

MASCOT ELECTRIC CO., LTD.

BILL OF MATERIAL

MODEL NO.: IEM-168 TRANSMITTER

DATE: 2005/11/01

808-168D-0 IEM-168 PCB

PART CODE	ITEM	SPECIFICATION	REMARK	Q'TY
100-0101-3	SMD RESISTOR	10 5% 1/2W		2
103-0000-0	CHIP RESISTOR	0 5% SMT 0805		1
103-0000-3	CHIP RESISTOR	0 5% SMT 0603		2
103-1000-3	CHIP RESISTOR	10 5% SMT 0603		8
103-1001-3	CHIP RESISTOR	100 5% SMT 0603		3
103-1002-3	CHIP RESISTOR	1K 5% SMT 0603		3
103-1003-3	CHIP RESISTOR	10K 5% SMT 0603		31
103-1004-3	CHIP RESISTOR	100K 5% SMT 0603		7
103-1202-3	CHIP RESISTOR	1K2 5% SMT 0603		1
103-1203-3	CHIP RESISTOR	12K 5% SMT 0603		9
103-1503-3	CHIP RESISTOR	15K 5% SMT 0603		5
103-1803-3	CHIP RESISTOR	18K 5% SMT 0603		6
103-2201-3	CHIP RESISTOR	220 5% SMT 0603		1
103-2202-3	CHIP RESISTOR	2K2 5% SMT 0603		10
103-2203-3	CHIP RESISTOR	22K 5% SMT 0603		3
103-2701-3	CHIP RESISTOR	270 5% SMT 0603		2
103-2703-3	CHIP RESISTOR	27K 5% SMT 0603		2
103-3301-3	CHIP RESISTOR	330 5% SMT 0603		1
103-3302-3	CHIP RESISTOR	3K3 5% SMT 0603		5
103-3303-3	CHIP RESISTOR	33K 5% SMT 0603		2
103-3304-3	CHIP RESISTOR	330K 5% SMT 0603		2
103-4700-3	CHIP RESISTOR	47 5% SMT 0603		9
103-4702-3	CHIP RESISTOR	4K7 5% SMT 0603		3
103-5602-3	CHIP RESISTOR	5K6 5% SMT 0603		1
103-6801-3	CHIP RESISTOR	680 5% SMT 0603		1
103-6802-3	CHIP RESISTOR	6K8 5% SMT 0603		4
103-6803-3	CHIP RESISTOR	68K 5% SMT 0603		1
112-1620-0	VARIABLE RESISTOR	RV16AEF-20B2-20K-A10K-701	A10K (20mm)	1
112-1620-3	VARIABLE RESISTOR	RV16AE1F-20B2-20K-A10K-7	A10Kx2 (20mm)	2
113-0103-0	CHIP CERAMIC CAP.	10K POZ6AN-51-103N	S.M.D. (MVR32HXBRN)	2
113-0104-0	CHIP CERAMIC CAP.	100K POZ3AN-51-104N	S.M.D. (MVR32HXBRN)	1
113-0203-0	CHIP CERAMIC CAP.	20K PVZ3A203C01R00	SMD(MVR32HXBRN) POZ3AN-51-203N	2
124-0107-3	ELECTROLYTIC CAP.	100 uF/16V (MINI)	6*7mm 20%	3
124-0225-6	ELECTROLYTIC CAP.	2.2 uF/50V (MINI)	4*7mm	1
124-0227-4	ELECTROLYTIC CAP.	220 uF/25V		4
124-0478-4	ELECTROLYTIC CAP.	4700 uF/25V 16*31mm		1
131-0001-5	CHIP CERAMIC CAP.	1.5 PF SMT C0603	NPO	2
131-0002-3	CHIP CERAMIC CAP.	2 PF SMT C0603	NPO	2
131-0003-3	CHIP CERAMIC CAP.	3 PF SMT C0603	NPO	2

