

SERVICE MANUAL

CD/FM/USB/AUDIO IN/BLUETOOTH

MODELO: MC-15UBW



MATESTAR DIGITAL DEVICE LTD.

PERFORMANCE SPECIFICATIONS

Date : 2013-8-20

Model MC-15UBW

Description : FM /BLUETOOTH
CD/MP3/USB/AUX
Micro Component System

Page : Total 5 Pages

GENERAL TEST CONDITION

Output Load : 8 Ohm non-reactive

Reference Output : 500 mW

Input Signal Source : 75 ohm dummy for FM

Modulation : 22.5 KHz Deviation 1 KHz for FM
75KHz Modulation for FM MPX

Remarks : AC 100-220V 50Hz/60Hz

(MATESTAR)

PREP/ Wang Daibin

(MATESTAR)

APPROVED BY: Darren Wong

PERFORMANCE SPECIFICATIONS

MODEL NO : MC-15UBW

Frequency Modulation (FM) Section

Test Item			Unit	Normal	Limit	#1	#2
F01	Tuning Range TP:87.5MHz TP:108MHz	LOW	MHz	87.5	+/-0.1		
		High	MHz	108	+/-0.1		
F02	Sensitivity TP:90.1MHz at 30dB S/N TP:98.1MHz (Mono) TP:106.1MHz	90.1MHz	dB/uv	20	$\cong 28$		
		98.1MHz	dB/uv	20	$\cong 28$		
		106.1MHz	dB/uv	20	$\cong 28$		
F03	3 dB Limit Sens TP:98.1MHz	98.1MHz	dB	18	$\cong 27$		
F04	Stereo Threshold TP:98.1MHz	98.1MHz	dB	26	$\cong 32$		
F05	Overload TP:98.1MHz	98.1MHz	dB		$> =110$		
F06	Audio Response -6dB TP:98.1MHz	98.1MHz	Hz/KHz	60/4K5	150/3K5		
F07	Separation (1K) TP:98.1MHz	98.1MHz	dB	30	$\cong 20$		
F08	Total Harmonic Distortion (60dB) Mono Re Max Power	22.5KHz	%	1	$\cong 3$		
		75KHz	%	10	$\cong 20$		
F09	Signal to Noise Ratio (Input 60dB) TP:98.1MHz	98.1MHz	dB	50	$\cong 45$		
		STEREO	dB	45	$\cong 40$		
F10	Auto Search Threshold TP:98.1MHz	98.1MHz	dB	27	$\cong 35$		
F11	Mod. Hum (AC) TP:98.1MHz	98.1MHz	dB	45	$\cong 40$		
F12	Min. Volume Hum & Noise		mV	0.7	$\cong 2$		

PERFORMANCE SPECIFICATIONS

MODEL NO : MC-15UBW

CDDA Section

Test Items		Unit	Normal	Limit	#1	#2
C01	10% Dist. Output Power (1kHz, 0dB)	W	7.5	≥ 7		
C02	Frequency Response (40Hz -16kHz/1kHz, 0dB)	dB	+/-4	+7/-10		
C03	De-emphasis Response (40Hz -16kHz/1kHz, 0dB)	dB	+/-3	+/-4		
C04	Channel Balance (1kHz, 0dB)	dB	1	≤ 3		
C05	Channel Separation (1kHz, 0dB)	dB	45	≥ 35		
C06	T.H.D. +Noise (1kHz, 0dB)	%	1	≤ 3		
C07	S/N Ratio (1kHz, 0dB)	dB	60	≥ 50		
C08	Flat (Bass off)	100Hz	dB			
		10KHz	dB			
	Classic (Bass off)	100Hz	dB			
		10KHz	dB			
	Jazz (Bass off)	100Hz	dB			
		10KHz	dB			
	Pop (Bass off)	100Hz	dB			
		10KHz	dB			
	Rock (Bass off)	100Hz	dB			
		10KHz	dB			
C09	BASS ON TCD-785	100Hz	dB			
C10	Max. Hum "SONY YEDS7 NO23"	mV	4	≤ 7		
C11	Hum at Min Vol "SONY YEDS7 NO23"	mV	1	≤ 2		

* With external 20kHz L.P.F. Test Disc "CBS SONY YEDS7"

PERFORMANCE SPECIFICATIONS

MODEL NO : MC-15UBW

CD/MP3 Section

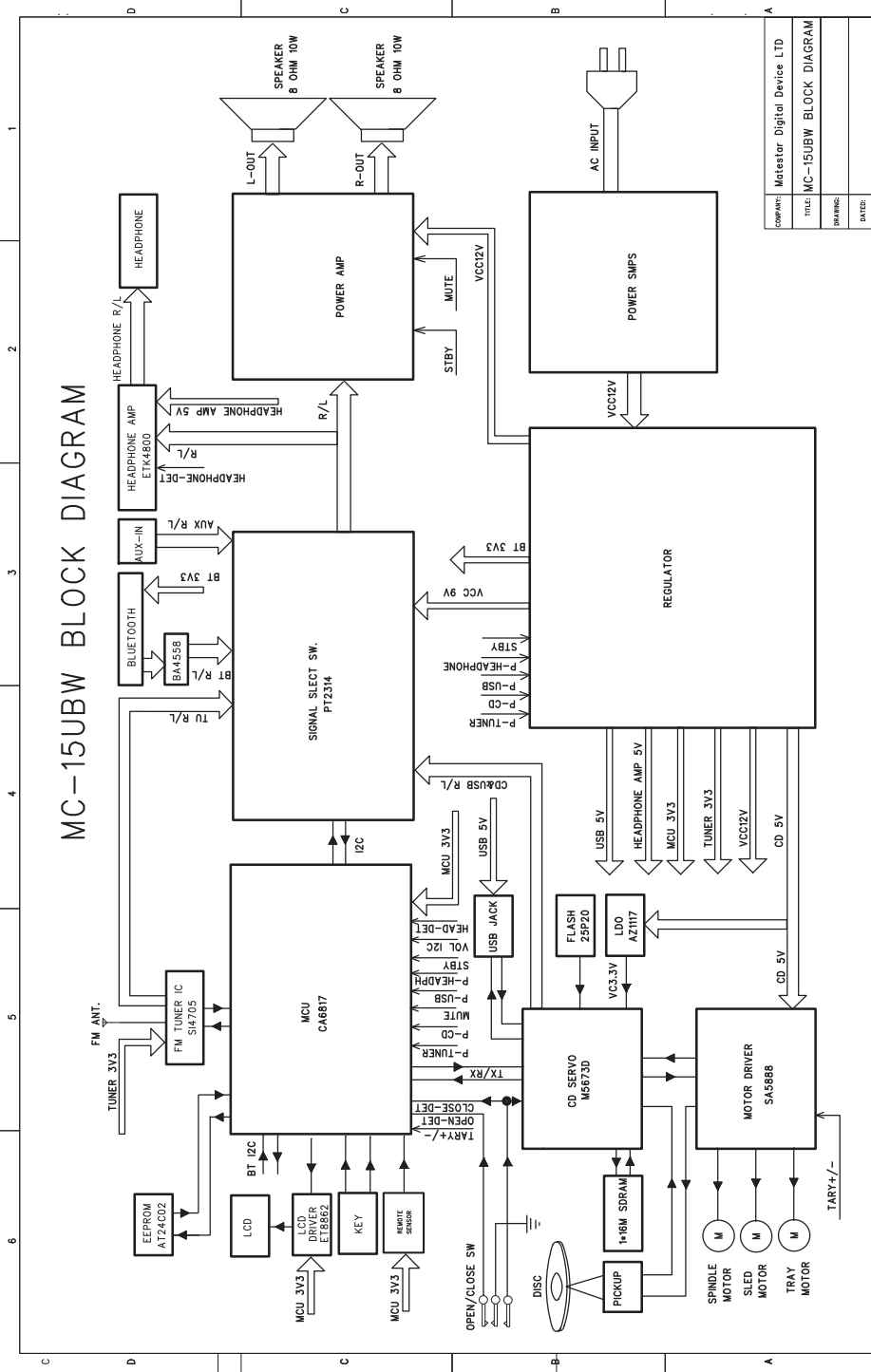
Test Items			Unit	Normal	Limit	#1	#2
M01	Frequency Response MCD-RF561C	100Hz(T404)	dB	+3	-3		
	Ref. To 1KHz 0dB (TN:T402)	10KHz(T405)	dB	+3	-3		
		20KHz(T406)	dB	+3	-3		
M02	S/N Ratio (MCD-RF561C T402 to T407)	1KHz	dB	60	≧ 50		
M03	Seperation (MCD-RF561C T408 L/ T410 R)	1KHz	dB	45	≧ 35		
M04	Total H.D. (MCD-RF561C T402)	1KHz(0dB)	%	1	≧ 3		
M05	Total H.D. (MCD-F561A T421)	1KHz(-10dB)	%	1	≧ 3		
M06	Channel Unbalance (MCD-RF561C T402)	1KHz	dB		≧ 3		
M07	O/P Power at 10% THD (MCD-RF561C T402)	1KHz	W	7.5	≧ 7		
M08	Min Volume Noise (SP OUT) T407	MCD-RF561C	mV		≧ 3.5		
M09	Max. Volume Noise(Bass OFF) T407	MCD-RF561C	mV		≧ 6		
M10	Bitrate Support format (8~320 kbps & VBR) (Support)	MCD-RF561C	TN.	T101,T201,T301,T401,T501,T601,T701,T801,T901			
M11	Sampling Rate format 32/44.1/48KHz	MCD-RF561C	TN.	T101,T201,T301,T401,T501,T601,T701,T801,T901			
	16/22.05/24KHz	MCD-RF561E					
	8/11.025/13KHz	MCD-RF561H					
M12	Maximum Folder (Support)			99			
M13	Maximum Files For Each Folder (Support)			999			
M14	All Total Files (Support)			999			

