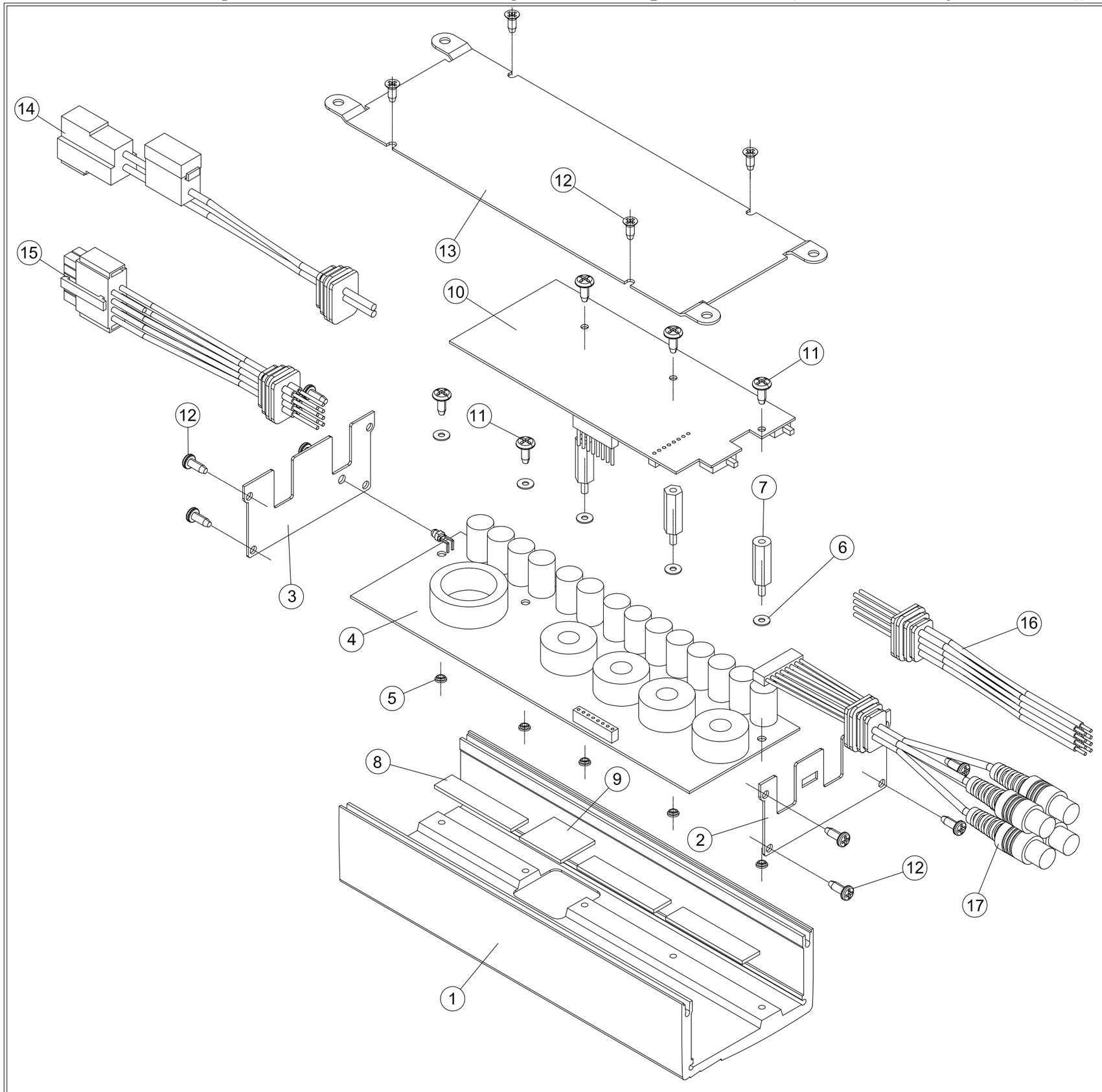

REVISIONS			
REV	DESCRIPTION	DATE	APRVD
1			
2			
3			

PART NO.	DESCRIPTION	MATERIAL	UNIT	LOCATION NO.
16080318510	SPEAKER INPUT	A'SSY	1	17
16080318500	RCA INPUT	A'SSY	1	16
16080318300	SPEAKER OUTPUT	A'SSY	1	15
16080318400	POWER INPUT	A'SSY	1	14
11090107400	COVERBOTTOM PANEL	EGI 1.0t	1	13
16090117801	SCREW	PH2.9*6	12	12
16090203110	SCREW	BH3*8	5	11
34100112	SUB PCB ASSY	A'SSY	1	10
24100115	GEL PAD	GP-1500	1	9
16170201200	GEL PAD	GP-1500	3	8
11080500800	SUPPORT	BRASS	3	7
16110103600	FLAT GASKET	SPCC	5	6
11090107500	PCB SUPPORT	ALUMINIUM	5	5
34100111	MAIN PCB ASSY	A'SSY	1	4
24100117	COVER REAR PANEL	EGI 1.0t	1	3
24100116	COVER FRONT PANEL	EGI 1.0t	1	2
24100115	HEAT SINK	ALUMINIUM	1	1

NO	PART'S NAME	MATERIAL	Q'TY	SPECIFICATION	REMARK

GRD DIM	A	B	C
1~10	0.05	0.1	0.2
10 ~ 100	0.1	0.2	0.3
100 ~ 500	0.2	0.3	0.5
500 ~ 1000	0.3	0.5	1.5

THIRD ANGLE

UNIT	SCALE	DATE
MM	1/1	2013.03.30

DRAW	DESIGN	CHECK	CHECK	APPRO
			O. Y . I	

Systec Co.,Ltd

MODEL: POWER BOX

RELA DRAW NO:

NAME: EXPLODED VIEW

CODE NO.:

ISSUE: ∅

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BOM

RoHS

No.	ERP	part	description	Qty	Part No
	24100111		XC1410 main for SMT		
1	14130311800	PCB	XC1410 main board 4layer FR-4 165X55MM 2oz	1	green mask
2	14021700120	Resistor	SMD0805 1 OHM 5% ROHS	4	R475 R275 R175 R375
3	14021700200	Resistor	SMD0805 4.7 OHM 5% ROHS	6	R171A R171 R272 R472 R372 R172
