

Model Name : FR-464

Parts List

No	Parts Name	Specifications	Maker	Q'ty	Descriptions
01	Cap.Tantal,SMD	35MC224M	Marcon	1	C501
02	Cap.Tantal,SMD	10MCM106M-S1	Marcon	1	C112
03	Cap.Tantal,SMD	25MCS105M	Marcon	1	C511
04	Cap.Tantal,SMD	16MCM475M	Marcon	14	C119,120,309,312,315,403,414,420,424,502,508,524,527,611
05	Cap.Tantal,SMD	6MCM476MBB2	Marcon	1	C331
06	CAP-CER,1608	GRM39COG0R5C50	MURATA	4	C103,218,221,322
07	CAP-CER,1608	GRM39COG010C50	MURATA	2	C211,219
.....	CAP-CER,1608	GRM39COG020C50	MURATA	2	C206,209
09	CAP-CER,1608	GRM39COG030C50	MURATA	3	C 204321,329
10	CAP-CER,1608	GRM39COG040C50	MURATA	4	C117,220,226,319
11	CAP-CER,1608	GRM39COG050C50	MURATA	5	C116,205,215,217, 222
12	CAP-CER,1608	GRM39COG060D50	MURATA	2	C101,105
13	CAP-CER,1608	GRM39COG080D50	MURATA	4	C121,122,320,326
14	CAP-CER,1608	GRM39COG100D50	MURATA	1	C318
15	CAP-CER,1608	GRM39COG110J50	MURATA	2	C102,104
16	CAP-CER,1608	GRM39COG120J50	MURATA	1	C110,115
17	CAP-CER,1608	GRM39COG220J50	MURATA	2	C213,301
18	CAP-CER,1608	GRM39COG180J50	MURATA	2	C327,602
19	CAP-CER,1608	GRM39COG270J50	MURATA	1	C606
20	CAP-CER,1608	GRM39COG330J50	MURATA	4	C212,417,418,607
21	CAP-CER,1608	GRM39COG560J50	MURATA	2	C109,304
22	CAP-CER,1608	GRM39COG820J50	MURATA		
23	CAP-CER,1608	GRM39COG101J50	MURATA	8	C302,303,313,419,512,603,604,608
24	CAP-CER,1608	GRM39COG121J50	MURATA	1	C106
25	CAP-CER,1608	GRM39COG221J50	MURATA	1	C202
26	CAP-CER,1608	GRM39COG331J50	MURATA	1	C333
27	CAP-CER,1608	GRM39X7R561K50	MURATA	2	C111,123
28	CAP-CER,1608	GRM39Y5V102K50	MURATA	36	C108,118,207,208,214,216,223,305-307,310,311,323,324,332,334,404,406-410,412,413,421,425,(427),428,429,430,507,519,522,523,529,535,610
29	CAP-CER,1608	GRM39X7R182K50	MURATA	2	C514,520
29-1	CAP-CER,1608	GRM39X7R332K50	MURATA	1	C502
30	CAP-CER,1608	GRM39X7R472K50	MURATA	5	C113,125,516,518
31	CAP-CER,1608	GRM39Y5V103Z50	MURATA	6(1)	C124,415,422,(426),325,531,609
32	CAP-CER,1608	GRM39X7R223K50	MURATA	5	C314,316,317,330,530
33	CAP-CER,1608	GRM39X7R473K50	MURATA	3	C513,532,613
34	CAP-CER,1608	GRM39Y5V104Z25	MURATA	12	C401,402,416,423,504,509,510,526,528,525,533,605
35	CAP-CER,1608	GRM39Y5V474Z25	MURATA	4	C505,506,534,612
36	RES,CF,5%,SMD	CR1/16W000JV	HANRYUK	2	R422,532
37	RES,CF,5%,SMD	CR1/16W4R7JV	HANRYUK	2	R534,535
38	RES,CF,5%,SMD	CR1/16W100JV	HANRYUK	6	R303-305,408,419,511
39	RES,CF,5%,SMD	CR1/16W220JV	HANRYUK	4(1)	R204,320,(421),530,606
40	RES,CF,5%,SMD	CR1/16W470JV	HANRYUK	2	R417,418
41	RES,CF,5%,SMD	CR1/16W101JV	HANRYUK	2	R209,306
42	RES,CF,5%,SMD	CR1/16W151JV	HANRYUK	3	R111,203,210,
43	RES,CF,5%,SMD	CR1/16W221JV	HANRYUK		
44	RES,CF,5%,SMD	CR1/16W271JV	HANRYUK	1	R529
45	RES,CF,5%,SMD	CR1/16W331JV	HANRYUK	1	R102
46	RES,CF,5%,SMD	CR1/16W471JV	HANRYUK	4	R103,319,323,541
47	RES,CF,5%,SMD	CR1/16W102JV	HANRYUK	4	R107,211,543,607
48	RES,CF,5%,SMD	CR1/16W122JV	HANRYUK	1	R110,113
49	RES,CF,5%,SMD	CR1/16W152JV	HANRYUK	3	R308,309,605