PERFORMANCE SPECIFICATIONS

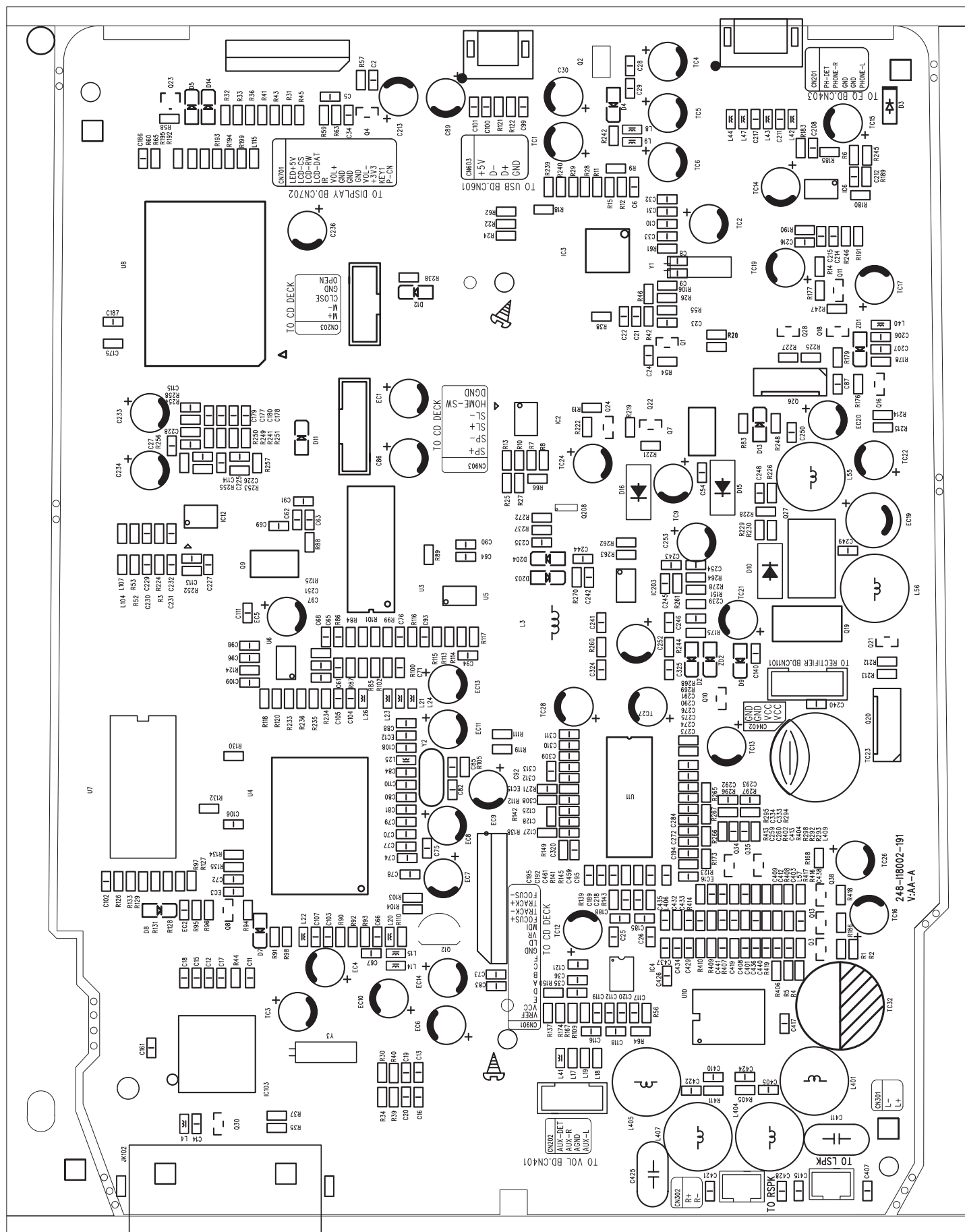
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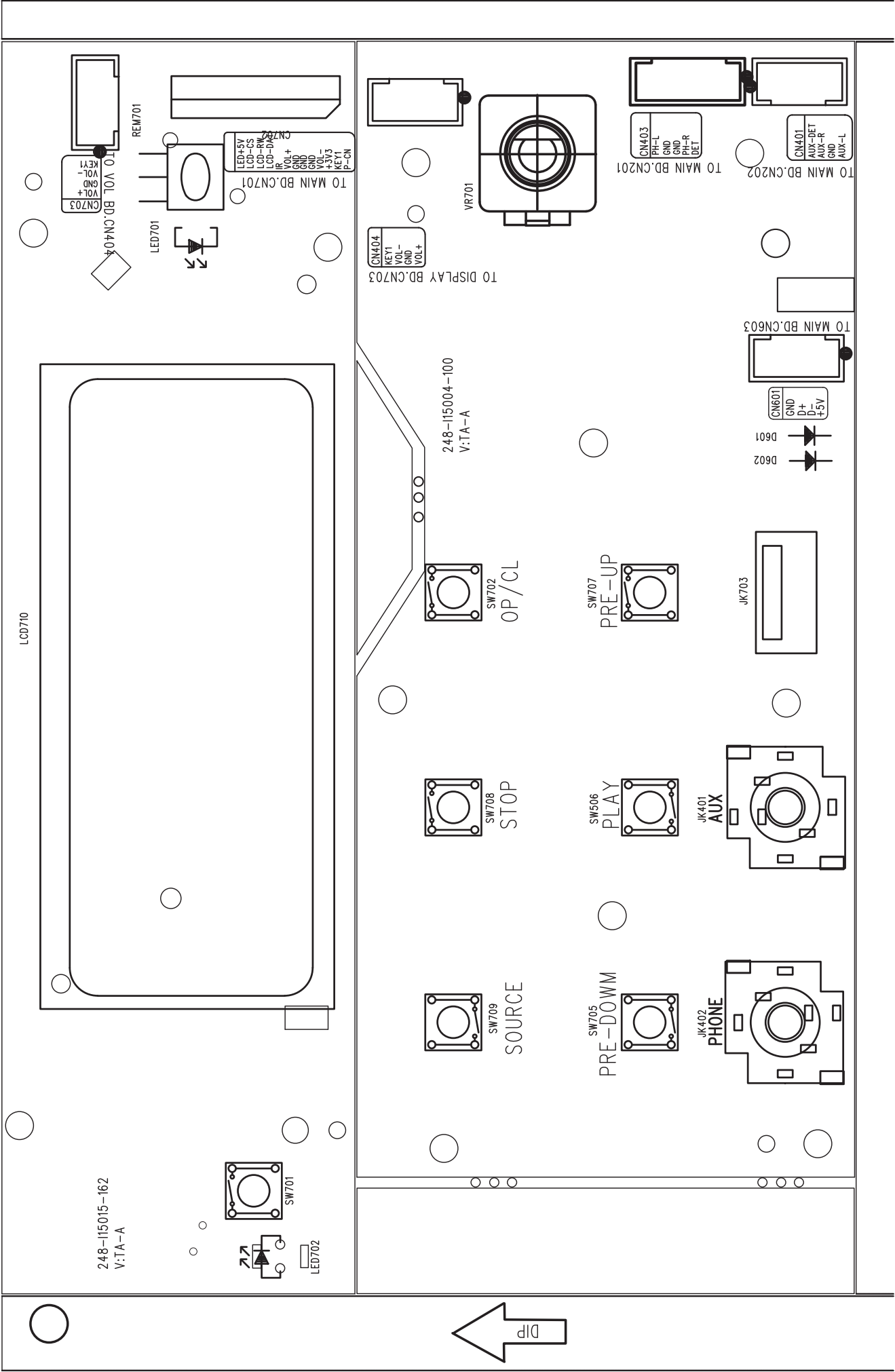
USB/AUX/BT							
Test Items			Unit	Normal	Limit	#1	#2
U01	Frequency Response (USB Copy From MCD-RF561C) Ref. To 1KHz 0dB	100Hz(T404)	dB	+3	-3		
		10KHz(T405)	dB	+3	-3		
		20KHz(T406)	dB	+3	-3		
U02	Signal to Noise Ratio (Unweighted)	1KHz	dB	60	≥ 40		
U03	Channel Separation	1KHz	dB	45	≥ 35		
U04	Total Harmonic Distortion (Copy TCD-782)	1KHz(0dB)	%	2	≤ 5		
U05	Total Harmonic Distortion (Copy TCD-782)	1KHz(-10dB)	%	1	≤ 3		
U06	Channel Unbalance (Copy TCD-782)	1KHz	dB	0.5	≤ 3		
U07	Output Power at 10% THD (Copy T112)	1KHz	W	7.5	≥ 7		
U08	Min Volume Noise (SP OUT) (USB Copy)	TCD-782	mV		≤ 3.5		
U09	Max. Volume Noise (Bass Off) (USB Copy)	TCD-782	mV		≤ 6		
U10	Maximum Folder (Support)			99			
U11	Maximum Files For Each Folder (Support)			999			
U12	All Total Files (Support)			999			
AUX	Output Power at 10% THD (IMP: 47K S/I: 1 KHz 500mV)		W	7.5	≥ 7		
BT	Output Power at 10% THD(Ref. To 1KHz 0dB)		W	7.5	≥ 7		

MC-15UBW BLOCK DIAGRAM



COMPANY:	Maestor Digital Device LTD
TITLE:	MC-15UBW BLOCK DIAGRAM
DRAWING:	
DATE:	





