698S01	Pilot, 6V-65mA		
Volumes				
VR355	18E03699S01	Slide, 200K ohm×2 (TREBLE)		
VR356	18E03700S01	Slide.100K ohm×2 (BASS)		
Switchs				
S801	40E02358S01	Tact (MEMORY)		
S802	40E02358S01	Tact (DOWN)		
S803	40E02358S01	Tact (UP)		
S804	40E02358S01	Tact (SEEK/TUNE)		
S805	40E02358S01	Tact (CLOCK)		
S806	40E02358S01	Tact (M6)		
S807	40E02358S01	Tact (M5)		
S808	40E02358S01	Tact (M4)		
S809	40E02358S01	Tact (M3)		
S810	40E02358S01	Tact (M2)		
S811	40E02358S01	Tact (M1)		
S812	40E02358S01	Tact (BAND)		
S813	40E02358S01	Tact (STEREO)		
S814	40E02358S01	Tact (DX)		
Volume P.C.Board				
IC/Diode				
IC302	51E03533S01	IC, LA6458S		
IC303	51E00269S01	IC, M5218L		
D321	48T58583F01	Diode, 1SS176		

Symbol No.	Part No.	Description		
Capacitors				
C131	21E03729S01	CP., 0.022μF		
C132	21E03729S01	CP., 0.022μF		
C133	21E03495S01	CP., 1200pF		
C134	21E03729S01	CP., 0.022μF		
C135	21E03494S01	CP., 47pF		
C136	23D44333G05	ELY., 4.7μF/25V		
C141	23E03784S01	ELY., 4.7μF/25V		
C142	21E03495S01	CP., 1200PF		
C143	21E03728S01	CP., 560pF		
C144	23E03513S01	ELY., 4.7μF/16V		
C231	21E03729S01	CP., 0.022μF		
C232	21E03729S01	CP., 0.022μF		
C233	21E03495S01	CP., 1200pF		
C234	21E03729S01	CP., 0.022μF		
C235	21E03494S01	CP., 47pF		
C236	23D44333G05	ELY., 4.7μF/25V		
C241	23E03784S01	ELY., 4.7μF/25V		
C242	21E03495S01	CP., 1200pF		
C243	21E03728S01	CP., 560pF		
C244	23E03513S01	ELY., 4.7μF/16V		
C321	23E02257S01	ELY., 22μF/10V		
C322	23E03705S01	ELY., 100μF/16V		
Resistors(All resistors are chip,1/8W,±5%,unless otherwise noted)				
R131	06S53330S85	22Kohm		
R132	06S53330S85	22Kohm		
R133	06E03964S01	10Kohm 1/4W		
R134	06E03965S01	6.8Kohm 1/4W		
R135	06E03965S01	6.8Kohm 1/4W		
R136	06E03966S01	1Mohm		
R137	06E03964S01	10Kohm 1/4W		
R138	06E03967S01	8.2Kohm 1/4W		
R141	06E03964S01	10Kohm 1/4W		
R142	06E03963S01	13Kohm		
R143	06E03963S01	13Kohm		
R144	06E03968S01	100Kohm		
R231	06S53330S85	22Kohm		
R232	06S53330S85	22Kohm		
R233	06E03964S01	10Kohm 1/4W		
R234	06E03965S01	6.8Kohm 1/4W		
R235	06E03965S01	6.8Kohm 1/4W		
R236	06E03966S01	1Mohm		
R237	06E03964S01	10Kohm 1/4W		
R238	06E03967S01	8.2Kohm 1/4W		
R241	06E03964S01	10Kohm 1/4W		
R242	06E03963S01	13Kohm		
R243	06E03963S01	13Kohm		
R244	06E03968S01	100Kohm		
R321	06E03968S02	100ohm 1/4W		
R322	06E03970S01	51Kohm		
R323	06E03971S01	56Kohm		
Volume				
VR351, VR352, VR353, VR354, S301	18E03647S01	Volume Control (Volume,Balance Fader Power Switch)		

