Adjustment method MODEL : MX-3800

■ Measurement instruments required for adjustment

1 Low frequency oscillator
This oscillator should have a capacity to output 0dBs to 600Ω at an oscillation frequency of 50Hz-20KHz

2 Electronic voltmeter
3 Distortion meter
4 Frequency counter
5 Wow & flutter meter
6 Test tape
TCC-112 : Tape speed and running unevenness (3KHz)
TCC-140 : Reference level (1KHz)
TCC-182A : Head angle (8KHz) , playback frequency characteristics (1KHz) and dubbing frequency characteristics (125Hz and 8KHz)
Because of frequency - mixed tape with 63 , 1 , 10 and 14KHz (250nWb/m -24dB) , use this tape together with a filter .
7 Black tape
TYPE I : AC - 225
TYPE II : AC - 514
8 Torque gauge : For play and back tension
FWD(TW2111A) , REV(TW2121a) and FF/REW(TW2231A)

■ Measurement conditions

Power supply voltage -------- AC 120V (60Hz)/230V (50Hz)
Reference output ---------- Speaker : 1.414V/4Ω
Headphone : 0.18V/32 Ω
Reference frequency and ----- 1KHz , AUX : 450~500mV input level
Input for confirming recording and ------- AUX : -28dBs playback characteristics
Measurement output terminal --- Speaker SPJ601 OR SPJ603
* Load resistance ---------- 4Ω

■ Radio Input signal

AM frequency ---------- 400Hz
AM modulation ---------- 30%
FM frequency ---------- 1 KHz
FM frequency deviation ---------- 22.5KHz

● Tuner section

Voltage applied to tuner ---------- +B:DC 4.5V
VT:DC 12V
Reference measurement ----- 1.414V/4Ω output
Input positions ----- AM : Standard loop antenna
FM : FMANT (hot) and D102 (GND)

● Standard measurement position of volume

Active hoper EQ ----------FLAT
Up and down adjustment of volume ----- Vol : 31

Precautions for measurement

1 Apply 47PF and 33 Kohm to the IF sweeper output side and 0.1UF and 100 Kohm in series to the sweeper input side .
2 The IF sweeper output level should be made as low as possible within the adjustable range .
3 Since the IF sweeper is a fixed device , there is no need to adjust this sweeper .
4 Since a ceramic oscillator is used , there is no need to perform any MIX adjustment .
5 Since a fixed coil is used , there is no need to adjust the FM tracking .
6 The input and output earth systems are separated . In case of simultaneously measuring the voltage in both of the input and output systems with an electronic voltmeter for two channels , therefore , the earth should be connected particularly carefully .
7 In the case of BTL connection amp. , the minus terminal of speaker is not for earthing . Therefore , be sure not to connect any other earth terminal to this terminal . This system is of an BTL system .
8 For connecting a dummy resistor when measuring the output , use the wire with a greater code size .
9 Whenever any mixed tape is used , use the band pass filter (DV-12V)

1 HEAD AZIMUTH ADJUSTMET

(1) Load the test tape TCC-182A 8KHz for azimuth adjustment.
(2) Press the PLAY button.
(3) Use a cross-tip screwdriver to turn the screw for azimuth adjustment so that the left and right output are maximized
(4) Press the STOP button
(5) After completion of the adjustment. Use thread lock(TB-1401B) to secure the azimuth-adjustment screw.

2 AC BIAS FREQUENCY ADJUSTMENTS

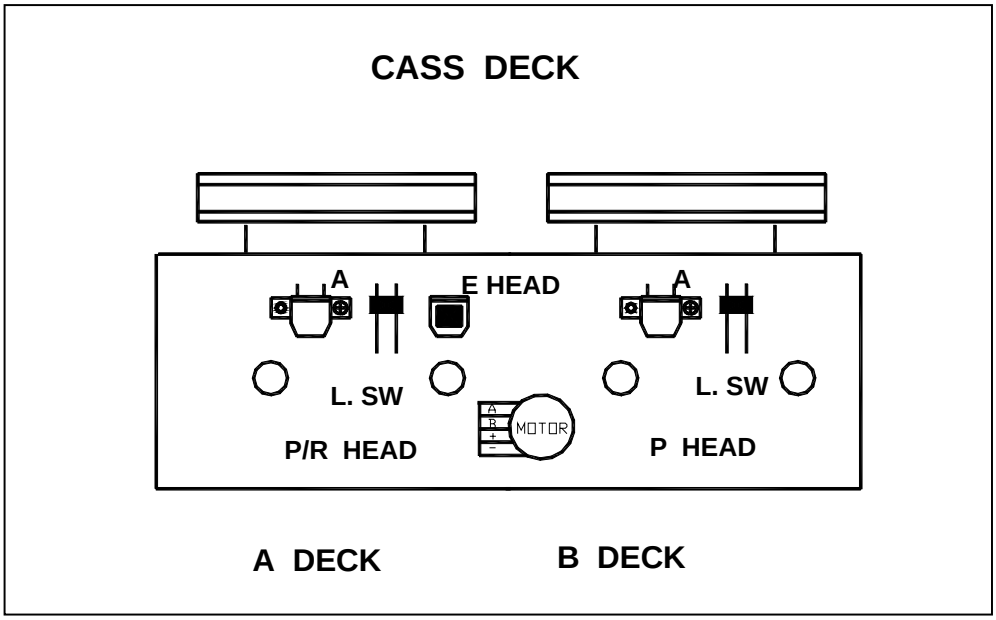
(1) Connect frequency counter to SW301(PIN1);
(2) R/P swith in recording state;
(3) Adjusting T301 use a plastic screwdriver, AC bias frepuency;60+-1KHZ..

3 TAPE SPEED ADJUSTMENT

(1) Insert the test tape(MTT-111N,3,000 HZ)
(2) Press the PLAY button.
(3) Use a flat-tip screwdriver to turn the VR 301.

adjust VR501 so that the frequency counter become 3,000Hz

TAPE HEAD AND SPEED ADJUSTMENT DIAGRAM



■ Tape recorder section

Items	Measurement conditions	Measrrnment methed	Standard Values	Adjusting] positions
Confirmation of head angle	Test tape :TA-182A(8KHz) Measurement output terminal :Speaker terminal Sperker R (Load resistance:4Ω) :Headphone terminal	1 Playback the test tape TCC-182A (8KHz) 2 With the recording & playback mechanism, adjust the head azimuth screw so that the left and right output levers become maximum, After adjustment, lock the head azimuth at least by half turn.	Maximum output	Adjust the head azimuth screw only when the head has been changed
Confirmation of tape speed	Test tape :TCC-112(3000Hz) Measurement output terninal :Headphone terminal	Adjust VR301 so that the frequrncy counter reading becomes 3,010Hz +/-15Hz when playing back the test tape TCC-112 (3000Hz) with playback and recording mechanism after ending forward winding if the taoe.	Tape speed of deck :3,010Hz +/-15Hz	VR301

■ Reference Values for Confirmation Items

ITEMS	Measurement conditions	Measrrnment methed	Standard Values	Adjusting] positions
Wow & flutter	Test tape :TCC-112(3000Hz) Measurement outut terminal :Headphone terminal	When the test tape TCC-112 (3000Hz) has been played back with the recording and playback mecganism at the beginning of forward winding, the frequency counter reading of wow & flutter should be 0.25% or less (WRMS).	0.25% or less (WRMS)	

■ Electrical Performance

ITEMS	Measurement conditions	Measrrnment methed	Standard Values	Adjusting] positions
Adjustment of recording bias current (Reference Value)	• Mode:Forward or reverse mode • Recording mode • Test tape TDK-60 Measurement output termial :Both recording and headphone terminals	1 With the recording and playback mechanism, load thd test tapes TDK-60 , and set the mechanism to the recording and pausing condition in advance . 2 After connecting 100Ω in series to the recorder head, measure the bias current with a valve voltmeter at both of the terminals	4.5 μA +/-0.5 μA	

Adjustment of recording and playback frequency characteristics	Reference frequency :1KHz and 8KHz (REF.:-20dB) Test tape TDK-60 Measurement input terminal :OSC IN	1 with the recording and playback mechanism, load the test tapes (TDK-60) and set the mechanism to the recording and pausing condition in advance 2 While repetitively inputting the reference frequency signal of 1KHz and 10KHz from OSC IN, record and playback the tape.	Output deviation between 1KHz and 8KHz :-1dB +/-2dB	

■ Reference Values for Electrical Function Confirmation Items

Items	Measurement conditions	Measrrnment methed	Standard Values	Adjusting] positions
Recording bias frequency	Forward or reverse ・Test tape TDK-60 ・Measurement terminal : BIAS TP on P.C. board	1 While changing over to and form BIAS 1 and 2, confirm that the frequency is changed 2 With the recording and playback mechanism, load the test tape. (TDK-60) , and set the mechanism to the recording and pausing condition in advance. 3 Confirm that the BIAS TP frequency on the P.C. board is 60KHz +/-1KHz	60KHz +/-1KHz	

Flow of functional operation until TOC read

Power ON → Power Key → Slider turns REST SW ON.

Check Point: Check that the voltage at the pin 100 of IC501 is OV (a moument)?

Slider turns REST SW ON. → Automatic tuning of TE offset

Automatic tuning of TE offset → Laser ON

Laser ON → Check that the voltage at the pin1 of IC503 + side is + 5V?