4	14021400115	Resistor	SMD0805 10 OHM 5% ROHS	10	R496 R497 R297 R296 R196 R197 R397 R396 R160 R159
5	14021700710	Resistor	SMD0805 47 OHM 5% ROHS	12	R274 R174 R473 R474 R373 R740 R173 R741 R744 R745 R374 R273
6	14021701010	Resistor	SMD0805 100 OHM 5% ROHS	2	R707 R709
7	14021702320	Resistor	SMD0805 1K OHM 5% ROHS	3	R754 R706 R708
8	14021702700	Resistor	SMD0805 1.8K OHM 5% ROHS	1	R739
9	14021703000	Resistor	SMD0805 2.2K OHM 5% ROHS	2	R704 R724
10	14021703210	Resistor	SMD0805 2.7K OHM 5% ROHS	1	R718
11	14021703300	Resistor	SMD0805 3K OHM 5% ROHS	1	R710
12	14021703820	Resistor	SMD0805 4.7K OHM 5% ROHS	2	R705 R702
13	14021704410	Resistor	SMD0805 8.2K OHM 5% ROHS	1	R738
14	14021704630	Resistor	SMD0805 10K OHM 5% ROHS	9	R757 R758 R728 R723 R722 R716 R715 R774 R781
15	14021705210	Resistor	SMD0805 22K OHM 5% ROHS	8	R701 R776 R780 R711 R777 R778 R779
16	14021705910	Resistor	SMD0805 47K OHM 5% ROHS	1	R756
17	14021706110	Resistor	SMD0805 56K OHM 5% ROHS	1	R783
18	14021706200	Resistor	SMD0805 75K OHM 5% ROHS	1	R755
19	14021706410	Resistor	SMD0805 100K OHM 5% ROHS	4	R727 R725 R720 R703
20	14021706431	Resistor	SMD0805 110K OHM 1% ROHS	1	R713
21	14021706710	Resistor	SMD0805 180K OHM 1% ROHS	1	R714
22	14021706900	Resistor	SMD0805 220K OHM 5% ROHS	1	R770
23	14021706961	Resistor	SMD0805 270K OHM 1% ROHS	1	R712
24	14021707100	Resistor	SMD0805 330K OHM 5% ROHS	2	R771 R717

