

Parts list for Monster FM transmitter
FCC ID RJE 169202-00

IPOD CONNECTOR BOARD

ITEM	QTY	DESC	VALUE	PKG	REF DESIG
1	4	Ceramic SM Capacitor	0.1MFD	603	C5 C14 C13 C12
2	1	Ceramic SM Capacitor	0.33MFD	603	C3
3	2	Ceramic SM Capacitor	22PF	603	C1 C2
4	1	Ceramic SM Capacitor	10MFD	805	C4
5	1	CONNECTOR, IPOD OEM			J5
6	1	CRYSTAL,PAR, 18PF, CYLINDER	3.6864MHZ	3X10MM	Y2
7	1	IC, REGULATOR, 5V	L78L05	SOT-89	U2
8	1	LED, RED, SMT	APT1608EC	603	D1
9	1	MICRO,AVR,16K	ATMEGA168	TQFP32	U1
10	1	PCB, 2-LAYER, .040	154007F		
11	1	Resistor 1/16W 1%	549K 1%	603	R10
12	2	Resistor 1/16W 5%	100 OHM	603	R3 R5
13	3	Resistor 1/16W 5%	10K	603	R20 R2 R6
14	1	Resistor 1/16W 5%	22K	603	R1
15	1	Resistor 1/16W 5%	33K	603	R7
16	3	SWITCH TACT, SMT,LO-PRO,3.14N	SKQYAAFE010	6.1X3.7X2.54MM	SW1 SW2 SW3
17	3	ZEN ER, 5.6V, SMT	BZX84C5V6	SOT-23	Z3 Z2 Z1
18	1	Resistor 1/16W 5%	200 OHM	603	R8
19	1	Resistor 1/16W 5%	330 OHM	603	R4

CONNECTOR PLASTIC PARTS

ITEM	QTY	DESC	VALUE	PKG	REF DESIG
1	1	CASE TOP			
2	1	CASE BOTTOM			
3	3	BUTTON CAP			

MAIN FM TRANSMITTER BOARD

ITEM	QTY	DESC	VALUE	PKG	REF DESIG
1					
2	2	Ceramic SM Capacitor	220PF	603	C58 C59
3	5	Ceramic SM Capacitor	0.1MFD	603	C19 C57 C47 C53 C56
4	3	Ceramic SM Capacitor	0.01MFD	603	C30 C24 C63
5	1	Ceramic SM Capacitor	0.047MFD	603	C31
6	3	Ceramic SM Capacitor	1MFD	805	C9 C55 C44
7	1	Ceramic SM Capacitor	0.33MFD	603	C48
8	1	Ceramic SM Capacitor	100MFD, 6V	6032	C33
9	2	Ceramic SM Capacitor	27PF	603	C1 C2
10	2	Ceramic SM Capacitor	33PF	603	C34 C43
11	2	Ceramic SM Capacitor	10MFD	603	C40 C21
12	1	Ceramic SM Capacitor	2200PF	603	C12
13	2	Ceramic SM Capacitor	150PF	603	C13 C14
14	1	Ceramic SM Capacitor	330PF	603	C32
15	9	Ceramic SM Capacitor	1000PF	603	C17 C18 C16 C36 C35 C27 C26 C39 C38
16	2	Ceramic SM Capacitor	3300PF	603	C10 C11
17	8	Ceramic SM Capacitor	100PF	603	C41 C42 C3 C4 C49 C61 C62 C28
18	7	Ceramic SM Capacitor	1MFD	603	C45 C46 C54 C20 C51 C52 C25
19	8	Ceramic SM Capacitor, 16V	10MFD	805	C29 C15 C5 C6 C50 C23 C7 C8
20	1	CRYSTAL, 7.600MHZ, CYLINDER	JF7.600MHZ	3X8MM	Y1
21	1	DIODE, SCHOTTKY	BAT54	SOT-23	D7
22	4	DIODE, SWITCHING	CMOD448	SOD-523	D2 D3 D4 D5
23	1	HEADER, R/A, 2MM, 6 PIN	B6PS-BC-1	2MM	J1
24	1	IC FM TRANSMITTER, SERIAL	BH1415F	SOP22	U2