Note: ●:7282 Model only, ▲:7282E Model only, ■:7282L Model only, Others:Common

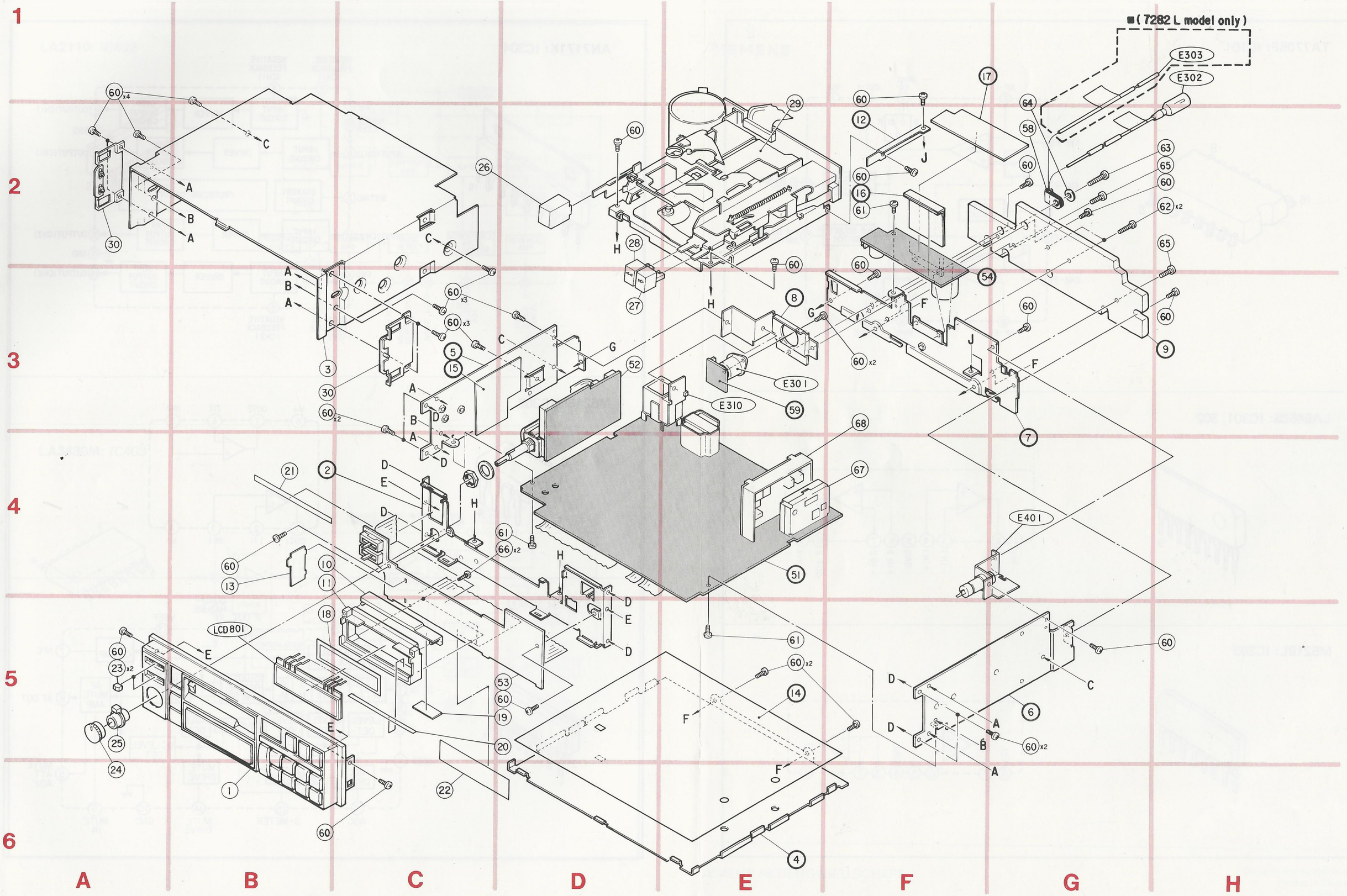
Symbol No.	Part No.	Description
Power Amp P.C.Board		
IC		
IC304	51T62339F01	AN7171K
Capacitors		
● C161	23E03524S01	CER., 2700pF
▲ C161	23E03524S01	CER., 2700pF
■ C161	21E04005S01	CER., 1000pF
C162	23T43247F30	ELY., 100μF/10V
C163	08E03648S01	PP., 0.012μF
C164	08E02105S01	Film, 0.22μF
C165	08E02105S01	Film, 0.22μF
● C261	23E03524S01	CER., 2700pF
▲ C261	23E03524S01	CER., 2700pF
■ C261	21E04005S01	CER., 1000pF
C262	23T43247F30	ELY., 100μF/10V
C263	08E03648S01	PP., 0.012μF
C264	08E02105S01	Film, 0.22μF
C265	08E02105S01	Film, 0.22μF
C341	23E03781S01	ELY., 220μF/16V
C342	23E03782S01	ELY., 3900μF/16V
C343	23E03783S01	ELY., 1000μF/16V
C344	21E03519S01	CER., 0.1μF
Miscellaneous Parts		
E301	09E03653S01	Output DIN Connector
E302	30E03668S01	Alarm Lead
■ E303	30E04006S01	Memory Back Up Lead
E310	01E03999S01	Speaker Output/ Power Supply/ Connector
E401	01E03652S01	Antenna Receptacle
HD101	88T50997F01	Head, Playback
● LCD801	65E03695S01	LCD, LU1315
▲ LCD801	65E03695F01	LCD, LU1315
■ LCD801	65E03949S01	LCD, LU1304
M101	01V81200F64	ASSY., Motor
S101	40T52216F01	Switch, Micro (Pack in)
S102	40T63432F01	Switch, Slide (REV/FWD)
S103	40T71025F03	Switch, Detector (METAL)
S104	40T71025F01	Switch, Detector (MUTE)
SD101	01T80451F01	ASSY., Keep Solenoid