LCD710

248-115015-162
V:TA-A

SW701

LED702

CN404

KEY1
VOL-
GND
VOL+

248-115004-100
V:TA-A

SW702

OP/CL

SW708

STOP

SW709

SOURCE

SW707

PRE-UP

SW706

PLAY

SW705

PRE-DOWN

JK401

AUX

JK402

PHONE

JK703

CN601

GND
D+
D-
+5V

D601

D602

TO MAIN BD.CN603

TO MAIN BD.CN202

TO MAIN BD.CN201

CN401

AUX-DET
AUX-R
GND
AUX-L

CN403

PH-L
GND
PH-R
DET

VR701

REM701

LED701

LED+5V

LCD-CS

LCD-RW

LCD-DAT

IF+V+

GND

+5V2

KEY1

P-CN

TO MAIN BD.CN701

CN703

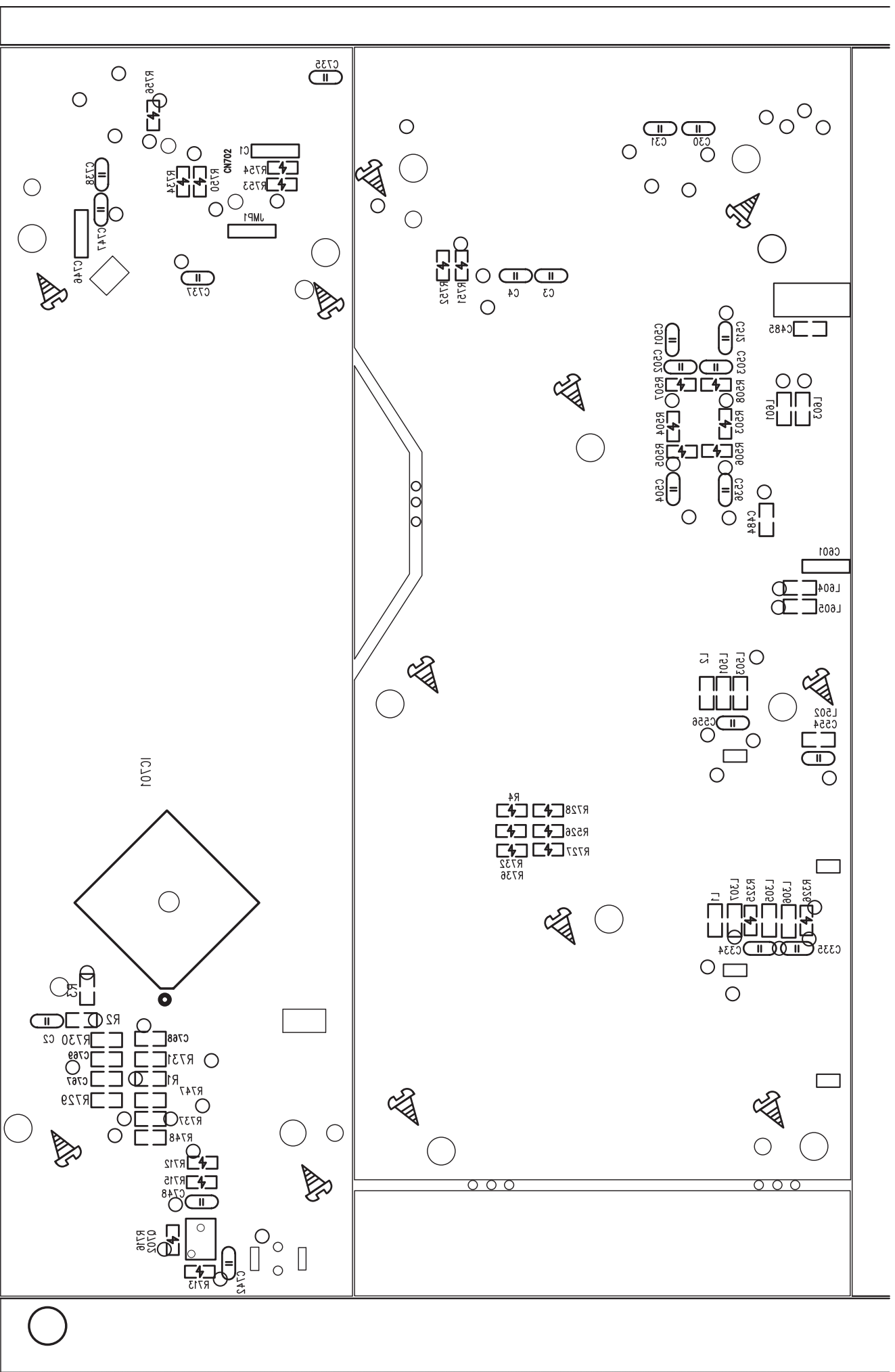
VOL+

GND

VOL-

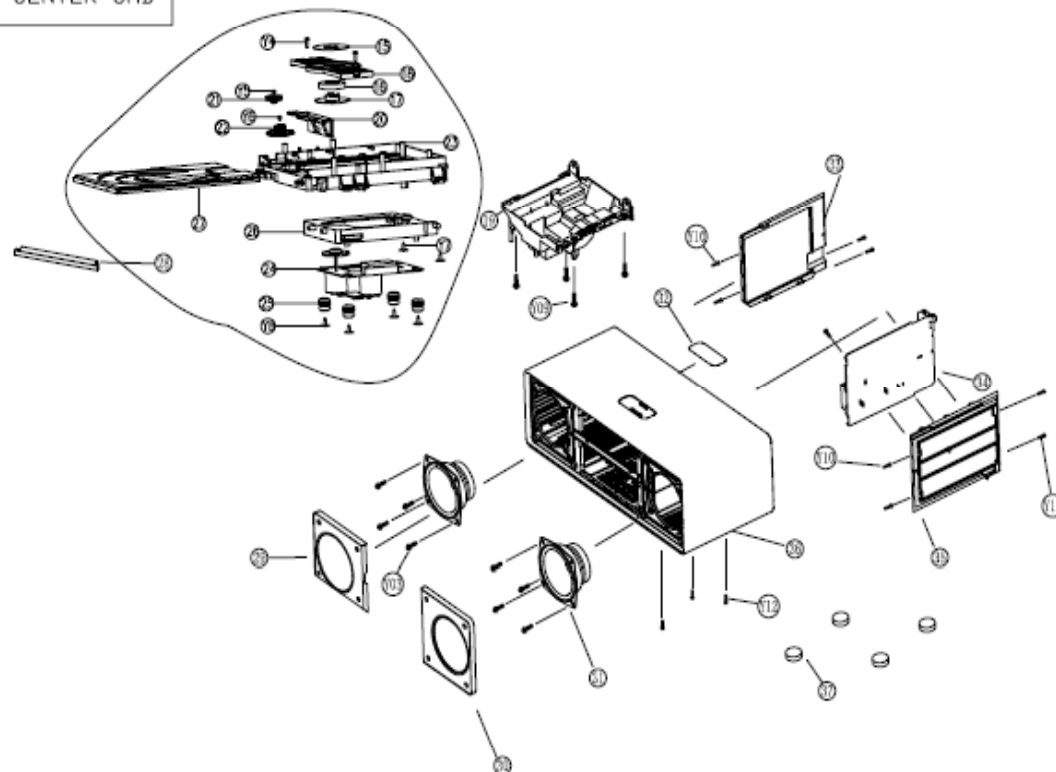
KEY1

TO VOL BD.CN400

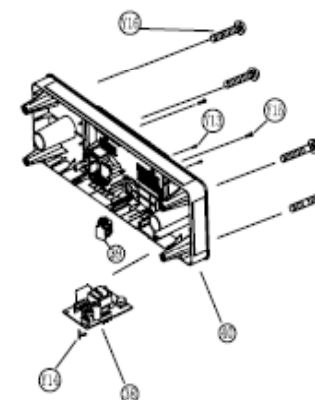


Exploded view

CENTER-CAB

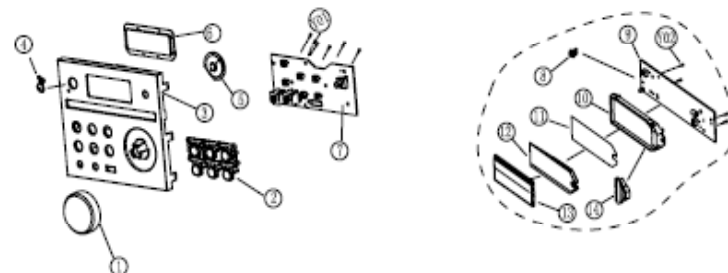


BACK-CAB



43	BACK CABINET		1		
29	POWER PCB		1		
34	MAIN PCB		1		
33	RIGHT INSULATION BKT		1		
32	LEFT INSULATION BKT		1		
31	SPKWR		2		
30	RIGHT-SPKWR-PLATE		1		
29	LEFT-SPKWR-PLATE		1		
28	CD-BOX		1		
27	CD PLATE		1		
26	CD MCD COVER		1		
25	RUBBER SOLIGN		4		
24	CD BOX MECHANISM		1		
23	CD MCD BRACKET		1		
22	BBG GEAR		1		
21	LITTER GEAR		1		
20	SLIDE PIECE		1		
19	HEAT INSULATION BKT		1		
18	CHUCK PLATE BRACKET		1		
17	CD CHUCK A		1		
16	CD MAGNET RING		1		
15	CD CHUCK B		1		
14	DISPLAY BKT COVER		1		
13	LED		1		
12	LCD BACK LENSE LENS		1		
11	BACK LIGHT PLATE		1		
10	LCD BRACKET		1		
9	LCD PCB		1		
8	LIGHT BRACKET		1		
7	VOLUME PCB		1		
6	DISPLAY LENS		1		
5	REMOTE RECEIVER LENS		1		
4	STANDBY KBR		1		
3	FRONT CABINET		1		
2	FUNCTION KBR		1		
1	VOLUME/TONE KBR		1		