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RoHS

No.	ERP	part	description	Qty	Part No
25	14021600900	Resistor	SMD0603 100 OHM 5% ROHS	1	R162
26	14021601001	Resistor	SMD0603 110 OHM 5% ROHS	4	R258 R458 R158 R358
27	14021602700	Resistor	SMD0603 1K OHM 5% ROHS	5	R169 R255 R155 R355 R455
28	14021603200	Resistor	SMD0603 4.3K OHM 5% ROHS	4	R456 R156 R256 R356
29	14021603300	Resistor	SMD0603 4.7K OHM 5% ROHS	5	R164 R266 R466 R166 R366
30	14021603500	Resistor	SMD0603 5.6K OHM 5% ROHS	4	R465 R265 R165 R365
31	14021603700	Resistor	SMD0603 6.8K OHM 5% ROHS	1	R163
32	14021603800	Resistor	SMD0603 10K OHM 5% ROHS	8	R763 R761 R760 R762 R267 R167 R467
33	14021604300	Resistor	SMD0603 22K OHM 5% ROHS	1	R759
34	14021404025	Resistor	SMD0603 27K OHM 5% ROHS	4	R468 R268 R168 R368
35	14021604800	Resistor	SMD0603 47K OHM 5% ROHS	4	R257 R157 R357 R457
36	14021605200	Resistor	SMD0603 100K OHM 5% ROHS	5	R751 R752 R750 R753 R161
37	14021605400	Resistor	SMD0603 220K OHM 5% ROHS	1	R170
38	14022101100	Resistor	SMD1210 5.6K OHM 5% ROHS	4	R276 R176 R476 R376
39	14021440720	Resistor	SMD2512 1.5K OHM/1W 5% ROHS	2	R125A R124A
40	14021440885	Resistor	SMD2512 4.7K OHM/1W 5% ROHS	2	R792 R790
41	14021440400	Resistor	SMD2512 10 OHM/1W 5% ROHS	4	R477 R277 R177 R377
42	14041401400	Capacitor	0603 50V-102(10%) X7R ROHS	12	C460 C246 C260 C442 C342 C142 C242 C360 C446 C160 C146 C346
43	14041405000	Capacitor	0603 50V-222 X7R 2n2 10% ROHS	8	C145 C144 C244 C445 C444 C245 C344 C345
44	14042000710	Capacitor	SMD0805 220PF/100V X7R 10% ROHS	8	C167 C366 C466 C467 C266 C166 C267
45	14042001560	Capacitor	SMD0805 103PF/100V X7R 10% ROHS	4	C458 C358 C258 C158
46	14042002010	Capacitor	SMD0805 104PF/50V X7R 10% ROHS	8	C702 C751 C147 C703 C712 C754 C752
47	14042002060	Capacitor	SMD0805 104P/100V X7R 10% ROHS	14	C155 C355 C455 C453 C255 C253 C353 C259 C153 C159 C459 C359 C361 C363
48	14042206200	Capacitor	SMD1206 475PF/16V X7R 10% ROHS	2	C715 C711
49	14042206100	Capacitor	SMD1206 106PF/16V X7R 10% ROHS	6	C150 C148 C762 C141 C149 C152