Cabinet Assembly Parts List

Symbol No.	Index	Part No.	Description
● 1	6-B	13E03538S01	ASSY., Nosepiece(7282)
▲ 1	6-B	13E03536S01	ASSY., Nosepiece(7282E)
■ 1	6-B	13E03537S01	ASSY., Nosepiece(7282L)
3	3-B	15E03558S01	Cover, Top
10	4-B	61E03568S01	Lens, Door Lighting
11	4-B	15E03659S01	Case, LCD
13	4-B	07E03661S01	Plate, LCD Earth
18	5-B	64E03665S01	Plate, LCD Diffusing
19	5-D	26E03666S01	Seal, Shield
20	5-D	43E03667S01	Spacer, LCD
21	4-B	26E03846S01	Plate, Terminal Shield
22	6-C	14E03847S01	Insulator, Terminal
23	5-A	36A82492F01	Knob Slide
24	6-A	38A82546F01	Knob Control (Front)
25	5-A	36A82547F01	Knob Control (Back)
26	2-C	36B82486F01	Knob Eject
27	3-D	36B82487F01	Knob FF
28	2-D	36B82488F01	Knob REW
29	2-E	01U80000F91	Cassette Deck (GT75B01A)
30	2-A	07A80815F01	ASSY., Bracket Stopper
52	3-D	01E03850S01	ASSY., Volume P.C.Board
53	5-D	01E03849S01	ASSY., Display P.C.Board
58	2-G	42E03654S01	Cord, Clamp
60	1-A	03E03669S01	Screw, Tapping (M2.6×5)
61	4-D	03E03669S02	Screw, Tapping (M2.6×5)
62	2-H	03E03670S01	Screw, Tapping (M2.6×10)
63	2-H	03E03673S01	Screw, Tapping (M3×12)
64	1-G	04E03674S01	Washer, Flat (M3)
65	2-H	03E03675S01	Screw, Tapping (M3×8)
66	4-D	03E03676S01	Screw,Tapping (M2×6)
● 67	4-F	77E03650S01	FM Tuner(TFFE 20131A)(FE401)
▲ 67	4-F	77E03650S01	FM Tuner(TFFE 20131A)(FE401)
■ 67	4-F	77E04024S01	FM Tuner(TFFR 2U130B)(FE401)
● 68	3-F	77E03651S01	AM Tuner(TFAD 3M117A)(FE402)
▲ 68	3-F	77E03651S01	AM Tuner(TFAD 3M117A)(FE402)
■ 68	3-F	77E03995S01	LW/MW Tuner (TFAD 3L115A) (FE402)

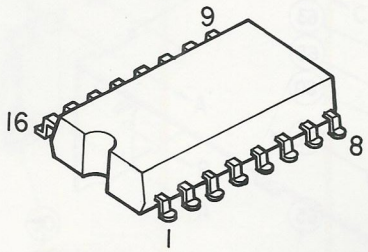
Note: ●:7282 Model only, ▲:7282E Model only, ■:7282L Model only, Others:Common
The parts without part numbers are not supplied.