Laser ON → Detection of disc

Detection of disc → Automatic tuning of Focus offset

Automatic tuning of Focus offset → Automatic measurement of

Automatic measurement of → Confirm that the Focus error s-cuve signal at the pin16 of IC503 is approx.2V p-p

Automatic measurement of → Disc is rotated

Disc is rotated → Confirm that the signal from pin55 IC501 is 0V as a accelerated pulse during approx.400ms

Disc is rotated → Focus servo ON (Tracking servo ON)

Focus servo ON (Tracking servo ON) → Automatic measurement of

Automatic measurement of → Confirm the waveform of the Tracking error signal at the pin49 of IC501 (R521) (See fig-1)

Automatic measurement of → Automatic tuning of Tracking error balance

Automatic tuning of Tracking error balance → Automatic tuning of Focus error balance

Automatic tuning of Focus error balance → Automatic tuning of Focus error gain

Automatic tuning of Focus error gain → Automatic tuning of Tracking error gain

Automatic tuning of Tracking error gain → TOC reading

TOC reading → Confirm the eys-pattern at the lead of TP1

TOC reading → Play a disc

■ Tracking error waveform at TOC reading

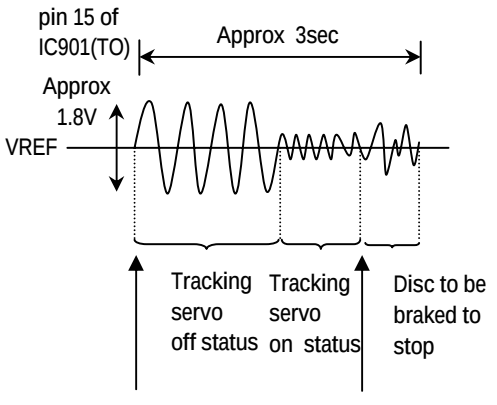


Fig.1

TUNER ADJUSTMENTS

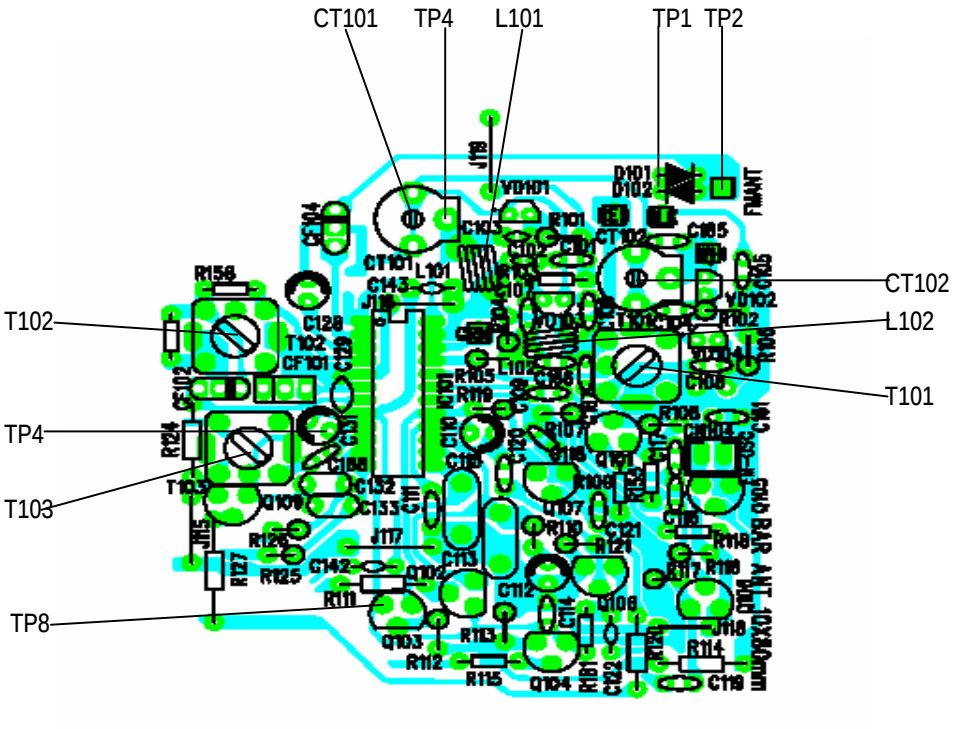
use a plastic screw driver for adjustments.

Adjust the intermediate frequency of AM and FM to the frequency of ceramic filter.

Supply voltage : DC 12.0 V

Speaker impedance : 4 OHMS

Function switch : RADIO

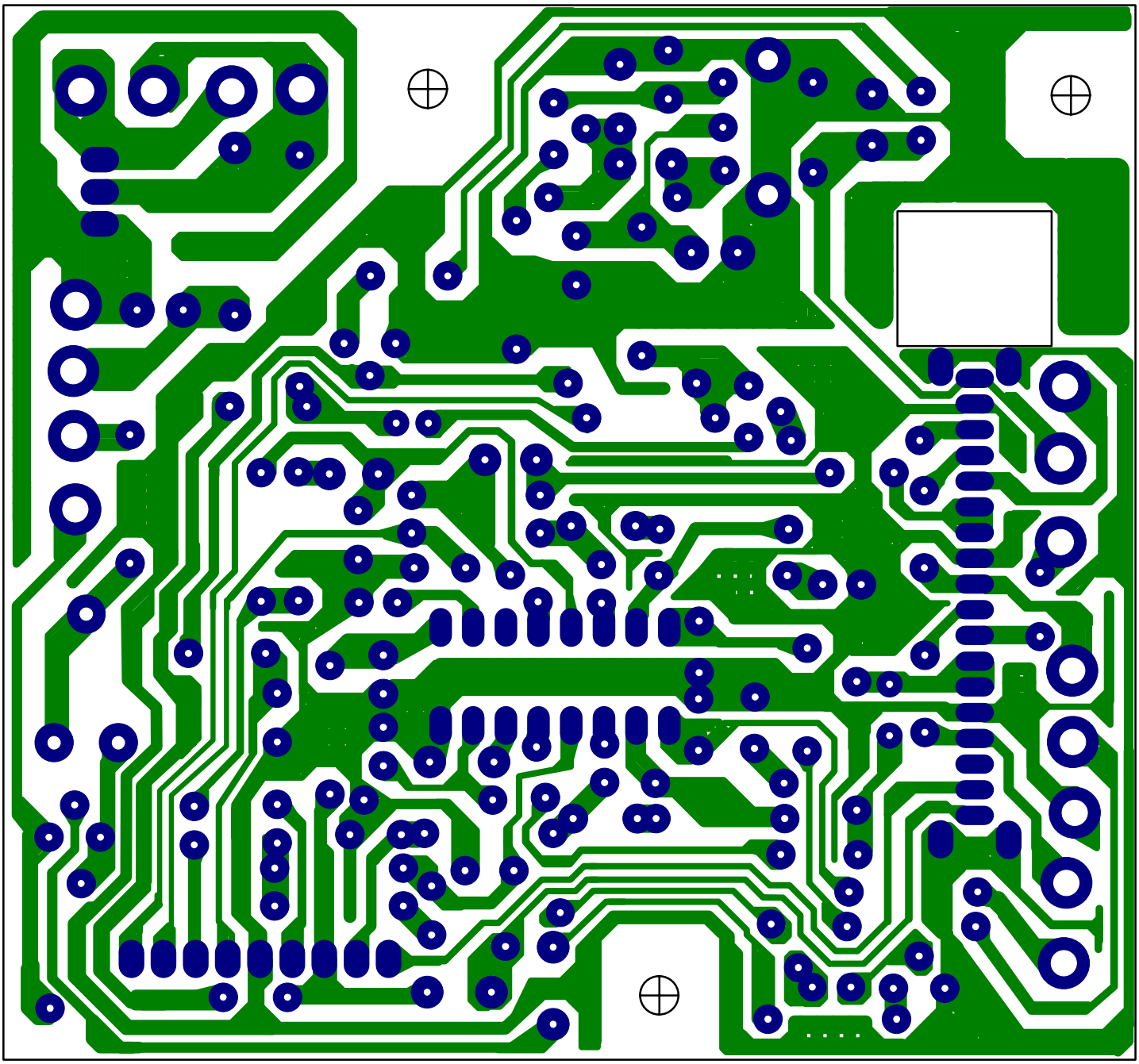


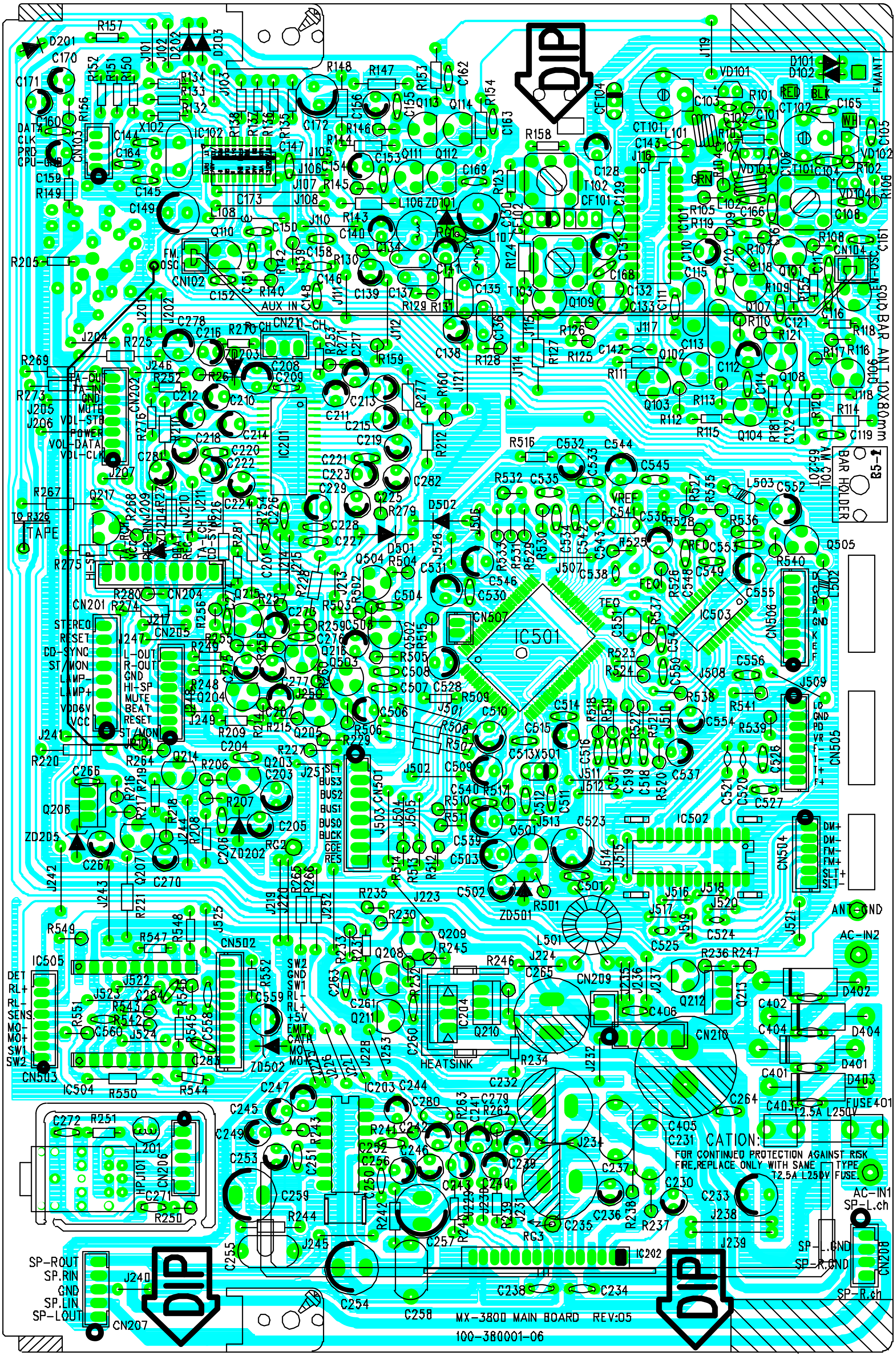
a. AM Adjustment BAND SELECT TO : MW

step	Adjusting circuit	Tuning Frequency	Input Connection		Output Connection		Adjustment parts	Oscilloscope and VTVM
			Measurement	input	Measurement	output		
1	IF (450KHz)	999KHz 1000 KHz	AM Sweep Generior	AM ANT	VTVM Oscilloscope	TP4(H) TP8(E)	T102	(Non-adjustment)
2	Tuning Coverage	522~1620KHz	AM Signal Generior	AM ANT	Digital Voltmeter Oscilloscope	TP4(H) TP8(E)	T101	Low END
3		520~1710KHz						Confirm 1.8V +/-0.1V
4		603/600 KHz	AM Signal Generior	AM ANT	VTVM Oscilloscope	TP4(H) TP8(E)	AM COIL CT102	Maximum
5		1404/1400 KHz						