FRONT-CAB



100	REV. 01	2013-01-01	0100		
101	REV. 01	2013-01-01	0101		
102	REV. 01	2013-01-01	0102		
103	REV. 01	2013-01-01	0103		
104	REV. 01	2013-01-01	0104		
105	REV. 01	2013-01-01	0105		
106	REV. 01	2013-01-01	0106		
107	REV. 01	2013-01-01	0107		
108	REV. 01	2013-01-01	0108		
109	REV. 01	2013-01-01	0109		
110	REV. 01	2013-01-01	0110		
111	REV. 01	2013-01-01	0111		
112	REV. 01	2013-01-01	0112		
113	REV. 01	2013-01-01	0113		
114	REV. 01	2013-01-01	0114		
115	REV. 01	2013-01-01	0115		
116	REV. 01	2013-01-01	0116		
117	REV. 01	2013-01-01	0117		
118	REV. 01	2013-01-01	0118		
119	REV. 01	2013-01-01	0119		
120	REV. 01	2013-01-01	0120		
121	REV. 01	2013-01-01	0121		
122	REV. 01	2013-01-01	0122		
123	REV. 01	2013-01-01	0123		
124	REV. 01	2013-01-01	0124		
125	REV. 01	2013-01-01	0125		
126	REV. 01	2013-01-01	0126		
127	REV. 01	2013-01-01	0127		
128	REV. 01	2013-01-01	0128		
129	REV. 01	2013-01-01	0129		
130	REV. 01	2013-01-01	0130		
131	REV. 01	2013-01-01	0131		
132	REV. 01	2013-01-01	0132		
133	REV. 01	2013-01-01	0133		
134	REV. 01	2013-01-01	0134		
135	REV. 01	2013-01-01	0135		
136	REV. 01	2013-01-01	0136		
137	REV. 01	2013-01-01	0137		
138	REV. 01	2013-01-01	0138		
139	REV. 01	2013-01-01	0139		
140	REV. 01	2013-01-01	0140		
141	REV. 01	2013-01-01	0141		
142	REV. 01	2013-01-01	0142		
143	REV. 01	2013-01-01	0143		
144	REV. 01	2013-01-01	0144		
145	REV. 01	2013-01-01	0145		
146	REV. 01	2013-01-01	0146		
147	REV. 01	2013-01-01	0147		
148	REV. 01	2013-01-01	0148		
149	REV. 01	2013-01-01	0149		
150	REV. 01	2013-01-01	0150		
151	REV. 01	2013-01-01	0151		
152	REV. 01	2013-01-01	0152		
153	REV. 01	2013-01-01	0153		
154	REV. 01	2013-01-01	0154		
155	REV. 01	2013-01-01	0155		
156	REV. 01	2013-01-01	0156		
157	REV. 01	2013-01-01	0157		
158	REV. 01	2013-01-01	0158		
159	REV. 01	2013-01-01	0159		
160	REV. 01	2013-01-01	0160		
161	REV. 01	2013-01-01	0161		
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168	REV. 01	2013-01-01	0168		
169	REV. 01	2013-01-01	0169		
170	REV. 01	2013-01-01	0170		
171	REV. 01	2013-01-01	0171		
172	REV. 01	2013-01-01	0172		
173	REV. 01	2013-01-01	0173		
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175	REV. 01	2013-01-01	0175		
176	REV. 01	2013-01-01	0176		
177	REV. 01	2013-01-01	0177		
178	REV. 01	2013-01-01	0178		
179	REV. 01	2013-01-01	0179		
180	REV. 01	2013-01-01	0180		
181	REV. 01	2013-01-01	0181		
182	REV. 01	2013-01-01	0182		
183	REV. 01	2013-01-01	0183		
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185	REV. 01	2013-01-01	0185		
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189	REV. 01	2013-01-01	0189		
190	REV. 01	2013-01-01	0190		
191	REV. 01	2013-01-01	0191		
192	REV. 01	2013-01-01	0192		
193	REV. 01	2013-01-01	0193		
194	REV. 01	2013-01-01	0194		
195	REV. 01	2013-01-01	0195		
196	REV. 01	2013-01-01	0196		
197	REV. 01	2013-01-01	0197		
198	REV. 01	2013-01-01	0198		
199	REV. 01	2013-01-01	0199		
200	REV. 01	2013-01-01	0200		

MATESTAR ELECTRONICS LTD.