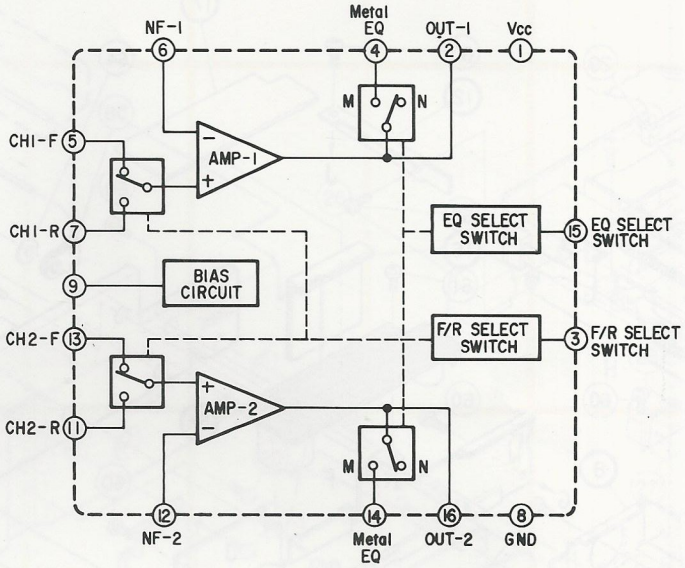
Exploded View (Cabinet)



Semi-Conductor Lead Identifications

TA7705F: IC101





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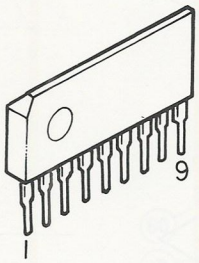

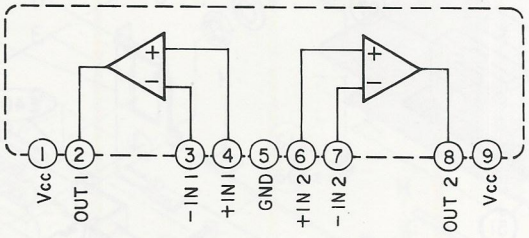

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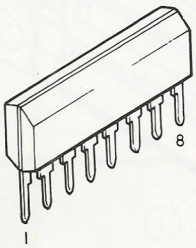
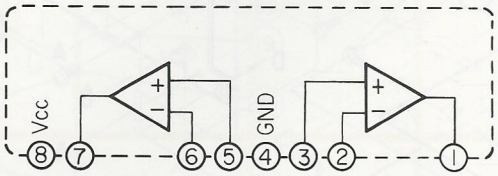
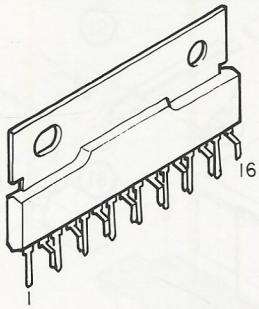
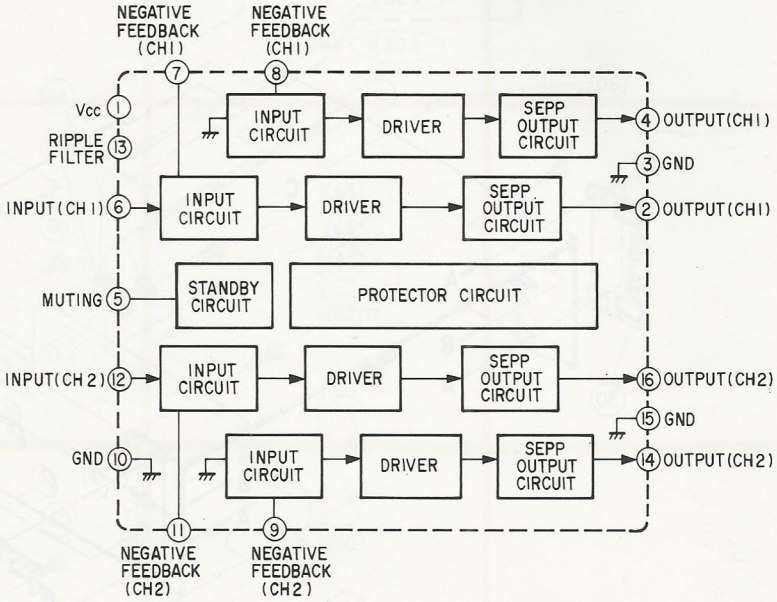