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RoHS

No.	ERP	part	description	Qty	Part No
50	14022100900	Capacitor	SMD1210 106PF/25V X7R 10% ROHS	1	C701
51	14022100600	Capacitor	SMD1210 226PF/16V X7R 10% ROHS	5	C451 C151 C351 C251 C140
52	14041800510	Capacitor	SMF40 10u/25V 4x5.4 ROHS	4	C243 C343 R443 C143
53	14080207110	IC	MLPQ48 IRS2093M	1	IC113
54	14080207250	IC	SOIC16 TL494I	1	IC701
55	14080207350	IC	SOIC08 LM393	1	IC702
56	14060401000	Diode	TO252 78M12	1	IC705
57	14070600300	MOS	DIRECTFET IRF7665S2	8	Q305 Q306 Q406 Q405 Q206 Q205 Q106 Q105
58	14070600400	MOS	DIECTFET IRF6648	4	Q716,Q717,Q720,Q721
59	14070301500	transistor	SOT23 MMBTA06	9	Q731 Q730 Q704 Q701 Q750 Q712 Q710 Q751 Q741
60	14070301400	transistor	SOT23 MMBTA56	9	Q732 Q752 Q753 Q729 Q703 Q702 Q713 Q711 Q740
61	14060902300	Diode	SOT23 KDS193	6	D713 D707 D711 D712 D104 D714
62	14060902500	Diode	SOD323 BAV20WS	4	D305 D105 D405 D205
63	14060902610	Diode	DO214AC ES1DL	13	D307 D106 D206 D306 D407 D308 D408 D107 D207 D208 D702 D108 D406
64	14060902400	Diode	SOD123 BZT52C8V2	1	D703
65	17010300300	solder paste	Rohs	1	
	24100112		XC1410 SUB SMT		
1	14130311900	PCB	SUB board 2layer FR-4 1oz 127*55mm	1	green mask
2	14021703820	Resistor	SMD0805 4.7K OHM 5% ROHS	4	R416 R316 R216 R116
3	14021704630	Resistor	SMD0805 10K OHM 5% ROHS	8	R114 R214 R314 R414 R127 R227 R327
4	14021704700	Resistor	SMD0805 12K OHM 5% ROHS	8	R219 R419 R319 R129 R215 R115 R415
5	14021705010	Resistor	SMD0805 18K OHM 5% ROHS	4	R417 R317 R217 R117
6	14021705100	Resistor	SMD0805 20K OHM 5% ROHS	4	R113 R213 R313 R413
7	14021705220	Resistor	SMD0805 24K OHM 5% ROHS	4	R420 R320 R220 R130

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RoHS

No.	ERP	part	description	Qty	Part No
8	14021705470	Resistor	SMD0805 30K OHM 0.1% ROHS	16	R108 R109 R107 R106 R207 R209 R208 R206 R309 R307 R407 R308 R306 R406 R409 R408
9	14021705550	Resistor	SMD0805 36K OHM 5% ROHS	4	R418 R218 R128 R318
10	14021705910	Resistor	SMD0805 47K OHM 5% ROHS	11	R112 R212 R119 R105 R205 R305 R405 R120 R121 R312 R412
11	14021706410	Resistor	SMD0805 100K OHM 5% ROHS	2	R123 R122
12	14021706800	Resistor	SMD0805 200K OHM 0.1% ROHS	8	R402 R403 R303 R302 R202 R203 R103 R102
13	14021901900	Resistor	SMD1206 2.2K 0.25W 5% ROHS	4	R101 R201 R401 R301
14	14042000500	Capacitor	SMD0805 47P/50V X7R 10% ROHS	8	C107 C106 C206 C306 C406 C407 C307 C207
15	14041400130	Capacitor	SMD0805 220P/50V X7R 10% ROHS	8	C204 C304 C404 C403 C303 C203 C103 C104
16	14042001010	Capacitor	SMD0805 102P/50V X7R 10% ROHS	8	C102 C101 C201 C202 C302 C301 C401 C402
17	14042002010	Capacitor	SMD0805 104P/50V X7R 10% ROHS	8	C130 C132 C110 C112 C136 C134 C139 C138
19	14022100600	Capacitor	SMD1210 226PF/16V X7R 10% ROHS	2	C111 C113
20	14080210500	IC	SOIC16 NJU201A(NJU7301)	3	IC103 IC104 IC105
21	14080207400	IC	SOIC08 NJM4580	8	IC306 IC106 IC206 IC301 IC406 IC101 IC302 IC102
22	14060401100	Diode	TO252 78M15	1	IC703
23	14060401200	Diode	TO252 79M15	1	IC704
24	14060904600	Diode	US6 HN1D04FU	4	D201 D401 D301 D101
25	14021500500	Bead	SMD1206 HB-1T3216-202 J	16	FB403 FB304 FB404 FB303 FB103 FB104 FB401 FB302 FB402 FB301 FB101 FB102 FB202 FB204 FB203 FB201