b. FM Adjustment BAND SELECT TO : FM FM Dummy Antenna : 75 ohm unbalance

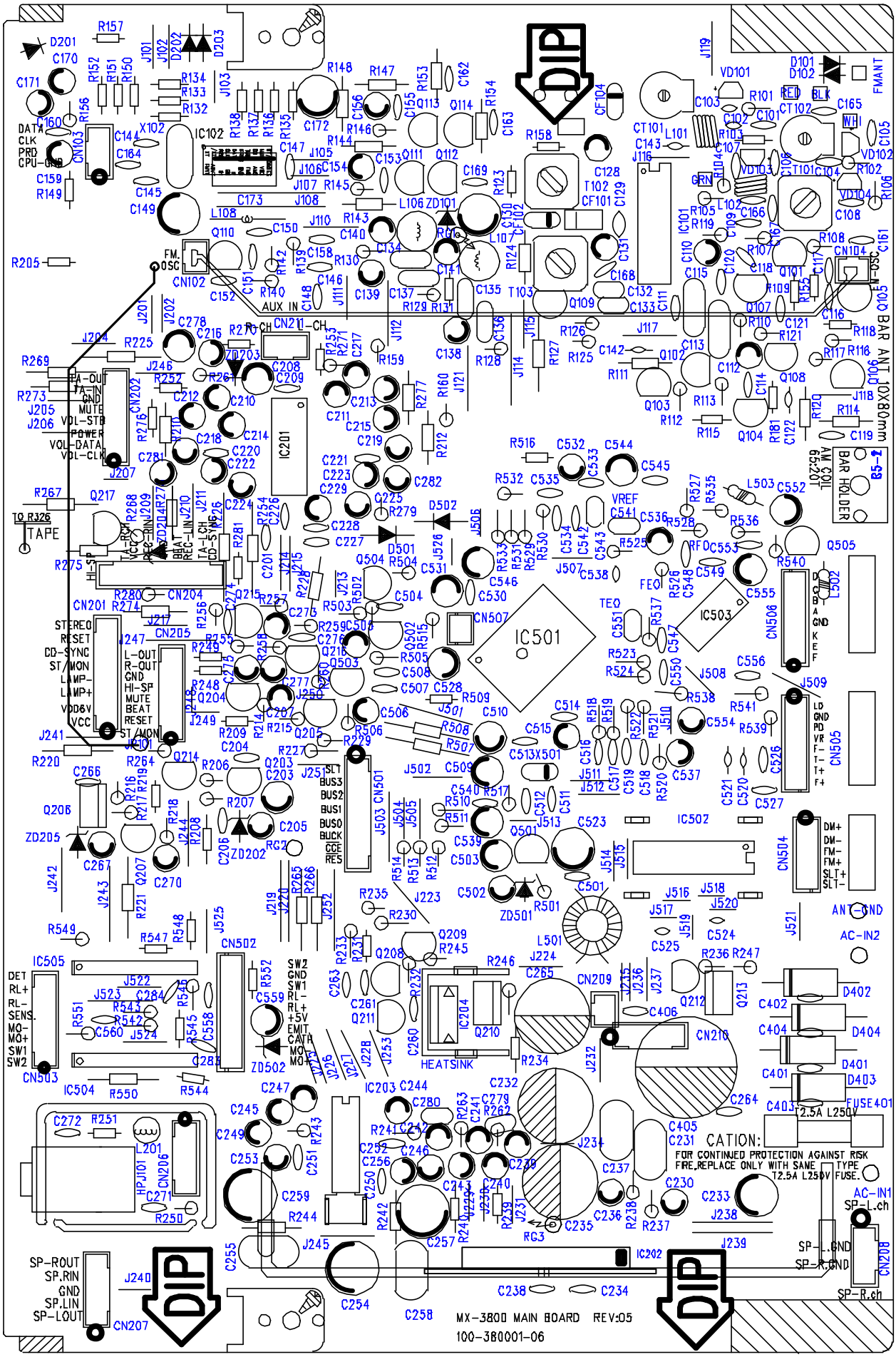
ste	Adjusting circuit	Tuning Frequency	Input Connection		Output Connection		Adjustment parts	Oscilloscope and VTVM
			Measurement	input	Measurement	output		
1	IF (10.7 MHz)	98.0 MHz	FM Sweep Generator	TP4(E) TP4(H)	Oscilloscope	TP4(H) TP8(E)	T103	(Non-adjustment)
2	Tuning Coverage	87.5 MHz	FM Signal Generator	FM ANT TP1 (E) TP2(H)	Digital Voltmeter Oscilloscope	TP4(H) TP8(E)	L102	Low END
3		108 MHz						Confirm 1.8 +/-0.1V
4	Tracking	90.0 MHz	FM Signal Generator	FM ANT TP1 (E) TP2(H)	VTVM Oscilloscope	TP4(H) TP8(E)	L101 CT101	Maximum
5		106.0 MHz						