AN7171K: IC304





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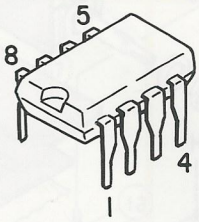
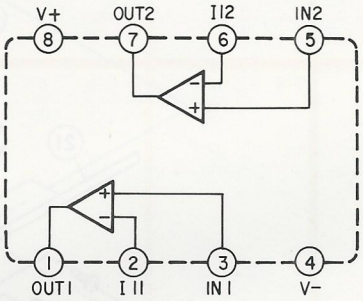
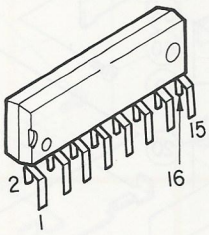
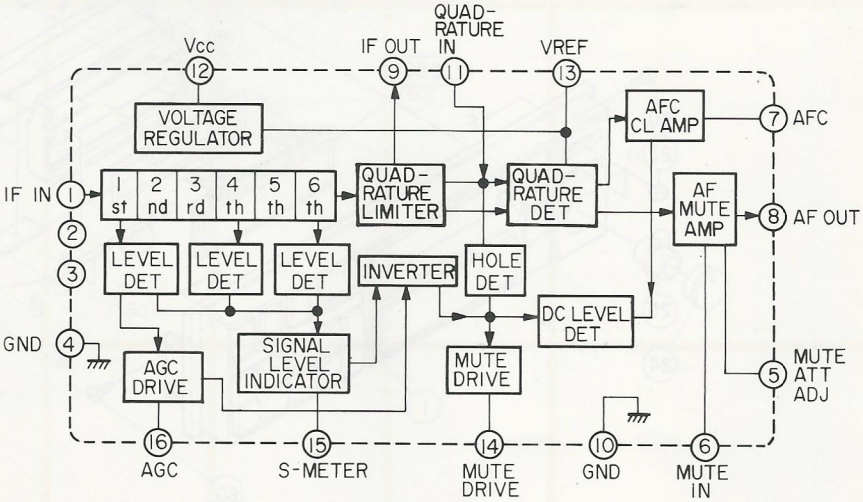