EXPLODED VIEW

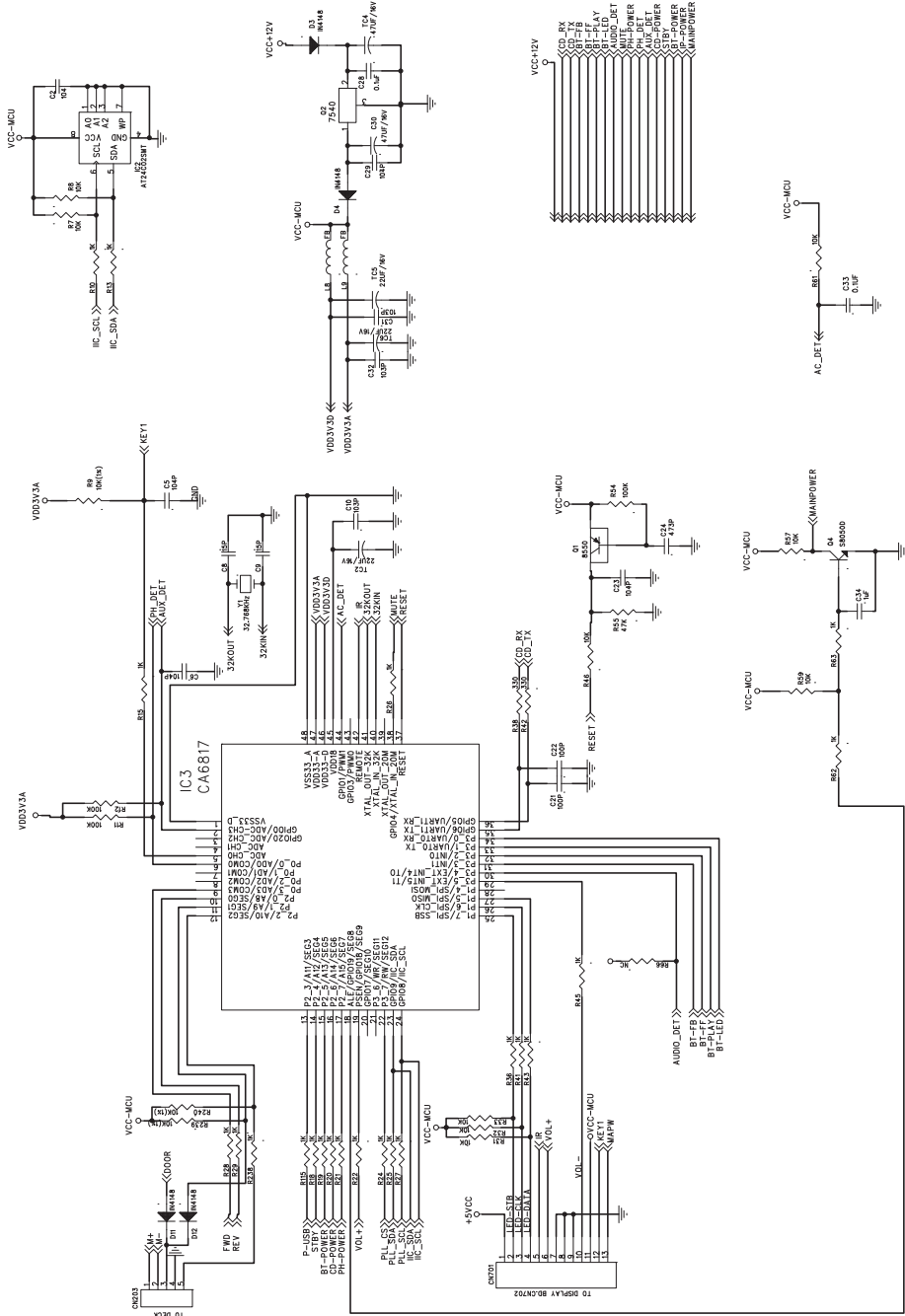
1A190

SCALE

DO NOT SCALE

175_SELECT	CHANNEL
0	A
1	B

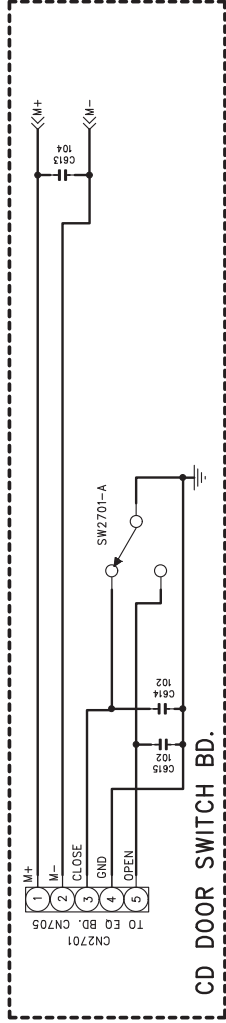
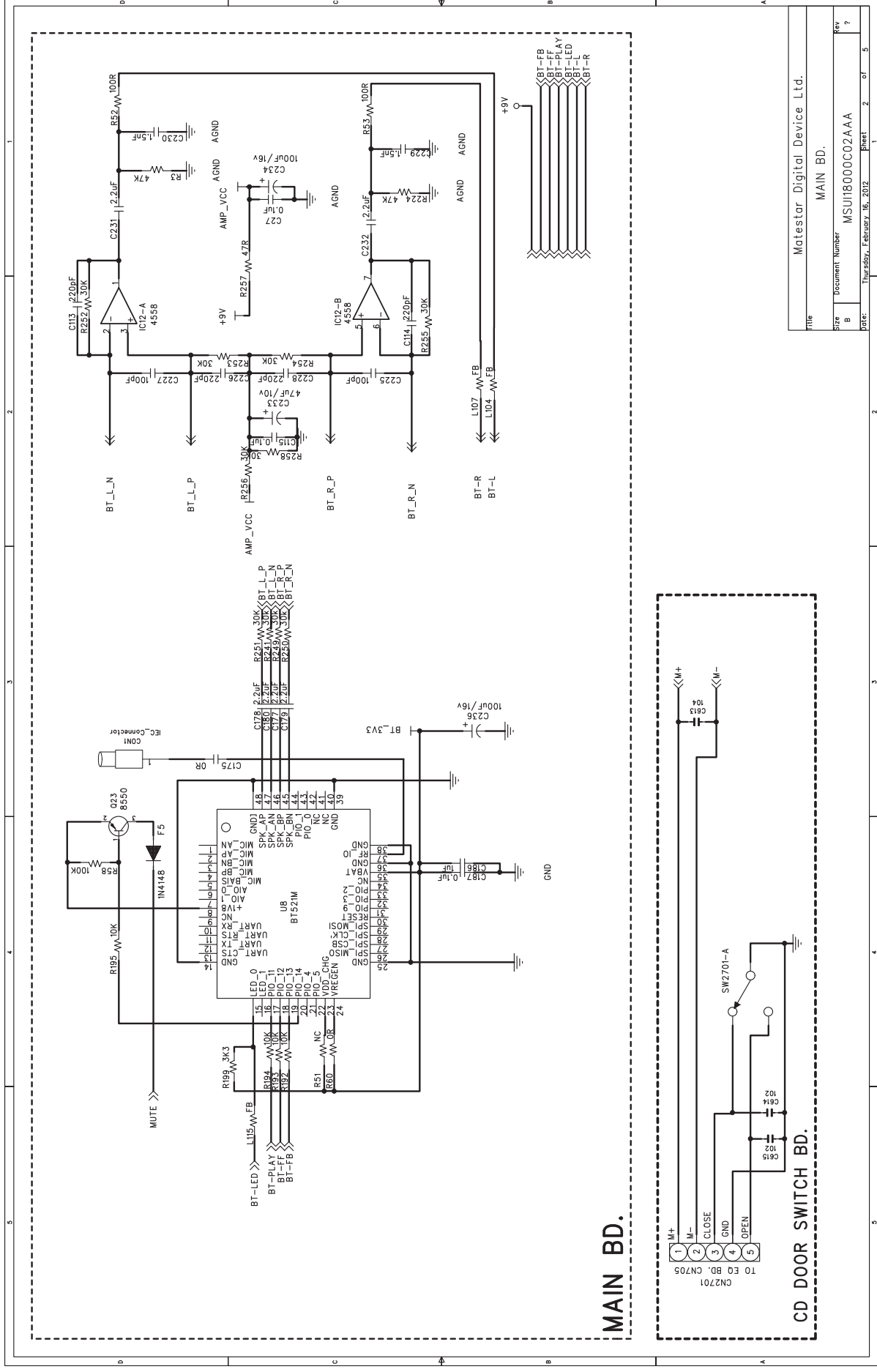
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3	NC
4	NC
5	KEY1
14	A 0-1
15	ANALOG 00A-
16	CD 00 00A-
17	00 00 00A-
18	00 00 0-1
19	EE60A 0
20	NC
21	NC
22	PLL_CS
23	IIC_SDA-024C02, 2314,5807 0A
24	IIC_SCL-0P00E0A, 24C02,2314,5807, 0A
25	LED-STB
26	LED-CLK
27	LED-DATA
28	NC
29	AC-DET 0A
30	AUDIO_DET
31	BT-FB
32	BT-FF
33	BT-LED
34	BT-PLAY
35	00SBN U-RX
36	00SBN U-TX
38	0000A-MUTE
39	IR-00E0
42	NC
43	NC
44	AC_DET 0A 0A

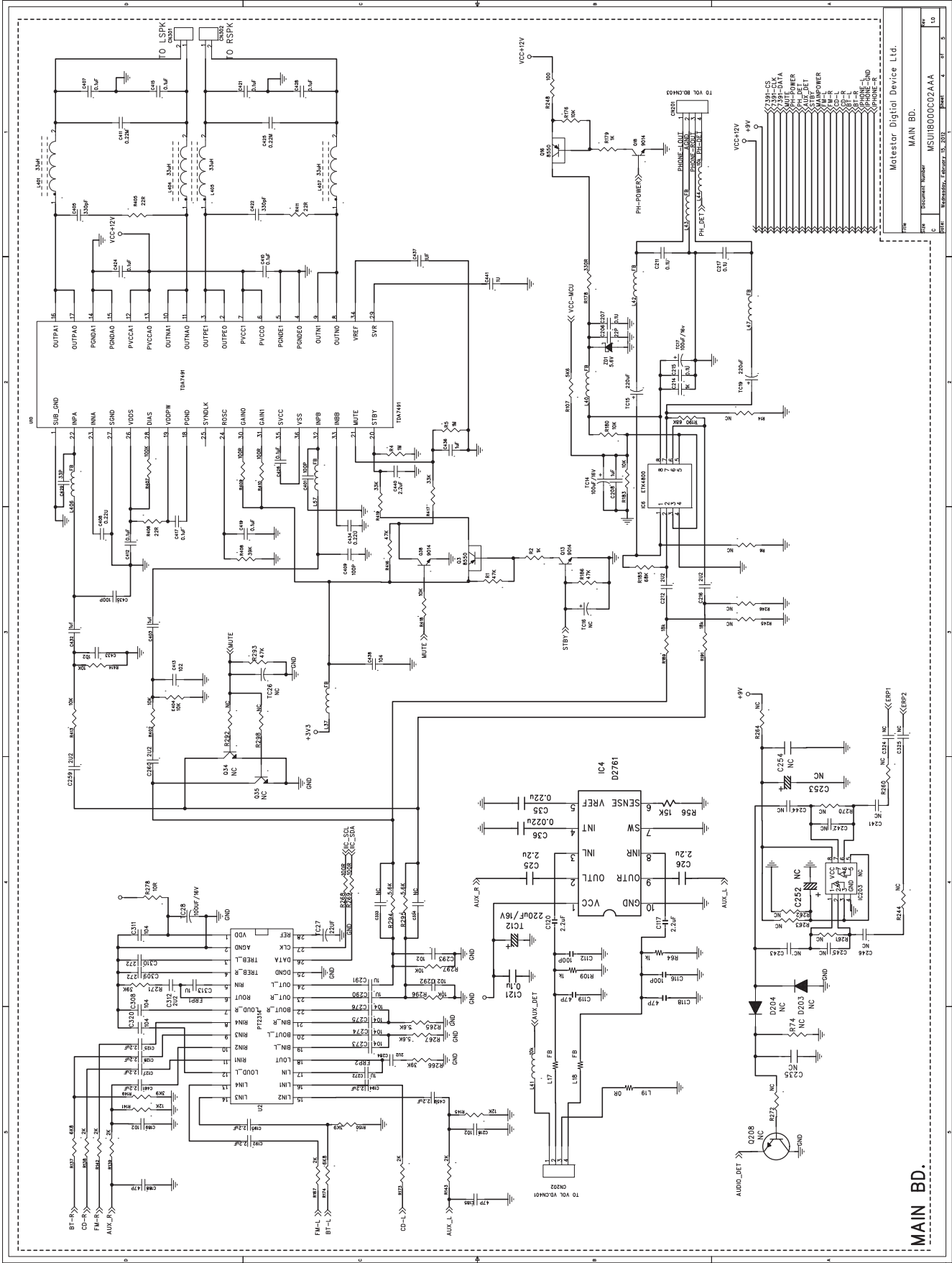


MAIN BD.

Matestar Digital Device Ltd.

Rev	Document Number	Rev
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DATE	2024/06/01	DATE
1	07	5