08/OCT/2002

3800main3F-5W.pcb - Thu Oct 10 12:48:01 2002



08/OCT/2002

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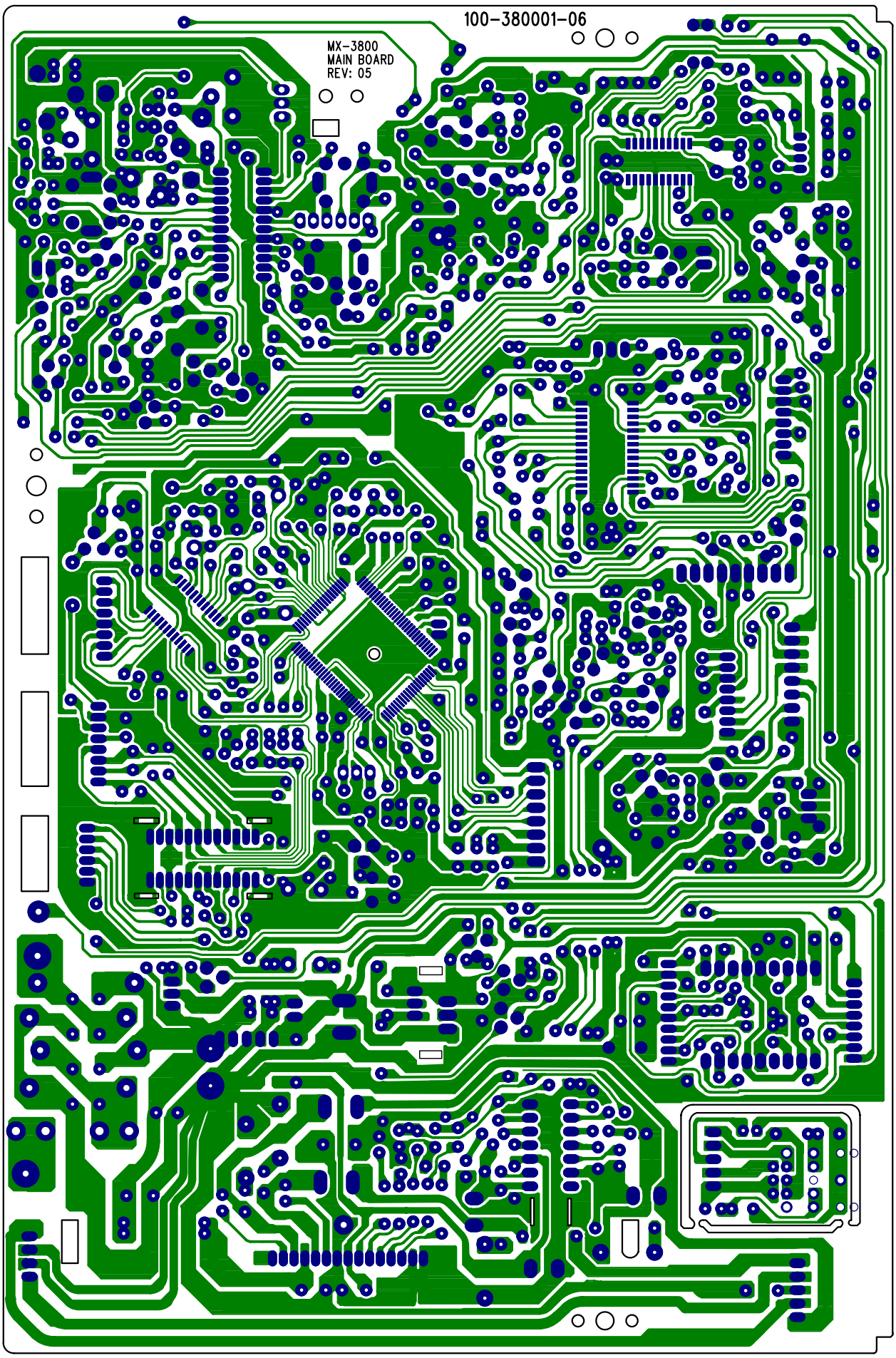
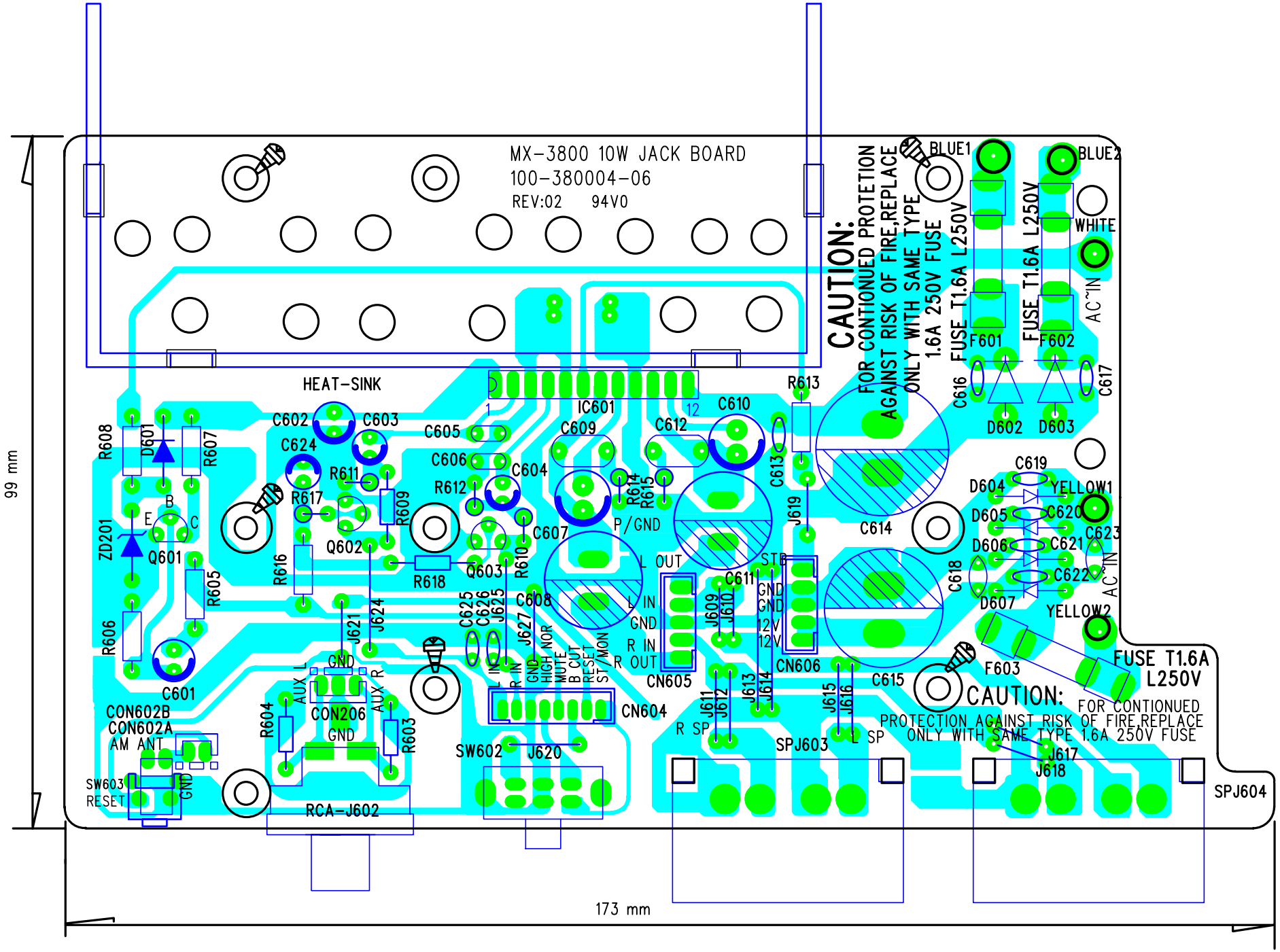
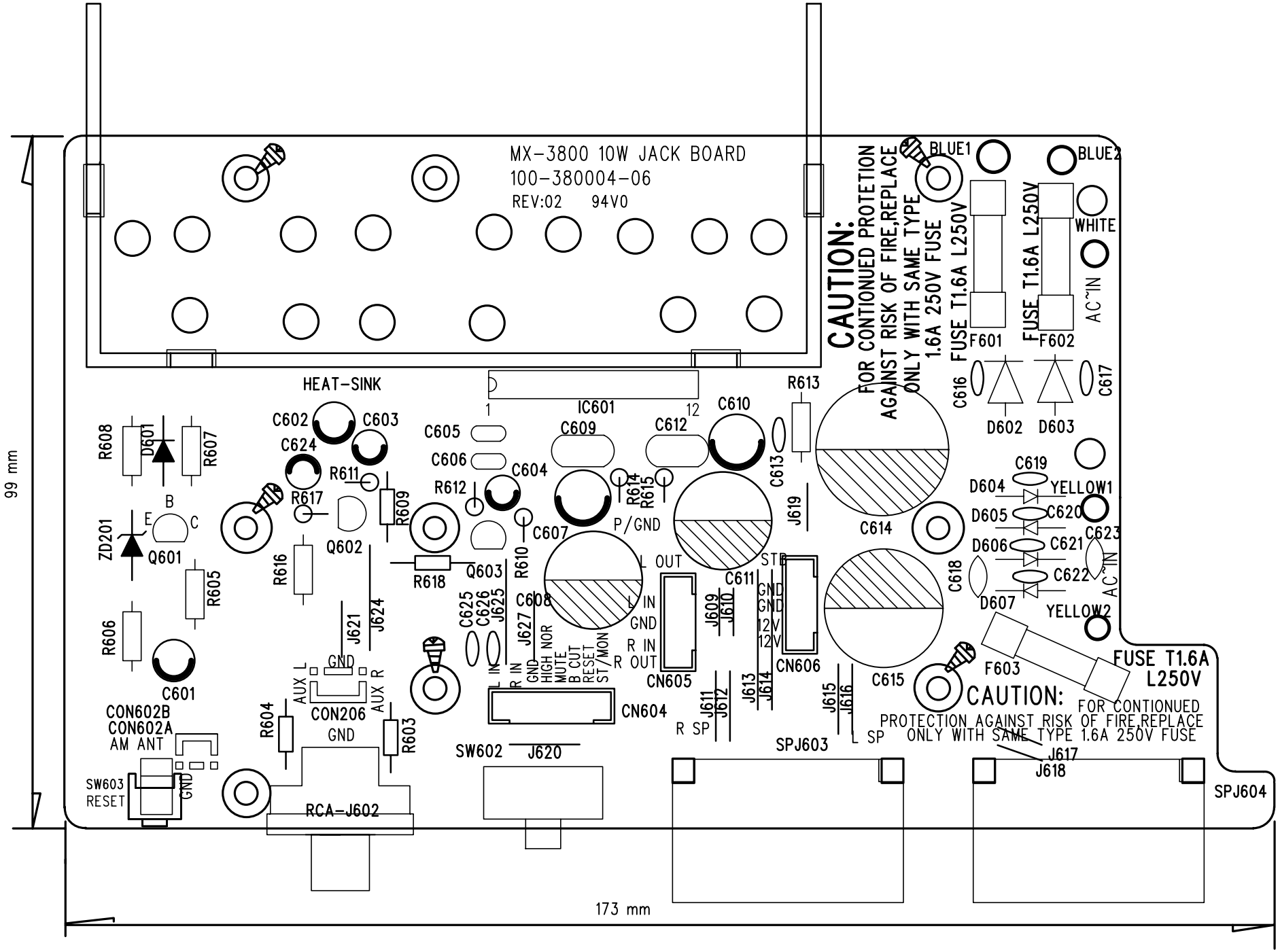
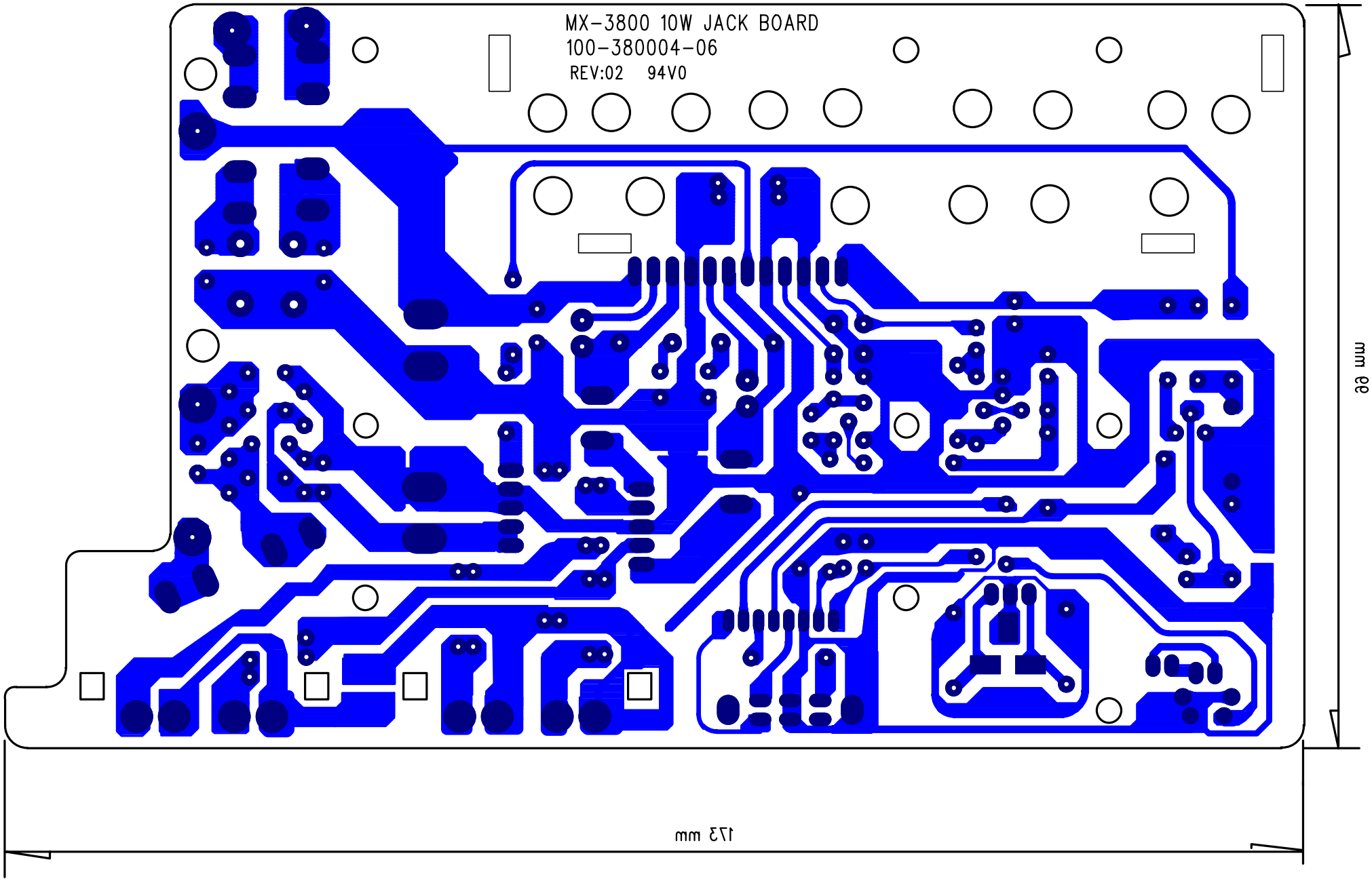
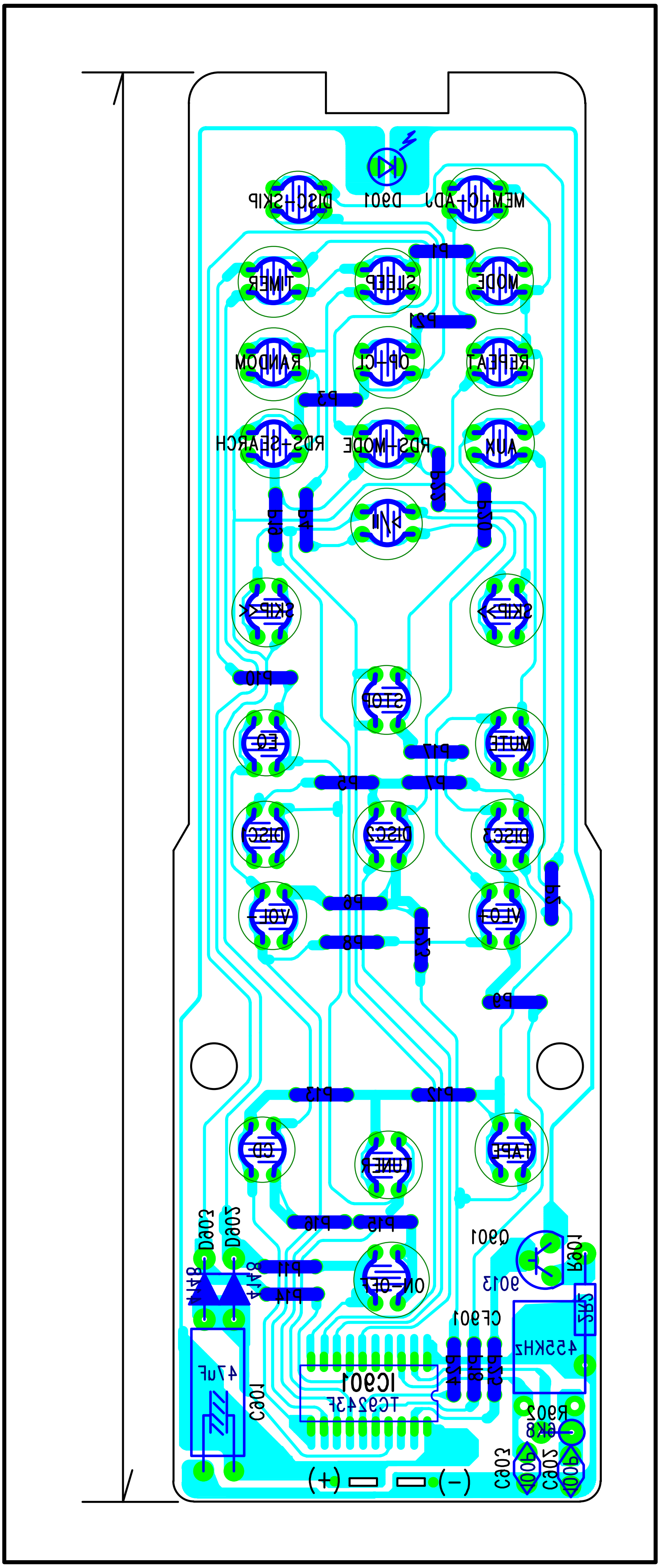