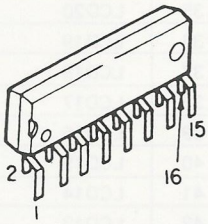


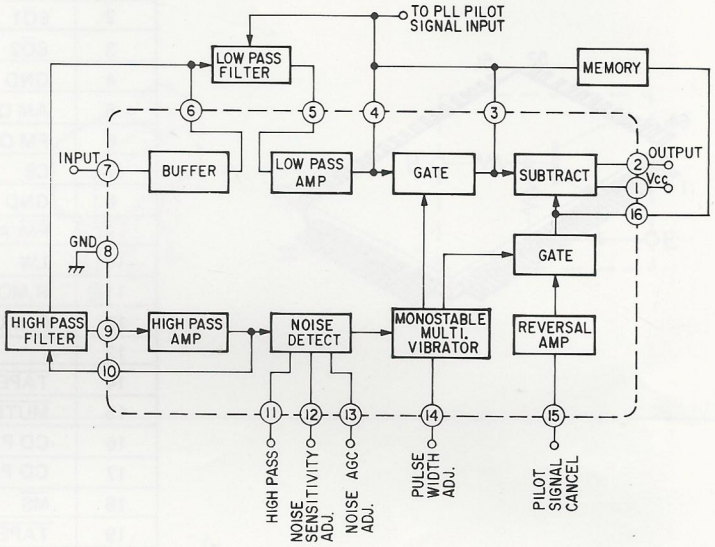
LA1140B: IC401



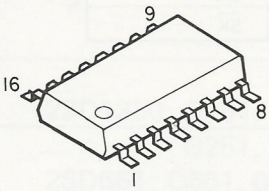


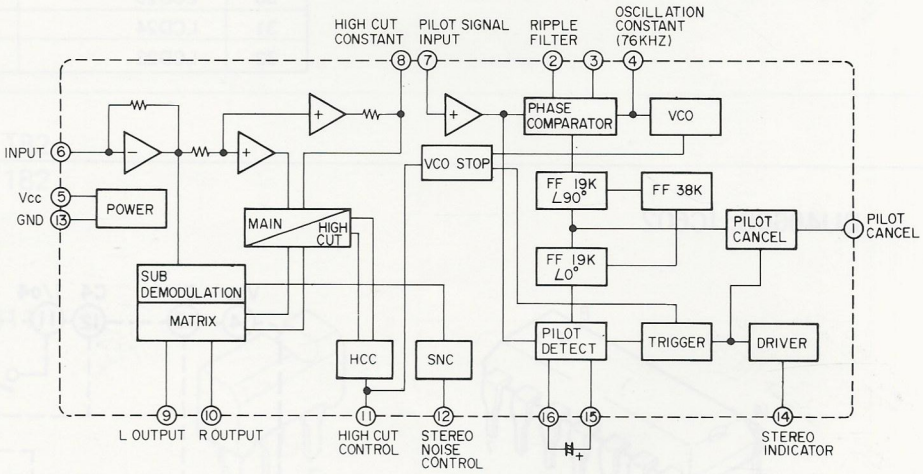
LA2110: IC402



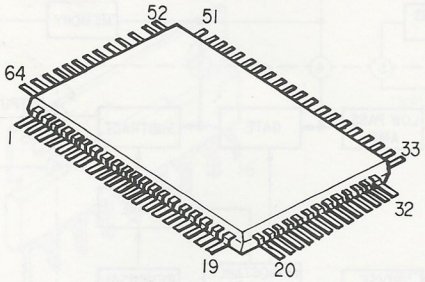


LA3430M: IC403



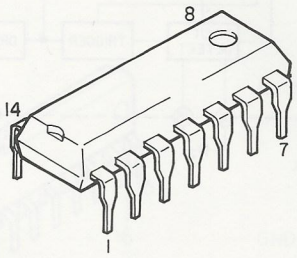


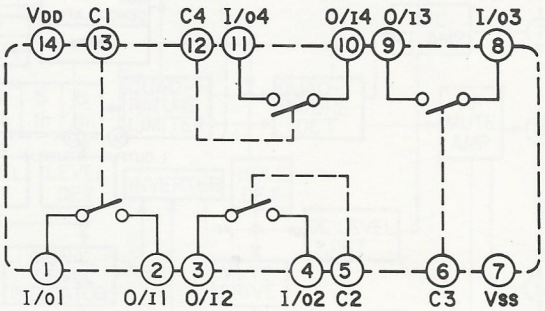
81985F05 : IC601



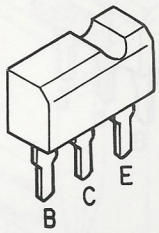
Pin No.	Cord Address	Pin No.	Cord Address
1	N.C	33	LCD22
2	$E\overline{O}1$	34	LCD21
3	$E\overline{O}2$	35	LCD20
4	GND	36	LCD19
5	AM OSC	37	LCD18
6	FM OSC	38	LCD17
7	CE	39	LCD16
8	GND	40	LCD15
9	$\overline{FM}$/AM	41	LCD14
10	LW	42	LCD13
11	R.MONI (SDK)	43	LCD12/KS12
12	Pow CONT	44	LCD11/KS11
13		45	LCD10/KS10
14	$\overline{TAPE}$/RADIO	46	LCD9/KS9
15	$\overline{MUTE}$	47	LCD8/KS8
16	CD PAUSE	48	LCD7/KS7
17	CD PLAY	49	LCD6/KS6
18	$\overline{MS}$	50	LCD5/KS5
19	$\overline{TAPE\ PAUSE}$	51	LCD4/KS4
20	$\overline{STEREO}$	52	LCD3/KS3
21	LOC/DX	53	LCD2/KS2
22	$\overline{Dolby\ C}$	54	LCD1/KS1
23	$\overline{Dolby\ B}$	55	LCD0/KS0
24	$\overline{XO}$	56	COM0
25	XI	57	COM1
26	VDD	58	VDD
27	$\overline{LOUD}$	59	K3
28	LCD27	60	K2
29	LCD26	61	K1
30	LCD25	62	K0
31	LCD24	63	SA
32	LCD23	64	$\overline{SK}$