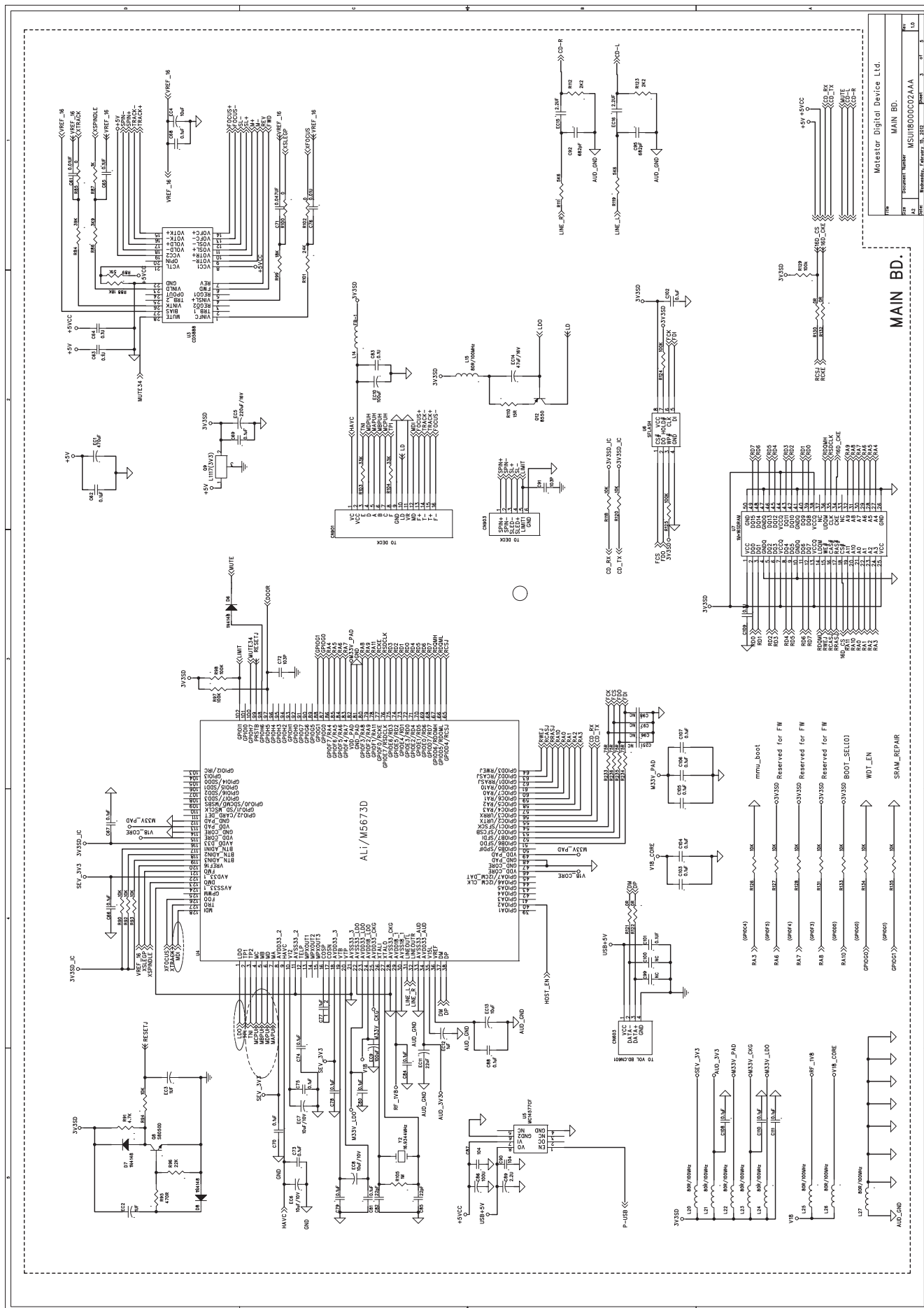
MAIN BD.

Matstar Digital Device Ltd.

MAIN BD.

MSUIB00C02AAA

Rev. 1.0





Matestar Digital Device Ltd.			
MAIN BD.			
Title			
Size	Document Number		Rev
A3	MSUI8000C02AA		1.0
DATE		SHEET	
Wednesday, February 15, 2012		5 of 5	
		1	

BOM多级展开

Level	Material Code	Brief Description	Unit	Quantity Made
.1	151-230230-181	IA-100 POWER CORD	PCS	1.0000
.1	154-359850-455	JZ3.5-365-11H SPEAKER(IA150)	PCS	2.0000
.1	222-250150-120	FERRITE BEAD 25×15×12mm	PCS	1.0000
.1	234-102245-250	2PINS "JST" 2.5mm RD-N1 HSG	PCS	1.0000
.1	234-102245-400	2PINS "JST" 2.5mm #24 400mm HSG	PCS	1.0000
.1	238-126080-602	SCREW 2.6×8mm PB	PCS	2.0000
.1	238-126080-602	SCREW 2.6×8mm PB	PCS	4.0000
.1	238-126080-602	SCREW 2.6×8mm PB	PCS	8.0000
.1	238-126080-631	SCREW 2.6×8mm PWA	PCS	2.0000
.1	238-126080-631	SCREW 2.6×8mm PWA	PCS	2.0000
.1	238-126080-631	SCREW 2.6×8mm PWA	PCS	4.0000
.1	238-130060-602	SCREW 3×6mm PB	PCS	2.0000
.1	238-130080-602	SCREW 3×8mm PB	PCS	4.0000
.1	238-130080-602	SCREW 3×8mm PB	PCS	2.0000
.1	238-130080-602	SCREW 3×8mm PB	PCS	3.0000
.1	238-130080-602	SCREW 3×8mm PB	PCS	2.0000
.1	238-130080-632	SCREW 3×8mm PWB	PCS	8.0000
.1	238-130100-602	SCREW 3×10mm PB	PCS	3.0000
.1	238-130150-602	SCREW 3×15mm PB	PCS	4.0000
.1	356-110003-091	MECHANISM DA11VF CD DECK	PCS	1.0000
.1	360-055133-012	RF-300C-10500 MOTOR	PCS	1.0000
.1	603-010001-000	LABEL	PCS	1.0000
.1	603-010002-000	LABEL	PCS	1.0000
.1	603-050001-000	LABEL	PCS	3.0000
.1	603-090004-000	LABEL IA180	PCS	1.0000
.1	603-170049-000	IA180 BACK LABEL	PCS	1.0000
.1	603-170050-000	IA180 BACK LABEL	PCS	1.0000
.1	603-900267-000	LABEL IA180	PCS	1.0000
.1	604-340005-100	IA180 BT BLACK TZH-04	PCS	1.0000
.1	730-180001-010	IA180BT(B) WATSON COLOR BOX	PCS	1.0000
.1	731-180000-010	INSTRUCTION MANUAL IA180	PCS	1.0000
.1	G210-01800-05	P.C.B. UX-G210 TUNER BD.	PCS	1.0000
..2	248-020110-011	UX-G110/XE TUNER COB.BD	PCS	1.0000
..2	301-300005-016	0 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-301005-016	10 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-431035-016	10 KOHM +-5% SMT RESISTOR	PCS	1.0000
..2	301-434735-016	47 KOHM +-5% SMT RESISTOR	PCS	1.0000
..2	302-402205-550	22PF/50V +-5% 0402 SMT C.CAP	PCS	1.0000
..2	302-441041-150	0.1UF/50V +-10% 0402 SMT C.CAP	PCS	1.0000
..2	310-004705-120	IC FOR SMT BGA SI4705-D60-GMR	PCS	1.0000
.1	MIA18-DISP-EU0	P.C.B.IA180BT DISPLAY BD	PCS	1.0000
..2	206-108330-001	DIODE RECEIVER SIR8330L	PCS	1.0000
..2	217-060650-500	H=5.0mm W=6×6mm 2P SWITCH FOR TACT	PCS	1.0000
..2	220-000125-026	DISPLAY FOR LCD RD-N1/IA100/IA150	PCS	1.0000
..2	227-080300-800	LED 3MM 红发红普亮长脚	PCS	1.0000
..2	227-080500-042	LED 5MM 白发白超高亮长脚	PCS	1.0000
..2	232-130190-110	HEADER FOR FFC 13 PINS 1.0mm R	PCS	1.0000
..2	233-041200-020	HEADER FOR 4 PINS 2.0mm R	PCS	1.0000
..2	247-030180-003	IA180BT DISPLAY BD.PCB	PCS	1.0000
..2	301-100005-014	RESISTOR SMT 1206 0 OHM +-5% 1/4W	PCS	1.0000
..2	301-300005-016	0 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-311015-016	100 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	4.0000
..2	301-313915-016	390 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000

BOM多级展开

..2	301-321025-016	1 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	2.0000
..2	301-322225-016	2.2 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-325625-016	5.6 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-331035-016	10 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	4.0000
..2	301-335635-016	56 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-341045-016	100 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	3.0000
..2	302-161062-216	10UF/16V +-20% SMT C.CAP	PCS	1.0000
..2	302-311015-550	100PF/50V +-5% 0603 SMT C.CAP	PCS	6.0000
..2	302-341041-150	0.1UF/50V +-10% 0603 SMT C.CAP	PCS	4.0000
..2	307-008050-030	TRANSISTOR FOR SMT S8050M-C SOT-23	PCS	1.0000
..2	310-008862-900	IC FOR SMT ET8862	PCS	1.0000
.1	MIA18-MIAN-EU0	P.C.B IA180BT MAIN BD	PCS	1.0000
..2	004-061062-250	10 UF/50V +-20% ELECT CAP	PCS	3.0000
..2	004-062262-250	22 UF/50V +-20% ELECT CAP	PCS	13.0000
..2	004-064762-216	47 UF/16V +-20% ELECT CAP	PCS	11.0000
..2	004-071072-216	100 UF/16V +-20% ELECT CAP	PCS	5.0000
..2	004-072272-210	220 UF/10V +-20% ELECT CAP	PCS	2.0000
..2	004-074772-210	470 UF/10V +-20% ELECT CAP	PCS	2.0000
..2	004-074772-216	470 UF/16V +-20% ELECT CAP	PCS	1.0000
..2	005-046841-199	0.68UF 100V +-10% MYLAR CAP (立式编带)	PCS	2.0000
..2	203-082216-202	2200 UF/16V +-20% ELECT CAP	PCS	2.0000
..2	207-000772-250	TRANSISTOR 2SB772-P TO-126	PCS	2.0000
..2	207-008550-020	TRANSISTOR S8550-C TO-92 HFE120-200	PCS	1.0000
..2	210-007809-039	IC CD7809CS	PCS	1.0000
..2	226-003300-001	CHOKE COIL 33uH CHOKE COIL	PCS	1.0000
..2	226-003300-002	RLC1012-330M-LF 33 CHOKE COIL	PCS	6.0000
..2	229-169344-205	CRYSTAL 16.9344 MHZ 20PF ±20PPM HC-49S 纸	PCS	1.0000
..2	229-327680-200	CRYSTAL 32.768 KHZ 12.5PF +-20PPM 3*8MM	PCS	2.0000
..2	232-130190-110	HEADER FOR FFC 13 PINS 1.0mm R	PCS	1.0000
..2	232-160190-310	HEADER FOR FFC 16 PINS 1.0mm V	PCS	1.0000
..2	233-020200-025	HEADER FOR 2 PINS 2.5mm V	PCS	2.0000
..2	233-041200-020	HEADER FOR 4 PINS 2.0mm R	PCS	2.0000
..2	233-050200-020	HEADER FOR 5 PINS 2.0mm V	PCS	1.0000
..2	233-051200-020	HEADER FOR 5 PINS 2.0mm R	PCS	1.0000
..2	233-060200-020	HEADER FOR 6 PINS 2.0mm V	PCS	1.0000
..2	235-130070-210	CABLE FOR FFC 13 PINS 70mm 1.0mm B	PCS	1.0000
..2	235-160220-110	CABLE FOR FFC 16 PINS 1.0mm 220mm A	PCS	1.0000
..2	242-000010-001	天线插座IF-01	PCS	1.0000
..2	244-104265-100	4PINS "JST" 2.5mm 100mm 26# HSG	PCS	1.0000
..2	244-205180-100	5PINS "JST" 2.0mm RD-N1 HSG	PCS	1.0000
..2	244-406280-150	6PINS 2.0mm 150mm 28# HSG	PCS	1.0000
..2	247-030180-002	IA180BT MAIN BD PCB	PCS	1.0000
..2	301-300005-016	0 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	10.0000
..2	301-301005-016	10 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	5.0000
..2	301-301505-016	15 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-302205-016	22 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	3.0000
..2	301-303305-016	33 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	2.0000
..2	301-304705-016	47 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-311015-016	100 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	8.0000
..2	301-313315-016	330 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	4.0000
..2	301-314715-016	470 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-321025-016	1 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	29.0000
..2	301-322025-016	2 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	6.0000
..2	301-322225-016	2.2 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	2.0000
..2	301-323325-016	3.3 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	2.0000
..2	301-323925-016	3.9 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	3.0000