100-380001-06
MX-3800
MAIN BOARD
REV: 05
08\OCT\2002



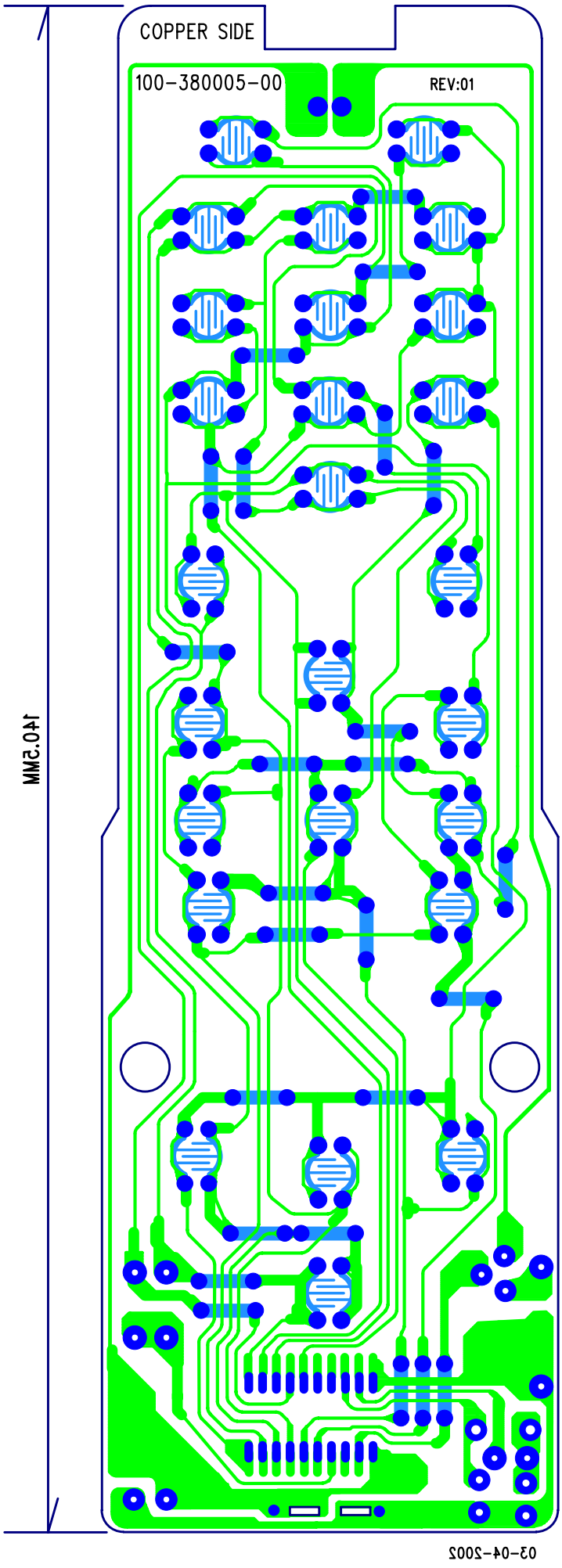
3800power10w3C.pcb – Thu Oct 17 10:15:58 2002