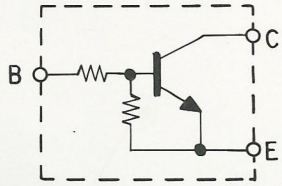
BU4066B: IC602



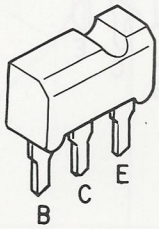


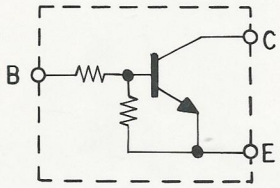
DTC124EF: Q402, 607
DTC144EF: Q605
DTC114EF: Q613, 618



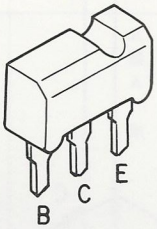


UN1212: Q402, 607
UN1213: Q605
UN1211: Q613, 618



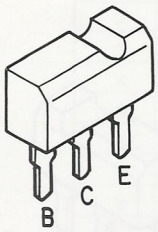


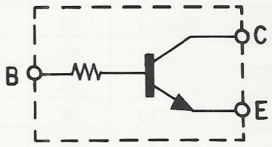
2SD1330: Q151, 181, 182
Q251, 281, 182
2SD661: Q601, 602
■Q605, 616
2SD973A: Q603
▲● Q609 ~ 611
2SB641: Q604
2SB643: Q606
2SD636. Q608



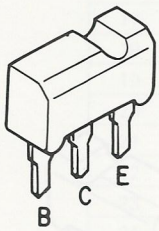
Note : ● : 7282 Model only, ▲ : 7282E Model only, ■ : 7282L Model only, Others Common