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50	RES,CF,5%,SMD	CR1/16W182JV	HANRYUK	2	R108,505
51	RES,CF,5%,SMD	CR1/16W222JV	HANRYUK	6	R112,213,501,523,524,542
52	RES,CF,5%,SMD	CR1/16W272JV	HANRYUK	3	R105,526,608
53	RES,CF,5%,SMD	CR1/16W332JV	HANRYUK	2	R307,601
54	RES,CF,5%,SMD	CR1/16W392JV	HANRYUK	2	R302,525
55	RES,CF,5%,SMD	CR1/16W472JV	HANRYUK	7	R104,315,412,504,508,519,527
56	RES,CF,5%,SMD	CR1/16W562JV	HANRYUK		
57	RES,CF,5%,SMD	CR1/16W682JV	HANRYUK	5	R108,402,522,537,544
58	RES,CF,5%,SMD	CR1/16W822JV	HANRYUK	1	R515
59	RES,CF,5%,SMD	CR1/16W103JV	HANRYUK	9	R114,310~314,316,409,411
60	RES,CF,5%,SMD	CR1/16W153JV	HANRYUK	1	R536
61	RES,CF,5%,SMD	CR1/16W183JV	HANRYUK	1	R503
62	RES,CF,5%,SMD	CR1/16W223JV	HANRYUK	9	R214,403,424,512,517,518,520,521,540
63	RES,CF,5%,SMD	CR1/16W333JV	HANRYUK	2	R201,212
64	RES,CF,5%,SMD	CR1/16W473JV	HANRYUK	7	R207,317,321,506,510,603,539
65	RES,CF,5%,SMD	CR1/16W563JV	HANRYUK	2	R301,507
66	RES,CF,5%,SMD	CR1/16W104JV	HANRYUK	11	R401,405,407,410,413~415,420,507,509,538
67	RES,CF,1%,SMD	CR1/16W154KV	HANRYUK	3	R404,406,502
68	RES,CF,5%,SMD	CR1/16W824JV	HANRYUK	1	R602
69	RES,CF,5%,SMD	CR1/16W224JV	HANRYUK	1	R513
70	RES,CF,5%,SMD	CR1/16W274JV	HANRYUK	4	R423,502,514,516
71	RES,CF,5%,SMD	CR1/16W474JV	HANRYUK	1	R604
72	RES,CF,5%,SMD	CR1/16W105JV	HANRYUK	1	R416
73	RES,CF,5%,SMD	CR1/8W472JV	HANRYUK	1	R101
74	C-MIC,PCB	Ecm-80B(-44±2dB)	CQ	1	MC401
75	Crystal Filter	21.4N15A,SMD	Hz	1	XFL201
76	Ceramic Filter	LTM455HT	CQ	1	FL601
77	SP/MIC JACK	SHQ8405-010015	Hosiden	1	J401
78	Chip Coil,J,0805	0805AS-047J-01	FASTRON	1	L107
79	Chip Coil,J,0805	0805AS-6N8J-01	FASTRON	1	L109
80	Chip Coil,J,0805	0805AS-8N2J-01	FASTRON	1	L106
81	Chip Coil,J,0805	CIL21J1R0K	SS	1	L301
82	Chip Coil,J,1608	LL1608-FH47NJ	TOKO	1	L108
83	Chip Coil,J,1608	LL1608-FH22NJ	TOKO	1	L206
84	Chip Coil,J,1608	LL1608-FH27NJ	TOKO	4	L110,111,303,304
85	Coil,air,SMD,15n	0.26-0.9-5TR	STEWART	5	L201~205
86	Coil,air,SMD,8n	260903TL	STEWART	1	L302
87	Coil,air,SMD,23n	260907L	STEWART	4	L101~104
88	Chip Coil,J,1uH	1008CS-102-XKBC	FASTRON	1	L105
89	Chip Coil,J,3.3uH	FSLM2520-3R3J	TOKO	1	L208
90	DIODE,SW,SMD	KDS226	KEC	2	D202,501
91	DIODE,SW,SMD	KDS114	KEC	3	D103,203,303
92	DIODE,SW,SMD	KDS121	KEC	3	D402,405,407
93	DIODE,RE,SMD	SIG		1	D401
94	DIODE,PIN,SMD	MMBV3401L	MOT	2	D101,201
95	DIODE,VVC	1SV229	TOSHIBA	2	D301,302
96	LED-LAMP,RED	SLSNNUR101TS	SS	1	D403
97	LED-LAMP,GRN	SLSNNYG101TS	SS	1	D406
98	LED-LCD,GRN	SLSNNYG401TM	SS	1	D404
99	TR-SW,SMD	KRA305	KEC	9	Q309,405~411,(413)
100	TR-SW,SMD	KRA309	KEC	1	Q412
101	TR-SW,SMD	KRC404	KEC	4	Q415,504,505,507
102	TR-SW,SMD	KRC411	KEC	1	(Q414)
103	TR-SW,SMD	KTC4075	KEC	6	Q105,302,403,416,502,506
104	TR-SW,SMD	KTC4080	KEC	1	Q204
105	TR-SW,SMD	KRA225S	KEC	1	Q501