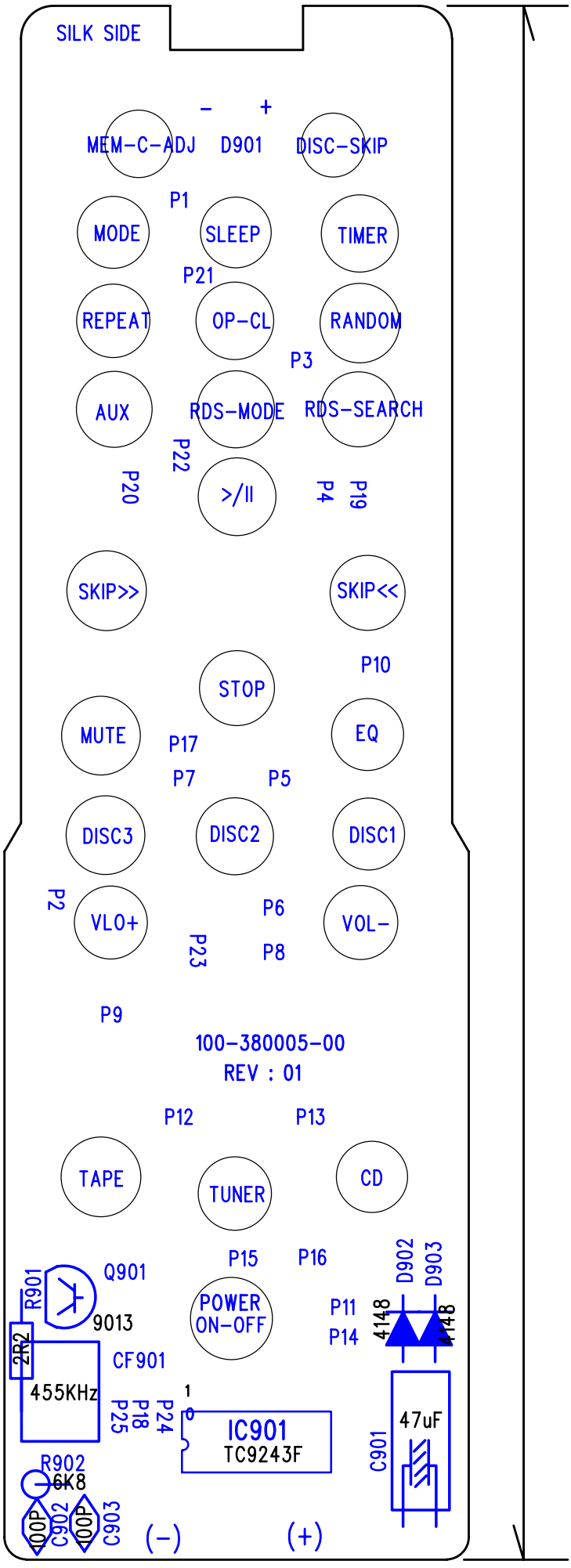

MX-3800 10W JACK BOARD
100-380004-06
REV:02 94V0
CAUTION:
FOR CONTIONUED PROTETION
AGAINST RISK OF FIRE,REPLACE
ONLY WITH SAME TYPE
1.6A 250V FUSE
FUSE T1.6A L250V
FUSE T1.6A L250V
BLUE1
BLUE2
WHITE
AC~IN
F601
F602
F603
HEAT-SINK
IC601
R608
D601
R607
C602
C603
C624
R611
R617
R609
R612
C605
C606
C604
C607
C609
C612
C610
R613
C613
J619
C614
C615
C616
C617
D602
D603
C619
D604
YELLOW1
D605
C620
D606
C621
C623
C618
D607
C622
YELLOW2
AC~IN
B
E
C
ZD201
Q601
Q602
Q603
R605
R606
R616
R618
R610
C601
J621
J624
J625
C625
C626
C608
J627
R614
R615
P/GND
L OUT
R OUT
L IN
R IN
GND
STB
GND
12V
12V
J609
J610
C611
CN605
CN606
J611
J612
J613
J614
J615
J616
R SP
L SP
SPJ603
J617
J618
SPJ604
CON602B
CON602A
AM ANT
SW603
RESET
GND
R604
AUX L
AUX R
GND
CON206
GND
R603
RCA-J602
SW602
J620
CN604
L IN
R IN
GND
HIGH NOR
MUTE
B CUT
RESET
ST/MON
CAUTION:
FOR CONTIONUED
PROTECTION AGAINST RISK OF FIRE,REPLACE
ONLY WITH SAME TYPE 1.6A 250V FUSE
99 mm
173 mm


MX-3800 10W JACK BOARD
100-380004-06
REV:02 94V0
99 mm
173 mm

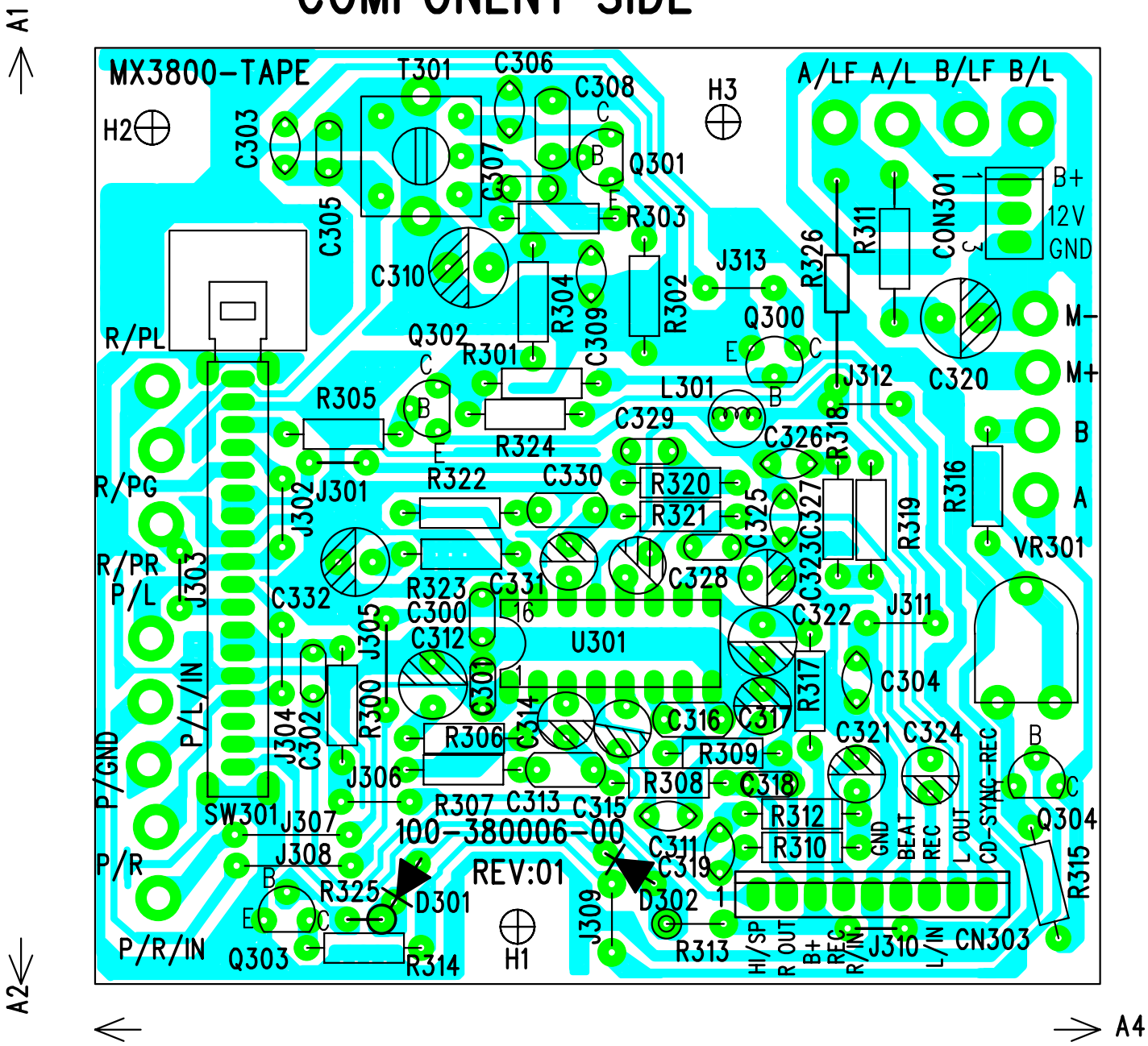


3800rm2.pcb - Thu Oct 17 10:25:24 2002

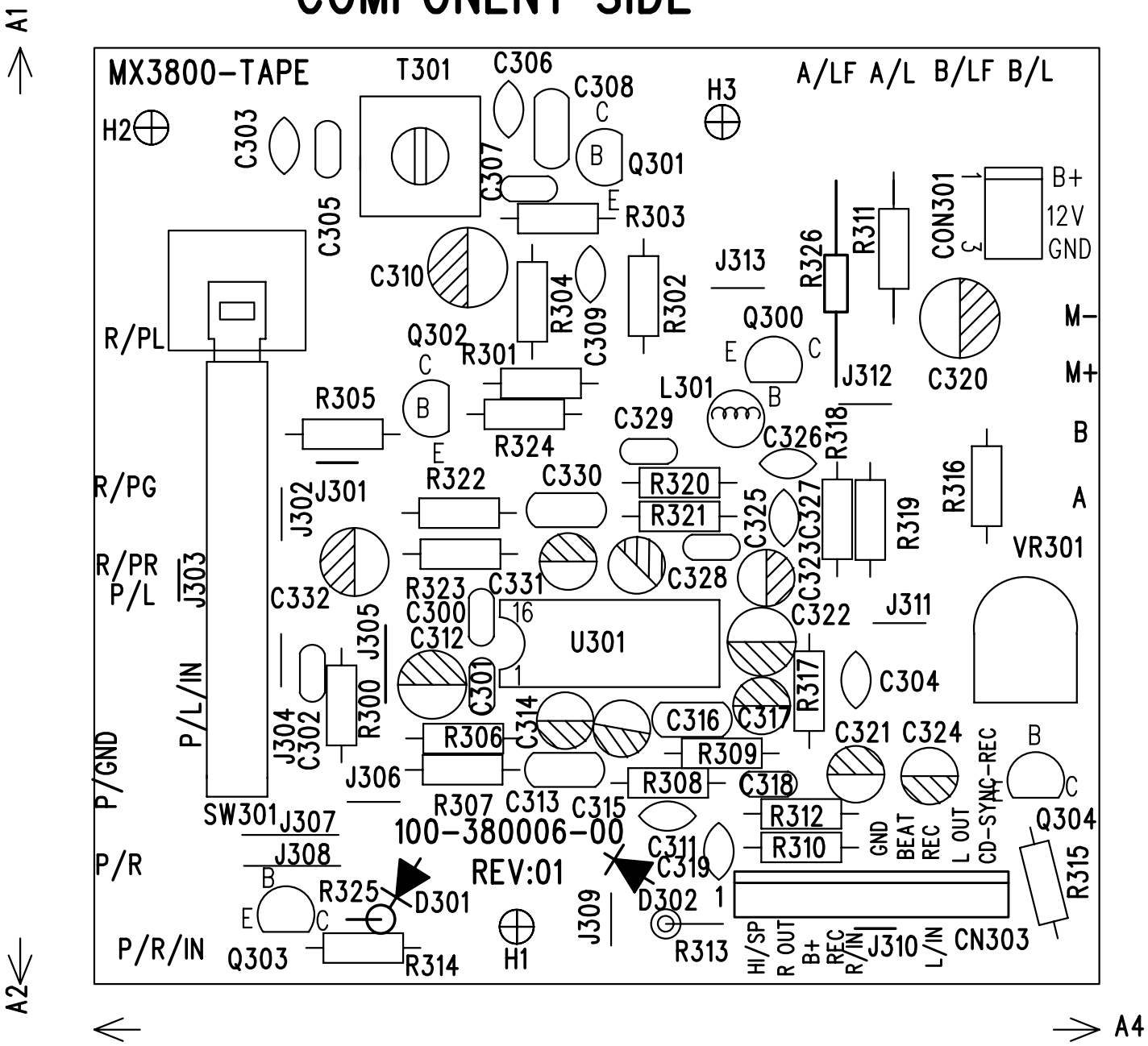

COPPER SIDE
100-380005-00
REV:01
140.5MM
03-04-2002


SILK SIDE
- +
MEM-C-ADJ
D901
DISC-SKIP
P1
MODE
SLEEP
TIMER
P21
REPEAT
OP-CL
RANDOM
P3
AUX
RDS-MODE
RDS-SEARCH
P22
P20
>/II
P4
P19
SKIP>>
SKIP<<
P10
STOP
MUTE
P17
EQ
P7
P5
DISC3
DISC2
DISC1
P2
VLO+
P6
VOL-
P23
P8
P9
100-380005-00
REV : 01
P12
P13
TAPE
TUNER
CD
P15
P16
D902
D903
Q901
R901
9013
POWER
ON-OFF
P11
P14
4148
4148
2R2
CF901
455KHz
1
P25
P18
P24
IC901
TC9243F
47uF
C901
R902
6K8
100P
C902
100P
C903
(-)
(+)