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RoHS

No.	ERP	part	description	Qty	Part No
26	14070301600	transistor	SOT23 KTD1304	4	Q201 Q401 Q301 Q101
27	14041800510	Capacitor	SMF40 10u/25V 4x5.4 ROHS	6	C408 C308 C208 C108 C133 C131
28	17010300300	solder paste	Rohs	0.8	

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RoHS

No.	ERP	part	description	Qty	Part No
	24100113		XC1410 Main board for AI		
1	14041540000	Capacitor	MYLAR BOX 100V 682PF J P=5	1	C709
2	14040700900	Capacitor	MYLAR BOX 105PF/100V J	2	C156 C356
3	14041604920	Capacitor	CD110-50V-22μF (5X11) M	1	C714
4	14041605130	Capacitor	CD110-35V-47μF (5X11) M	4	C137 C135 C708 C710
5	14041605220	Capacitor	CD110-25V-100μF (6.3X11) M	1	C750
6	14041605520	Capacitor	CD110-25V-470μF (8X14) M P=5mm	1	C760
7	14041605530	Capacitor	CD110-35V-470μF-105度 (10X16) M P=5mm	14	C731 C737 C738 C739 C740 C732 C733 C734 C723 C720 C736 C722 C721 C730
8	14060300310	diode	ZENER 1W 1N4734 5.6V	2	D110 D111
	24100114		XC1410 SUB board for AI		
1	14041540800	Capacitor	MYLAR BOX 100V 104PF J	16	C416 C117 C215 C315 C318 C218 C115 C418 C118 C415 C316 C417 C217 C317 C116 C216

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RoHS

No.	ERP	part	description	Qty	Part No
	34100111		XC1410 Main board for MI		
	24100111		XC1410 Main board for SMT	1	
1	24100113		XC1410 Main board for AI	1	
2	14021101600	Thermistor	SMALL DISC MFEW-2002-3950	1	TH701
3	14060103700	diode	TO220 MUR1620CT	1	D719
4	14060103800	diode	TO220 MUR1620CTR	1	D721
5	14060503800	LED	BLUE/RED DUAL COMMON CATHODE	1	D710
6	13030102900	Support	LED support Φ6*3mm 3pin Rohs	1	
7	14020601350	Resistor	RY17-2W-560Ω±5%	2	R124 R125
8	14040700900	Capacitor	MYLAR BOX 105PF/100V J	2	C456 C256
9	14090302600	transformer	TOROIDAL 25PHI/ φ1*3*6T:φ1*2*10T	1	TC501
10	16170108730	rubber pad	#25/ thickness 0.5mm 105℃	1	
11	14050106600	inductor	TOROIDAL 18PHI 15UH	4	TL101 TL301 TL401 TL201
12	14050106700	inductor	TOROIDAL 16PHI 150UH（130uh~200uh）	1	L701
13	16170109700	rubber pad	#18--#8/ thickness 0.5mm 105℃	4	
14	16170109800	rubber pad	8*4.5/ thickness 4mm 105℃	1	
15	14111620100	socket	pitch=2.54mm	0.25	CN501
16	16080318300	cable	XC1410 OUTPUT WIRE<A>	1	
17	16080318400	cable	XC1410 POWER WIRE<A>	1	
18	17010200600	solder bar	Rohs	15	
19	17010600400	solder wire	Rohs	13	
20	17010500100	scaling powder	flux Rohs	10	
	34100112		XC1410 SUB board for MI		
1	24100112		XC1410 SUB board for SMT	1	
2	24100114		XC1410 SUB board for AI	1	
3	14100104110	switch	SK-12D02 h=5mm	1	SW101
4	14100104310	switch	SK-23D07 h=5mm	1	SW102
5	14111601110	pin head	pitch=2.54mm 3+10+6.5	0.2	CN501B
6	16080318500	cable	XC1410 8PIN RCA INPUT	1	CN503
7	16080318510	cable	XC1410 8PIN HIGH INPUT	1	CN502
8	17010200600	solder bar	Rohs	15	
9	17010600400	solder wire	Rohs	13	
10	17010500100	scaling powder	flux Rohs	10	