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106	TR-SW,SMD	KTA2014	KEC	1	Q402
107	TR-SW,SMD	KTA1663	KEC		Q104,401
108	TR-RF,SMD	2SC4226R25	NEC	4	Q101,102,301,305
109	TR-RF,SMD	AT31625	HP	1	Q103
110	TR-RF,SMD	BFQ67W-GS0812	TEMIC	2	Q201,303
111	FET-RF,SMD	BF998RA(MOR)GS0812	TEMIC	1	Q203
112	IC,Ucom,OTP, 12K IC,Ucom,mask,1 2k	HD4078812F HD4048812-XXX- 2k	HITACHI	1	U401
113	IC,PLL,SMD	U2781B	TEMIC	1	U301
114	IC,IF-DET,SMD	TA31136FN	TOSHIBA	1	U601
115	IC,AMP,SMD	NJM2073	JRC	1	U503
116	IC,Sub Audio,SMD	CMX808A	CML	1	U502
117	IC,REG,SMD	TK11230M	TOKO	1	U403
118	IC,OP AMP,SMD	LM2902M	MOT/NS	1	U501
119	IC,EEPROM, SMD	AT24C02N-10SI-2.7	ATMEL	1	U402
120	THERMISTOR, SMD,1608	NTCC16Y100K410H	TAMA	1	TH601
121	TRIMMER,2Ø 10PF	TZV03Z100A110	MURATA	1	VC301
122	CERAMIC Filter	JTBM455C24	CQ	1	FL602
123	OSC,XTAL,	20.945M/15-30ppm	SEIKO	1	X601
124	OSC,XTAL,SMD	4.032M/16SX1 or 4.032M,HC-49S,SMD (32P,30ppm)	SUNNY CQ	1	X401
125	OSC,4ppm,SMD	12.8(-10-60/3ppm)	Nikko Den	1	X301
126	TACT-SW,SMD	SKQTLA0003	ALPS	1	SW401
127	PCB	FR4/FR464-4	Deamyung	1	
128	ANT	KEH-465S-AH3	GUSAN	1	
129	ZEBRA,YI	YI0.18/18.5/1.8/5.8	POLY	1	
130	Vibration motor	ME-SM40-10-V30	EDIT	1	(MT401)

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