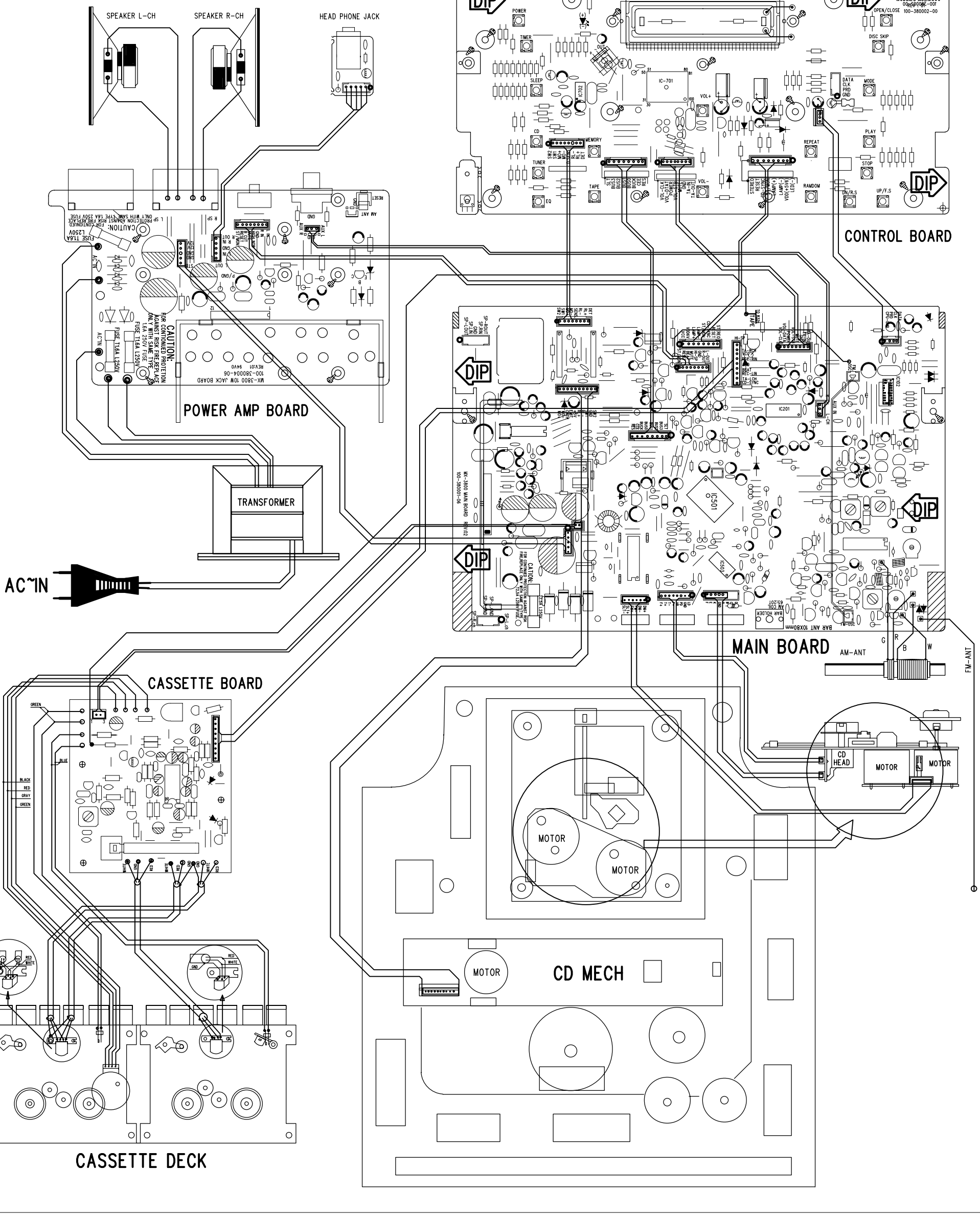
COMPONENT SIDE



COMPONENT SIDE



MX-3800 10W WIRING DIAGRAM



KENLEX ELECTRONICS LTD.

24/F., NANYANG PLAZA, 57 HUNG TO ROAD,
KWUN TONG, KOWLOON, HONG KONG.
TEL: 27577368, 27577718 FAX: 27519212

SPECIFICATION

AM SECTION MODEL : MX-3800(10W) DATE : 22/MAY/2002

TEST CONDITION : 400 Hz 30% MODULATION REF. OUTPUT : 500 mW 4 Ohm

ITEM		UNIT	NORMAL	LIMIT	DATA
1. FREQUENCY RANGE	HIGH END	KHz	1620/1710	+/-3	
	LOW END	KHz	522/530	+/-3	
2. IF FREQUENCY		KHz	450	450 +/-3	
3. MAXIMUM SENSITIVITY	612/610 kHz	dB/M	54	60	
	999/1000 kHz	dB/M	54	60	
	1404/1400 kHz	dB/M	54	60	
4. SENSITIVITY FOR 20 dB S/N	612/610 kHz	dB/M	60	66	
	999/1000 kHz	dB/M	60	66	
	1404/1400 kHz	dB/M	60	66	
5. IF REJECTION	612/610 kHz	dB	42	35	
6. IMAGE REJECTION	1404/1400 kHz	dB	40	34	
7. AUTO STOP SENS.	999/1000 kHz	dB/M	64	70	
8. WHISTLE MODULATION	5 mV IN	%	7	12	
9. AGC EFFECT	999/1000 kHz	dB	38	32	
10. S/N RATIO 999/1000 kHz	5mV IN	dB	35	30	
11. T.H.D	999/1000 kHz	%	2	4	
12. FREQUENCY RESPONSE 999/1000 kHz	-6 dB	Hz	125-2500	150-2000	
13. MIN. VOL. HUM	999/1000 kHz	mV	2	3	
14. OSC FALL-OUT VOLTAGE AC	999/1000 KHz	V	-30%	-20%	
15. OVER LOAD THD AT REF O/P MOD80%	999/1000 KHz	%	3	6	

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TEL: 27577368, 27577718 FAX: 27519212

SPECIFICATION

FM SECTION MODEL : MX-3800 (10W) DATE : 22/MAY/2002

TEST CONDITION : 1 KHZ 22.5 KHZ DEV.(MONO) REF. OUTPUT : 500 mW 4 Ohm

ITEM		UNIT	NORMAL	LIMIT	DATA
1. FREQUENCY RANGE	HIGH END	MHz	108.0	+/-0.1	
	LOW END	MHz	87.5	+/-0.1	
2. IF FREQUENCY		MHz	10.7	+/-0.1	
3. MAXIMUM SENSITIVITY	90.1 MHz	dB	16	20	
	98.1 MHz	dB	16	20	
	106.1 MHz	dB	16	20	
4. SENSITIVITY FOR 30 dB S/N	90.1 MHz	dB	20	26	
	98.1 MHz	dB	20	26	
	106.1 MHz	dB	20	26	
5. IF REJECTION	90.1 MHz	dB	55	45	
6. IMAGE REJECTION	106.1 MHz	dB	25	22	
7. -3 dB LIMITTING SENSITIVITY	98.1 MHz	dB	22	26	
8. FREQUENCY RESPONSE -6 dB	W/75uS	Hz	125-12000	150-9000	
9. AUTOSTOP SENS.	98.1 MHz	dB	26	32	
10. S/N RATIO 98.1 MHz	60 dB IN	dB	45	38	
11. T.H.D. 98.1 MHz	60 dB IN	%	2	4	
12. OUTPUT POWER 10% THD98.1 MHz	75 kHz DEV	W	10	9.5	
13. OSC FALL-OUT VOLTAGE AC	98.1MHz	V	-30%	-20%	
14. OVERLOAD DIST (75Kz DEV)	98.1 MHz	%	2	3.5	

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SPECIFICATION

FM MPX SECTION MODEL : MX-3800(10W) DATE : 22/MAY/2002

TEST CONDITION : 1 KHz 75 KHz DEV. PILOT = 10% REF. OUTPUT : 500 mW 4 Ohm

ITEM		UNIT	NORMAL	LIMIT	DATA
1. SEPARATION 98.1 MHz	60 dB IN	dB	28	22	
2. STERREO INDICATOR SENS.	98.1 MHz	dB	18	24	
3. T.H.D.	98.1 MHz	%	2	4	
4. S/N RATIO W/B.P.F 98.1 MHz	60 dB IN	dB	42	36	
5. CHANNEL BALANCE	98.1 MHz	dB	0	1.5	

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TEL: 27577368, 27577718 FAX: 27519212

SPECIFICATION

TAPE SECTION MODEL : MX-3800(10W) DATE : 22/MAY/2002

TEST CONDITION : REF. OUTPUT : 500 mW 4 Ohm

ITEM		UNIT	NORMAL	LIMIT	DATA
1. TAPE SPEED	3KHz	%	+/-1	+3-2	
2. WOW & FLUTTER	3KHz	%	0.2	0.35	
3. CHANNEL BALANCE	1KHz -10dB	dB	1	3	
4. SEPARATION	1 kHz -10dB	dB	35	30	
5. CROSS TALK	1kHz -10dB	dB	35	28	
6. S/N RATIO (PLAYBACK)	1KHz 0dB	dB	45	42	
7. ERASE RATIO (FOR AC.BIAS)	1KHz	dB	40	35	
8. DUBBING LEVEL	1KHz	dB	+/-3	+/-4	
9. FREQ. RESPONSE 125/1K/6.3K (PLAYBACK)		dB	+/-3	+/-6	
10. FREQ. RESPONSE 125/1K/6.3K (REC. PB.)		dB	+/-3	+/-6	
11. DISTORTION (PLAYBACK)	1KHz 0dB	%	1.5	3	
12. ISTORTION(R/P.BACK)FOR AC.BIAS		%	3	5	
13. MINIMUM VOL. HUM		mV	2	4	
14. MAXIMUM VOL. HUM		mV	40	75	
15. OUTPUT POWER 10% THD	1KHz 0dB	W	10	9.5	
16. ERASE RATOR (FOR DC.BIAS)		dB	28	20	
17. DISTORTION(FOR DC.BIAS/ERASE)	1KHz	%	5	8	

KENLEX ELECTRONICS LTD.