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RoHS

No.	ERP	part	description	Qty	Part No
	94106011		XC1410 Car Amplifier for Clarion		
	44100111		XC1410 Assemble	1	
1	34100111		XC1410 Main board for MI	1	
2	34100112		XC1411 Sub board for MI	1	
3	24100115	Heat Sink	AL (378g) anodize and Hair line PANTONE 8400 for print	1	
4	24100116	front panel	steel (68.2*33.7*1.0) PANTONE 8400 for print	1	
5	24100117	rear panel	steel (68.2*33.7*1.0) PANTONE 8400 for print	1	
6	11090107400	bottom cover	steel (204*66*1.0) PANTONE 8400 for print	1	
7	11090107500	PCB support	AL pad	5	
8	11080500800	support	M3*17.5 / 6mm (7+17.5)	3	
9	16090117801	screw	ST2.9*6 Pan head white ROHS	12	for side panel
10	16090203110	screw	M3*8 Bind head black ROHS	5	PCB
11	16110103600	washer	white #3-7 thickness 0.5mm	5	
12	16170201200	silicon pad	Gp-1500 (Berquist) 40*11/1.0	3	435*207mm /180pcs
13	16170201200	silicon pad	Gp-1500 (Berquist) 25*23/1.0	1	435*207mm/140pcs
14	17040100290	silicon glue	white DX-4894	10	300ml/pc
15	17070102000	glue	black Rohs	3	
16	17040100100	silicon grease	Rohs 80G/pc	5	
	94106011		Packing material		
1	44100111		XC1410 assembly	**1**	
2	15010507900	master carton	570mm*330mm*290mm/10pcs AB 0201	0.1	7Kg/11.7Kg
3	15050306200	giftbox	260mm * 155mm*110mm for XC1410	1	
4	15130109400	foam	149mm*104mm*59mm black EPE ROHS	2	
5	15120227500	polybag	12*30*8S	2	
6	15120401001	bubble bag	10cm*15cm white	2	
7	16080318310	cable	XC1410 OUTPUT WIRE<B>	1	
8	16080318410	cable	XC1410 POWER WIRE<B>	1	

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RoHS

No.	ERP	part	description	Qty	Part No
9	15090309500	Manual	210*144mm/24page	1	
10	15090308710	Wrranty card	60g、 148*200MM Print for 2layer	1	
11	15120206610	polybag	16*26CM*14S(2 side) PE-LD 04 for manual	1	
12	15080136300	label	65*46mm	1	
13	15190101800	label	22*8mm	1	
14	15190101700	label	90*25mm	3	
15	17060100400	tape	12mm*18M ROHS	0.3	
16	17060100700	tape	60MM*45M ROHS	3.2	

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RoHS

No.	ERP	part	description	Qty	Part No
1	24100115	heat sink			
	11090107100	heat sink	AL (378g) anodize and Hair line PANTONE 8400 for print	1	HHS7.031.038
	17070119100	ink	710 Black	0.25	
	17070119200	ink	120 white	0.25	
	17070108200	ink	783	1	
	17070108000	clean	718	2	
2	24100116	front panel			
	11090107200	front panel	steel (68.2*33.7*1.0) PANTONE 8400 for print	1	HHS8.061.188
	17070119100	ink	710 black	0.1	
	17070119200	ink	120 white	0.1	
	17070108200	ink	783	1	
	17070108000	clean	718	2	
3	24100117	rear panel			
	11090107300	rear panel	steel (68.2*33.7*1.0) PANTONE 8400 for print	1	HHS8.061.189
	17070119100	ink	710 black	0.1	
	17070119200	ink	120 white	0.1	
	17070108200	ink	783	1	
	17070108000	clean	718	2	