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..2	301-324725-016	4.7 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	7.0000
..2	301-325625-016	5.6 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	8.0000
..2	301-326825-016	6.8 KOHM +-5% SMT RESISTOR	PCS	2.0000
..2	301-331035-016	10 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	44.0000
..2	301-331235-016	12 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	2.0000
..2	301-331535-016	15 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-331835-016	18 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	4.0000
..2	301-332235-016	22 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	3.0000
..2	301-332435-016	24 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-333035-016	30 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	6.0000
..2	301-333335-016	33 KOHM +-5% 0603 SMT RESISTOR	PCS	4.0000
..2	301-333935-016	39 KOHM +-5% SMT RESISTOR	PCS	2.0000
..2	301-334735-016	47 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	15.0000
..2	301-335135-016	51 KOHM +-5% SMT RESISTOR	PCS	1.0000
..2	301-336835-016	68 KOHM +-5% SMT RESISTOR	PCS	2.0000
..2	301-341045-016	100 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	10.0000
..2	301-351055-016	1 MOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	3.0000
..2	302-302205-550	22PF/50V +-5% 0603 SMT C.CAP	PCS	3.0000
..2	302-303005-550	30PF/50V +-5% 0603 SMT C.CAP	PCS	4.0000
..2	302-304705-550	47PF/50V +-5% SMT C.CAP	PCS	7.0000
..2	302-311015-550	100PF/50V +-5% 0603 SMT C.CAP	PCS	10.0000
..2	302-312215-550	220PF/50V +-5% 0603 SMT C.CAP	PCS	4.0000
..2	302-313315-550	330PF/50V +-5% 0603 SMT C.CAP	PCS	2.0000
..2	302-321021-150	0.001UF/50V +-15% 0603 SMT C.CAP	PCS	10.0000
..2	302-322221-150	0.0022UF/50V +-10% SMT C.CAP	PCS	2.0000
..2	302-322721-150	0.0027UF/50V +-10% SMT C.CAP	PCS	2.0000
..2	302-324721-150	0.0047UF/50V +-10% SMT C.CAP	PCS	1.0000
..2	302-331031-150	0.01UF/50V +-10% 0603 SMT C.CAP	PCS	7.0000
..2	302-332231-150	0.022UF/50V +-10% SMT C.CAP	PCS	1.0000
..2	302-334731-150	0.047UF/50V +-10% SMT C.CAP	PCS	1.0000
..2	302-341045-550	0.1UF/50V +-5% 0603 SMT C.CAP	PCS	76.0000
..2	302-342241-150	0.22UF/50V +-10% 0603 X7R	PCS	3.0000
..2	302-351051-150	1UF/50V +-10% 0603 SMT C.CAP	PCS	19.0000
..2	302-352251-150	2.2UF/50V +-10% 0603 SMT C.CAP	PCS	26.0000
..2	306-000034-100	DIODE FOR SMT SK34 3A	PCS	3.0000
..2	306-000099-000	DIODE FOR SMT BAV99	PCS	1.0000
..2	306-104148-000	DIODE FOR SMT LL4148	PCS	11.0000
..2	306-200033-102	DIODE FOR ZENER SMT 3.3V 1/2W LL-34	PCS	1.0000
..2	306-200056-102	DIODE FOR ZENER SMT 5.6V 1/2W LL-34	PCS	1.0000
..2	307-008050-030	TRANSISTOR FOR SMT S8050M-C SOT-23	PCS	2.0000
..2	307-008550-020	TRANSISTOR FOR SMT S8550M-C SOT-23	PCS	6.0000
..2	307-009014-030	TRANSISTOR FOR SMT 9014C SOT-23	PCS	7.0000
..2	310-001007-024	IC FOR SMT TG1007-ADJ	PCS	1.0000
..2	310-001117-133	IC FOR SMT CW1117-3.3V	PCS	2.0000
..2	310-001526-100	IC FOR SMT AIC1526-1GS	PCS	1.0000
..2	310-002314-000	IC FOR SMT PT2314	PCS	1.0000
..2	310-002402-103	IC FOR SMT AT24C02BN-SH-T ATMEL	PCS	1.0000
..2	310-002520-008	IC FOR SMT EN25F20	PCS	1.0000
..2	310-002761-104	IC FOR SMT D2761	PCS	1.0000
..2	310-004558-100	IC FOR SMT CF4558CB	PCS	1.0000
..2	310-004800-115	IC FOR SMT ETK4800	PCS	1.0000
..2	310-005673-101	IC FOR SMT M5673D A1	PCS	1.0000
..2	310-005888-100	IC FOR SMT SA5888	PCS	1.0000
..2	310-006817-100	IC FOR SMT CA6817	PCS	1.0000
..2	310-007491-143	IC FOR SMT TDA7491HV	PCS	1.0000
..2	310-007540-100	IC FOR SMT LN7540PR	PCS	1.0000