24/F., NANYANG PLAZA, 57 HUNG TO ROAD,
KWUN TONG, KOWLOON, HONG KONG.
TEL: 27577368, 27577718 FAX: 27519212

SPECIFICATION

CD SECTION MODEL : MX-3800(10W) DATE : 22/MAY/2002

TEST CONDITION : REF. OUTPUT : 500 mW 4 Ohm

ITEM		UNIT	NORMAL	LIMIT	DATA
1. FREQUENCY RESPONSE	63 Hz	dB	+/-3	+/-6	
	15 kHz	dB	+/-3	+/-6	
2. S/N RATIO (A WEIGHTED)		dB	55	45	
3. DISTORTION	1KHz 0dB	%	1	2	
	1KHz -20dB	%	2	4	
4. CHANNEL SEPARATION	1KHz	dB	45	38	
5. CHANNEL BALANCE	1KHz	dB	0.5	2	
6. MINIMUM VOL. HUM		mV	2	3	
7. MAXIMUM VOL. HUM		mV	20	30	
8. OUTPUT POWER 10% THD	1KHz 0dB	W	10	9.5	
9. INTERRUPTION		mm	0.7		
10. BLACK DOTS		mm	0.6		
11. FINGER PRINTS		um	65		

ISSUED BY : _____

Spare Patr list

Model no.: TX-3310

Part no.		Description
Ass. Part no.: MX-380		**0-1020 MX-3800/10W AKAI (TX-3310)**
		AM/FM VDE 230V SILVER/G
1	121-663013-7Y	TRANSFORMER EI-66 230V VDE/BS
		APP W/125鬩 (M30)& 0.5 SILICON
		(SF66E/192183) SING FUNG
2	192-300000-02	CLOSE END CONNECTOR UL/VDE APP
		HW-C4 (TCM & FAVORTRON)
3	198-326130-49	JUMPER WIRE #26 1300mm WHITE
		UL1007
4	201-033072-18	POWER CORD VDE/SEV APP.72"
		W/0 SOCKET (KE-21 PLUG)
		(H03VVH2-F)(KENIC)
5	211-010003-09	CD MECHANISM (CMS-FR3GA)
		W/3CD CHANGER (PROTECH)
6	212-0D1097-23	CASS MECHANISM 12 KEYS
		THL-21SW-1097C W/CLUTCH
		(TEAMHAPPY) MOTOR:EG530YD-2BH
7	303-000004-02	CABLE TIE 4" CT-100M
		(CHEONG WING)
8	500-030802-00	SCREW 3 x 8 P/A
9	500-031003-00	SCREW 3 x 10 B/T
10	500-031007-00	SCREW 3 x 10 W/T
11	500-031010-00	SCREW 3 x 10 W/T
		WASHER HEAD DIA ?0
12	500-031203-00	SCREW 3 x 12 B/T
13	500-031207-01	SCREW 3 x 12 W/T (BLACK)
14	500-041408-00	SCREW 4 x 14 PWA
15	501-030601-00	SCREW 3 x 6 P/M
16	501-041003-01	SCREW 4 x 10 K/M (BLACK)
17	501-260504-00	SCREW 2.6 x 5 T/T
18	503-153515-00	FIBER WASHER 3.5 x 15 x 1.5mm
19	602-200200-15	PAD CORD 20 x 20 x 15mm W/TAPE
20	605-011000-03	RUBBER FOOT ?1 x 3mm
21	706-088800-A0	RECORDING PLATE (SINO MILLION)
22	707-530100-A0	SCREW PLATE (SINO MILLION)
23	717-088801-A0	CASS P.C.B. MTG. BKT "B"
		(SINO MILLION)
24	717-088802-A0	CASS P.C.B. MTG. BKT "C"
		(SINO MILLION)
25	717-088804-A0	CASS P.C.B. MTG. BKT "D"
		(SINO MILLION)
26	719-882800-00	CASS DOOR SPRING ?.8MM
27	800-380000-03	FRONT CABINET (LCD) STD BRIGHT
		SILVER SPRAY (A78-030) D.GREY
		S.S (PMS432C) AKAI DESIGN
28	801-380001-01	REAR CABINET MOULDED GREY
		(921633) W/O AUX/75 OHM JACK/
		SURROUND SPK.JACK
29	802-380000-01	TOP CABINET MOULDED GREY
		(921633) STD
30	807-380000-01	CDC DOOR BRIGHT SILVER SPRAY
		(A78-030) STD
31	809-380000-03	CASS DOOR COVER 'L' B.SILVER

		(A78-030)GREY(A-2394)S.S GREY
		(432C),SIL(877C)GREY VER AKAI
32	809-380001-03	CASS DOOR COVER 'R' B.SILVER
		(A78-030)GREY(A-2394)S.S GREY
		(432C),SIL(877C)GREY VER AKAI
33	810-882300-01	CASS DOOR BKT "L" MOULD
		GREY (921633)
34	810-882301-01	CASS DOOR BKT "R" MOULD
		GREY (921633)
35	812-380000-01	CASS KNOB PLAY "L" MOULDED
		GREY (921633)
36	812-380001-01	CASS KNOB PLAY "R" MOULDED
		GREY (921633)
37	813-380000-01	CASS KNOB PAUSE "L" MOULDED
		GREY (921633)
38	813-380001-01	CASS KNOB PAUSE "R" MOULDED
		GERY (921633)
39	814-380000-01	CASS KNOB F.F. "L" MOULDED
		GREY (921633)
40	814-380001-01	CASS KNOB F.F. "R" MOULDED
		GREY (921633)
41	815-380000-01	CASS KNOB REW "L" MOULDED
		GREY (921633)
42	815-380001-01	CASS KNOB REW "R" MOULDED
		GREY (921633)
43	816-380000-01	CASS KNOB STOP/EJECT "L"
		MOULDED GREY (921633)
44	816-380001-01	CASS KNOB STOP/EJECT "R"
		MOULDED GREY (921633)
45	817-380000-01	CASS KNOB RECORD MOULDED GREY
		MOULDED GREY (921633)
46	820-380000-03	CD FUNCTION KNOB (L) B.SILVER
		SPRAY (A78-030) & C.GREY
		(A-2394) W/O S.S AKAI DESIGN
47	820-380001-03	CD FUNCTION KNOB (R) B.SILVER
		SPRAY (A78-030) & C.GREY
		(A-2394) W/O S.S AKAI DESIGN
48	822-380000-02	VOLUME KNOB BRIGHT SILVER
		SPRAY (A78-030) D.GREY S.S
49	832-380000-03	CASS DOOR LENS (L) MOULD CLEAR
		GREY (921543L) W/O S.S
50	832-380001-03	CASS DOOR LENS (R) MOULD CLEAR
		GREY (921543L) W/O S.S
51	835-380000-07	DISPLAY LENS MOULDED GREY LENS
		(921543L) W/SILVER (PMS 877C)
		S.S. AKAI DESIGN
52	836-380000-08	CD DOOR LENS MOULDED GREY LENS
		(921543L) W/SILVER (PMS 877C)
		S.S. AKAI DESIGN
53	836-380001-06	FRONT CABINET LENS MOULDED
		GREY LENS (921543L) W/SILVER
		(PMS 877C) S.S. AKAI DESIGN
54	838-011800-00	DAMPER GEAR
55	839-011800-00	GEAR HOLDER
56	843-380000-00	LCD BRACKET
57	845-380000-01	VOL. KNOB BRACKET (CHROME)
58	845-380001-00	MAIN PCB BRACKET
59	845-380002-00	SENSOR PCB BRACKET
60	901-380000-02	GIFT BOX AKAI DESIGN (TX-3310)
61	902-380000-04	INSTURCTION MANUAL AKAI DESIGN
		(TX-3310) (ENG/DUT/FRE)
62	912-380000-00	RATING PLATE (41.6x17.6x0.3)mm

63	912-380020-00	BACK LIGHT FILM
64	912-380022-00	BACK LIGHT PLATE (AMBER)
65	919-000001-01	SERIAL No. LABEL STD.
66	919-088802-01	LASER BEAM LABEL YELLOW STD
67	919-088803-06	LASER CAUTION LABEL YELLOW B/G
		W/BLK STD (NEW)(2000 YEAR VER)
68	919-088804-02	CLASS 1 LABEL YELLOW STD
69	919-088813-01	THERMAL FUSE LABEL 125乚
70	919-380016-01	IMPEDANCE LABEL AKAI DESIGN
		(TX-3310) 10W 8 OHM
71	919-380099-04	P.R.C. LABEL
72	919-380099-05	VERSION CODE LABEL "E1"
73	920-380000-04	RATING LABEL AKAI DESIGN
		(TX-3310)
74	930-380001-00	POLYFOAM SPK BOX "TOP"
		(140MM DEPTH)
75	930-380002-00	POLYFOAM MAIN UNIT & SPK BOX
		"TOP"
76	930-380003-00	POLYFOAM MAIN UNIT "TOP"
77	930-380004-00	POLYFOAM SPK BOX "BOTTOM"
78	930-380005-00	POLYFOAM MAIN UNIT & SPK BOX
		"BOTTOM"
79	930-380006-00	POLYFOAM MAIN UNIT "BOTTOM"
80	960-100504-02	POLYBAG 10"(L) x 5"(O)
		W/PRINTING
81	960-221904-01	POLYBAG 22"(L) x 19"(W) x
		0.04mm W/PRINTING & PUNCH HOLE
82	960-292804-01	POLYBAG 29(L) x 28(W) x 0.04mm
		W/PRINTING & PUNCH HOLE
83	K-003D-0003	RH-03D (19 KEYS) REMOTE PART
		ASS'Y MOULD GREY(COOL GREY/5C)
		(W/O RDS & AUX) AKAI DESIGN
84	PCB-380001-01	P.C.B. MAIN ASS'Y (10W) AM/FM
		(NEW)
85	PCB-380002-02	P.C.B. CONTROL CD KEY ASS'Y
		(W/O RDS) (NEW)
86	PCB-380003-01	P.C.B. POWER ASS'Y (10W) (NEW)
87	PCB-380004-02	P.C.B. CASS ASS'Y (NEW)
		(CHINA MOTOR)
88	SPL-380010-06	SP-3800/10W SPK PART LIST "L"
		B.SILVER (A78-030) GREY GRILL
		D.GREY CLOTH (JY-LE-7) "AKAI"
89	SPR-380010-06	SP-3800/10W SPK PART LIST "R"
		B.SILVER (A78-030) GREY GRILL
		D.GREY CLOTH (JY-LE-7) "AKAI"

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