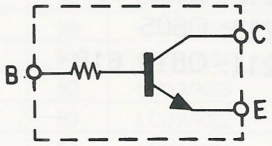
DTC114TF: Q401, 403
●Q612
▲Q614, 617



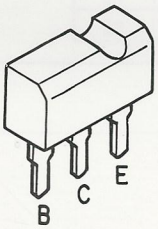


UN1215: Q401, 403
●Q612
▲Q614, 617

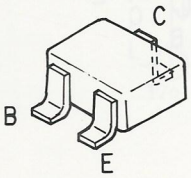


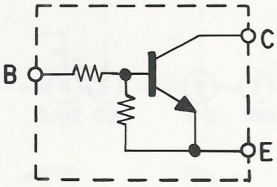


2SC2021: ■Q404, 612

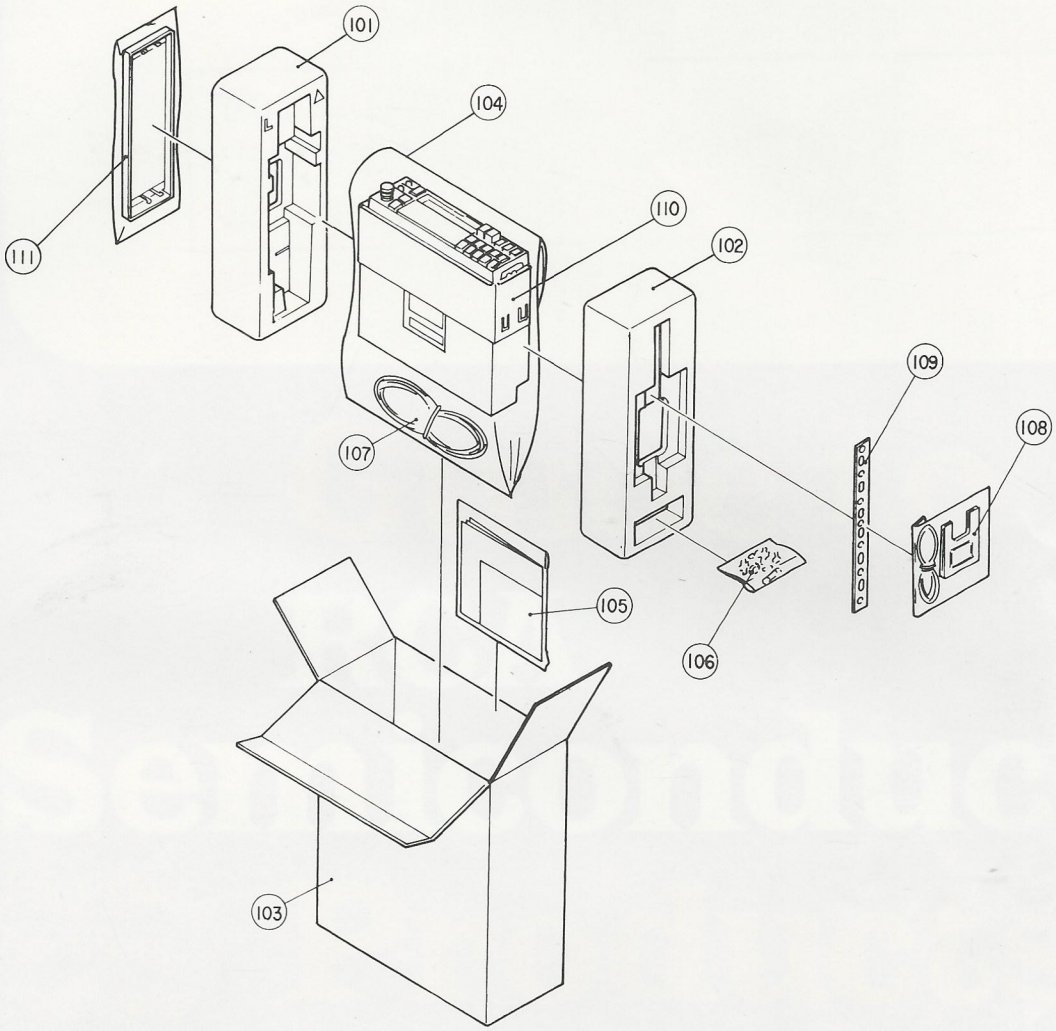


DTC124K : Q101





Packing Method View



Packing Assembly Parts List

Symbol No.	Part No.	Description		
101	56E03540S01	Tray, Packing (L)		
102	56E03541S01	Tray, Packing (R)		
● 103	56E03887S01	Carton, Packing		
▲ 103	56E03886S01	Carton, Packing		
■ 103	56E03945S01	Carton, Packing		
104	56E02227S03	Sack, Polyethylene		
● 105	68P81880F10	Owner's Manual		
▲ 105	68P81880F26	Owner's Manual		
■ 105	68P81880F25	Owner's Manual		
106	01V00206S01	ASSY., Kit Installation		
▲ 106-1	02B47353F01	Nut, Hex. (M5×0.8)		
■ 106-1	02B47353F01	Nut, Hex. (M5×0.8)		
▲ 106-2	03B44963F03	Bolt, Hex.W/Washer (M5×10)		
■ 106-2	03B44963F03	Bolt, Hex.W/Washer (M5×10)		
▲ 106-3	03S63857F05	Screw, Tapping(M5×15)		
■ 106-3	03S63857F05	Screw, Tapping(M5×15)		

Symbol No.	Part No.	Description		
▲ 106-4	03S52360F37	Screw, Countersink(M4×8)		
■ 106-4	03S52360F37	Screw, Countersink(M4×8)		
▲ 106-5	45A41684U01	Arm Adaptor		
■ 106-5	45A41684U01	Arm Adaptor		
▲ 106-6	46A42363F01	Stud Bolt		
■ 106-6	46A42363F01	Stud Bolt		
▲ 106-7	65A40348G01	Fuse, 5A (For Acc Power Lead)		
■ 106-7	65A40348G01	Fuse, 5A (For Acc Power Lead)		
107	01E03622S01	ASSY., Wire Kit		
108	01V00205S01	ASSY., Bracket Hand & Wire Kit		
108-1	01T62343F01	ASSY., Earth Wire		
108-2	07A80820F01	Bracket, Hand		
109	07B64552F01	Bracket, Strap Receiver		
110	15C80814F01	Inner Case		
111	33B81462F01	Face Plate		

Note : ● : 7282 Model only, ▲ : 7282E Model only, ■ : 7282L Model only, Others Common