25	1	IC, OPAMP, DUAL, LOW NOISE	LM833MM	SSOP-8	U3
26	1	IC, OPAMP, QUAD	LMV324AM	SSOP-14	U4
27	1	IC, REGULATOR, 5V	L78L05 OR EQUIV	SOT-89	U1
28	1	FERRITE BEAD 32 OHM @100MHZ, 1A		1206	L7
29	1	INDUCTOR, SMT	0.068UH	805	L4
30	1	INDUCTOR, SMT	10UH	805	L18
31	8	INDUCTOR, SMT	4.7UH	603	L14 L17 L10 L2 L1 L3 L8 L11
32					
33	3	INDUCTOR, SMT	1UH	603	L13 L15 L16
34	1	INDUCTOR, SMT	620NH	1008	L12
35	1	LED,BLUE, SMT		603	D6
36	1	PCB, 031,3-LAYER	154005G		
37	1	Resistor 1/16W 1%	10.0K 1%	603	R6
38	8	Resistor 1/16W 1%	100K 1%	603	R48 R38 R35 R39 R34 R3 R37 R36
39	1	Resistor 1/16W 1%	39.2K 1%	603	R5
40	2	Resistor 1/16W 1%	681 1%	603	R14
41	1	Resistor 1/16W 5%	33 OHM	805	R12
42					
43	6	Resistor 1/16W 5%	100K	603	R47 R46 R29 R27 R30 R28
44	3	Resistor 1/16W 5%	3.3K	603	R26 R4 R20
45	3	Resistor 1/16W 5%	10K	603	R15 R16 R21
46	1	Resistor 1/16W 5%	20K	603	R17
47	2	Resistor 1/16W 5%	10 OHM	603	R50
48	1	Resistor 1/16W 5%	100 OHM	603	R18
49	1	Resistor 1/16W 5%	220 OHM	603	R22
50	8	Resistor 1/16W 5%	1K	603	R8 R23 R24 R52 R51 R25 R1 R2
51	1	Resistor 1/16W 5%	200K	603	R31
52	3	Resistor 1/16W 5%	22K	603	R54 R45 R44
53	2	Resistor 1/16W 5%	330 OHM	603	R19 R32
54	2	Resistor 1/16W 5%	33K	603	R53 R49
55	2	Resistor 1/16W 5%	4.7K	603	R10
56	1	Resistor 1/16W 5%	5.1K	603	R7
57	1	Resistor 1/16W 5%	2.2K	603	R9
58	1	TRANSISTOR, DARLINGTON	MMBTA13	SOT-23	Q1
59	1	TRANSISTOR, NPN	MMBT4401	SOT-23	Q4
60	1	TRANSISTOR, PNP	MMBT4403	SOT-23	Q2
61	1	TRANSISTOR, RF, NPN	BFS17HTA	SOT-23	Q3
62	1	VARACTOR SINGLE DIODE	BB200	SOT-23	D9
63	1	ZENER, 1W, 18V	1N4746A	DO-41	Z1
64	1	Resistor 1/16W 1%	9.09K 1%	603	R13
65	2	Resistor 1/16W 5%	0 OHM	603	R11 R12
66	1	POLYFUSE, 1.35A	FRU135-30F	9X8MM	F1
67	2	Resistor 1/16W 5%	3.9K		R42 R43
68	1	CAP, ELEC, 25V	100MFD	6.3X11MM	C22
69	1	Resistor 1/16W 5%	200 OHM	603	R33

CIGARETTE LIGHTER ADAPTER HOUSING

ITEM	QTY	DESC	VALUE	PKG	REF DESIG
1	1	CASE TOP			
2	1	CASE BOTTOM			
3	1	MONSTER LENS CAP			
4	3	METAL RING			
5	1	IWP2 CABLE ASSEMBLY, 9-WIRE			
6	2	NEGATIVE SPRING			
7	1	POSITIVE SPRING			
8	1	POSITIVE TIP			