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..2	310-121616-101	IC FOR SMT A161601L-6TE	PCS	1.0000
..2	322-134000-221	SEBG160808U252MT SMT FERRITE	PCS	22.0000
..2	322-134102-220	SEBG160808U102MT SMT FERRITE	PCS	4.0000
.1	MIA18-RCTF-EU0	P.C.B.IA180BT RECTIFIER BD	PCS	1.0000
..2	001-000515-010	RESISTOR VARI 5D-9K	PCS	1.0000
..2	001-014715-010	RESISTOR VARI 10D-471K	PCS	1.0000
..2	003-042241-127	CAPACITOR MPF 0.22 UF/275V +-10%	PCS	2.0000
..2	004-062262-250	22 UF/50V +-20% ELECT CAP	PCS	1.0000
..2	152-156350-000	MSMSR-100310A	PCS	1.0000
..2	201-002740-011	RESISTOR NKNP 0.27 OHM +-1% 1W	PCS	1.0000
..2	202-021000-000	0.001 UF/400V AC (立式编带)	PCS	2.0000
..2	203-066862-450	68 UF/450V 18*28 ELECT CAP	PCS	1.0000
..2	203-081025-202	1000 UF/25V +-20% ELECT CAP	PCS	3.0000
..2	204-022200-100	222P 1KV 3A +-10 MYLAR CAP (立式编带)	PCS	1.0000
..2	206-000303-000	DIODE RECTIFIER HER303 DO-201AD	PCS	2.0000
..2	206-300107-000	DIODE RECTIFIER FR107 DO-41	PCS	2.0000
..2	206-304007-000	DIODE RECTIFIER IN4007 DO-41 52MM编带	PCS	4.0000
..2	207-000460-003	TRANSISTOR 4N60 TO-220	PCS	1.0000
..2	210-000431-003	IC TL431A TO-92	PCS	1.0000
..2	210-000817-004	IC EL-817MC	PCS	1.0000
..2	221-130075-070	12.5×7.5×0.65mm FERRITE BEAD	PCS	1.0000
..2	226-000025-000	UU10.5 25mH CHOKE COIL	PCS	1.0000
..2	226-001000-004	10uH 4A CHOKE COIL	PCS	1.0000
..2	231-911600-250	5RT-0160LIH1H A/B T1.6A 250V FUSE	PCS	1.0000
..2	233-023961-040	HEADER FOR 2 PINS KJ-3961WR 3.96mm	PCS	1.0000
..2	233-041200-025	HEADER FOR 4 PINS 2.5mm R	PCS	1.0000
..2	237-990080-000	8.0MM WIRE FOR COPPER JUMPER	PCS	3.000000
...3	403-000075-000	WIRE FOR COPPER JUMPER	KG	0.000087
..2	247-030180-000	IA180BT SMPS PWB BD.	PCS	1.0000
..2	301-101005-014	RESISTOR SMT 1206 10 OHM +-5% 1/4W	PCS	2.0000
..2	301-102205-014	RESISTOR SMT 1206 22 OHM +-5% 1/4W	PCS	2.0000
..2	301-121025-014	RESISTOR SMT 1206 1 KOHM +-5% 1/4W	PCS	1.0000
..2	301-141045-014	100 KOHM 1/4W 1206 SMT RESISTOR	PCS	2.0000
..2	301-151055-014	1 M OHM 1/4W 1206 SMT RESISTOR	PCS	6.0000
..2	301-215115-018	510 OHM +-5% 1/8W SMT RESISTOR	PCS	1.0000
..2	301-221025-018	1 KOHM +-5% 1/8W SMT RESISTOR	PCS	2.0000
..2	301-225125-018	5.1 KOHM +-5% 1/8W SMT RESISTOR (有此料号)	PCS	1.0000
..2	301-231035-018	10 KOHM +-5% 1/8W SMT RESISTOR	PCS	1.0000
..2	301-232435-018	24 KOHM +-5% 1/8W SMT RESISTOR	PCS	2.0000
..2	301-233935-018	39 KOHM +-5% 1/8W SMT RESISTOR	PCS	1.0000
..2	301-241045-018	100 KOHM +-5% 1/8W SMT RESISTOR	PCS	1.0000
..2	302-221020-300	SMT C.CAP 102P 300V+-20%	PCS	1.0000
..2	302-231031-150	0.01UF/50V +-10% SMT C.CAP	PCS	1.0000
..2	302-241041-150	104P X7R +-1% 0805 SMT C.CAP	PCS	7.0000
..2	310-000363-000	IC FOR SMT LN3C63	PCS	1.0000
..2	408-022017-012	HEAT SINK	PCS	1.0000
.1	MIA18-VOLB-EU0	P.C.B.IA180BT VOL BD	PCS	1.0000
..2	206-104148-000	DIODE 1N4148 DO-34	PCS	2.0000
..2	217-060650-500	H=5.0mm W=6×6mm 2P SWITCH FOR TACT	PCS	6.0000
..2	244-042600-150	4PINS "JST" 2.0mm 150mm HSG	PCS	1.0000
..2	244-052600-100	5PINS "JST" 2.0mm PC-X350 HSG	PCS	1.0000
..2	244-104780-350	4PINS "JST" 2.0mm 350mm HSG	PCS	1.0000
..2	244-304780-280	4PINS "JST" 2.0mm 280mm (IA150) HSG	PCS	1.0000
..2	247-030180-004	IA180BT KEY BD.PCB	PCS	1.0000
..2	253-000002-000	4PIN 2.0mm R USB CONNECTOR	PCS	1.0000
..2	270-121524-122	EC12E224204F20 ROTARY ENCODER	PCS	1.0000

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..2	301-311515-016	150 OHM +-5% 1/16W 0603 SMT RESISTOR	PCS	2.0000
..2	301-321025-016	1 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	3.0000
..2	301-321225-016	1.2 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-321825-016	1.8 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	2.0000
..2	301-322725-016	2.7 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	1.0000
..2	301-324725-016	4.7 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	3.0000
..2	301-331035-016	10 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	2.0000
..2	301-334735-016	47 KOHM +-5% 1/16W 0603 SMT RESISTOR	PCS	2.0000
..2	302-161062-216	10UF/16V +-20% SMT C.CAP	PCS	1.0000
..2	302-311015-550	100PF/50V +-5% 0603 SMT C.CAP	PCS	2.0000
..2	302-321021-150	0.001UF/50V +-15% 0603 SMT C.CAP	PCS	2.0000
..2	302-331031-150	0.01UF/50V +-10% 0603 SMT C.CAP	PCS	6.0000
..2	302-341041-150	0.1UF/50V +-10% 0603 SMT C.CAP	PCS	2.0000
..2	302-351051-150	1UF/50V +-10% 0603 SMT C.CAP	PCS	4.0000
..2	322-134000-220	SEBG160808U300MT SMT FERRITE	PCS	4.0000
..2	322-134000-221	SEBG160808U252MT SMT FERRITE	PCS	8.0000
.1	N100-27800-00	P.C.B. RD-N1 CD DOOR BD.	PCS	1.0000
..2	218-110215-109	PUSH SWITCH LF-109 PUSH SWITCH	PCS	1.0000
..2	233-050200-020	HEADER FOR 5 PINS 2.0mm V	PCS	1.0000
..2	248-020001-005	RD-N1 CD DOOR BD.PCB	PCS	1.0000
..2	302-321025-550	0.001UF/50V +-5% 0603 SMT C.CAP	PCS	2.0000
..2	302-341045-550	0.1UF/50V +-5% 0603 SMT C.CAP	PCS	1.0000
.1	MIA180B-PLST-000	PLASTIC LIST	PCS	1.0000
..2	531-018000-000	面板	PCS	1.0000
...3	006-037000-000	ABS SAMSUNG BF-0370(k21294)	KG	0.0700
..2	531-218000-001	显示支架	PCS	1.0000
...3	006-750000-000	ABS KUMHO 750SW	KG	1.0000
...3	007-020009-000	色种 AS120639-2	PCS	0.0004
..2	531-218000-002	灯支架	PCS	1.0000
...3	006-750000-000	ABS KUMHO 750SW	KG	0.0050
...3	007-020009-000	色种 AS120639-2	PCS	0.0002
..2	531-218000-003	灯盖	PCS	1.0000
...3	006-750000-000	ABS KUMHO 750SW	KG	0.0050
...3	007-020009-000	色种 AS120639-2	PCS	0.0002
..2	531-318000-000	显示镜	PCS	1.0000
...3	006-001000-000	PMMA 三菱丽阳 MF-001	KG	0.0100
..2	531-618000-001	左网架	PCS	1.0000
...3	006-425000-000	HIPS KUMHO HI425	KG	0.0300
...3	007-020020-000	色种 CM40117(750g)	PCS	0.0012
..2	531-618000-002	右网架	PCS	1.0000
...3	006-425000-000	HIPS KUMHO HI425	KG	0.0300
...3	007-020020-000	色种 CM40117(750g)	PCS	0.0012
..2	532-018000-000	中壳	PCS	1.0000
...3	006-037000-000	ABS SAMSUNG BF-0370(k21294)	KG	0.8500
..2	532-718000-000	CD门	PCS	1.0000
...3	006-037000-000	ABS SAMSUNG BF-0370(k21294)	KG	0.0150
..2	534-018000-000	底壳	PCS	1.0000
...3	006-425000-000	HIPS KUMHO HI425	KG	0.3200
...3	007-020021-000	色种 KM5027/2801黑种(250g)	PCS	0.0064
..2	534-418000-001	左隔音板	PCS	1.0000
...3	006-425000-000	HIPS KUMHO HI425	KG	0.0320
...3	007-020021-000	色种 KM5027/2801黑种(250g)	PCS	0.0006
..2	534-418000-002	右隔音板	PCS	1.0000
...3	006-425000-000	HIPS KUMHO HI425	KG	0.0030
...3	007-020021-000	色种 KM5027/2801黑种(250g)	PCS	0.0006
..2	535-118000-000	电源钮	PCS	1.0000

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...3	006-037000-000	ABS SAMSUNG BF-0370(k21294)	KG	0.0050
..2	535-318000-001	功能钮	PCS	1.0000
...3	006-037000-000	ABS SAMSUNG BF-0370(k21294)	KG	0.0050
..2	667-100000-000	牛线夹	PCS	1.0000
...3	006-210000-000	PA66 21SPC	KG	0.0050
...3	007-020021-000	色种 KM5027/2801黑种(250g)	PCS	0.0001
..2	670-100000-000	CD机芯大架	PCS	1.0000
...3	006-750000-000	ABS KUMHO 750SW	KG	0.0600
...3	007-020021-000	色种 KM5027/2801黑种(250g)	PCS	0.0012
..2	671-000000-000	机芯小架	PCS	1.0000
...3	006-750000-000	ABS KUMHO 750SW	KG	0.0250
...3	007-020021-000	色种 KM5027/2801黑种(250g)	PCS	0.0005
..2	673-100009-000	CD托盘	PCS	1.0000
...3	006-750000-000	ABS KUMHO 750SW	KG	0.0400
...3	007-020009-000	色种 AS120639-2	PCS	0.0008
..2	674-100000-001	吸盘	PCS	1.0000
...3	006-750000-000	ABS KUMHO 750SW	KG	0.0050
...3	007-020021-000	色种 KM5027/2801黑种(250g)	PCS	0.0002
..2	674-100000-002	桥架	PCS	1.0000
...3	006-750000-000	ABS KUMHO 750SW	KG	0.0120
...3	007-020021-000	色种 KM5027/2801黑种(250g)	PCS	0.0002
..2	674-100000-003	机芯滑块	PCS	1.0000
...3	006-904400-000	POM 宝理 M90-44	KG	0.0050
..2	674-100000-004	双连齿轮	PCS	1.0000
...3	006-904400-000	POM 宝理 M90-44	KG	0.0050
..2	674-100000-005	滑动齿轮	PCS	1.0000
...3	006-904400-000	POM 宝理 M90-44	KG	0.0050
..2	675-000000-000	马达皮带轮	PCS	1.0000
...3	006-904400-000	POM 宝理 M90-44	KG	0.0050
..2	678-018000-000	背光镜	PCS	1.0000
...3	006-001000-000	PMMA 三菱丽阳 MF-001	KG	0.0100
..2	679-018000-000	遥控镜	PCS	1.0000
...3	006-001000-000	PMMA 三菱丽阳 MF-001	KG	0.0050