131-0003-5	CHIP CERAMIC CAP.	3.5 PF SMT C0603	NPO	2
131-0005-3	CHIP CERAMIC CAP.	5 PF SMT C0603	NPO	1
131-0010-3	CHIP CERAMIC CAP.	10 PF SMT C0603	NPO	5
131-0030-3	CHIP CERAMIC CAP.	30 PF SMT C0603	NPO	2
131-0050-3	CHIP CERAMIC CAP.	50 PF SMT C0603	NPO	1
131-0100-3	CHIP CERAMIC CAP.	100 PF SMT C0603	NPO	23
131-0102-3	CHIP CERAMIC CAP.	0.001 uF/50V C0603	1.6*0.8	18
131-0103-3	CHIP CERAMIC CAP.	0.01 uF/50V C0603	1.6*0.8 X7R	3
131-0104-3	CHIP CERAMIC CAP.	0.1 uF/25V C0603	Y5V	6
131-0153-3	CHIP CERAMIC CAP.	0.015 uF/50V C0603	X7R	2
131-0223-3	CHIP CERAMIC CAP.	0.022 uF/25V C0603	1.6*0.8 10%	3
131-0330-3	CHIP CERAMIC CAP.	330 PF C0603	X7R	3
131-0470-3	CHIP CERAMIC CAP.	470 PF SMT C0603	X7R	1
131-0473-3	CHIP CERAMIC CAP.	0.047 uF/25V C0603	X7R	2
134-0105-3	CHIP TANTALUM CAP.	1 uF/16V (A CASE)	20%	15
134-0106-1	CHIP TANTALUM CAP.	10 uF/6.3V (P CASE)	1R3K	3
134-0106-3	CHIP TANTALUM CAP.	10 uF/10V (A CASE)		32
134-0225-3	CHIP TANTALUM CAP.	2.2 uF/16V (A CASE)		8
134-0474-3	CHIP TANTALUM CAP.	0.47uF/35V (A CASE)		4
134-0475-3	CHIP TANTALUM CAP.	4.7 uF/16V (A CASE)		4
134-1006-0	CHIP TANTALUM CAP.	100 uF/6.3V (B CASE)		1
135-0030-0	VARIABLE CAP.	KCT03E300A-30PF	3-30P	1
144-6801-0	RESONATOR	680 UH (large)	CHOKE SC0717T-681K-X129	1
147-0004-3	CHIP CHOKE	LQG11A3N9S00 3.9nH	0603 1R4K	1
147-0006-8	CHIP CHOKE	LQG11A6N8S00 6.8nH	0603 1R4K	1
147-0010-0	CHIP CHOKE	NLV32T-R10J 100nH	1R2K TDK	4
147-1001-1	CHIP CHOKE	LQG11AR10J00 100nH	0603 1R4K	2
147-1500-2	CHIP CHOKE	LQG11A15NJ00 15nH	1R4K (LQG18HN15NJ00D)	2
147-2200-1	CHIP CHOKE	NLV32T-022J 22nH	1R2K TDK	1
147-2200-2	CHIP CHOKE	LQG11A22NJ00 22nH	1R4K 5% 300mA	1
150-1403-0	IC	SANYO LB1403N-E	(9Pin)	1
151-0575-2	IC	ON SA575DK	(S01C-20 WB) mini size	1
151-1503-0	IC	MB15E03SLPFV1-ER	1R1.5K	1
151-2035-0	IC	JRC NJM2035M-TEL	STEREO MODULATOR 14PIN	1
151-4580-0	IC	JRC NJM4580M	(8Pin)	6
151-6111-0	IC	TEXAS TPA6111A2DR	(8Pin)	1
151-7805-0	IC	TOSHIBA TA78L05F	(5V<AS:UTC 78L05> (SOT-89)	2
151-7808-0	IC	ROHM BA17808FP	(8V) 1R2K	1
153-1182-0	CHIP TRANSISTOR	ROHM 2SB1182-Q-TL	(1R2.5K)	1
153-2226-0	CHIP TRANSISTOR	ROHM 2SD2226KW		2
153-2351-0	CHIP TRANSISTOR	ROHM 2SD2351-W-T106		1
153-3356-0	CHIP TRANSISTOR	NEC 2SC3356(R24-A)	HFE:80-400	1
153-5248-0	CHIP TRANSISTOR	PHILIPS BFG520/XR	1R3K (4973/XR) (50V)	2
153-5400-0	CHIP TRANSISTOR	PHILIPS BFQ540	< Pb>	1

161-0160-0	DIODE	PANJIT SS14	AS:RB 160L-40 1R1.5K	1
166-0300-0	CHIP ZENER	PANJIT BZT52-C3S	SOD-323	1
169-0099-1	CHIP DIODE	PANJIT BAV99W	(SOT323)	5
169-0202-0	CHIP DIODE	ROHM DAN202K	1R3K (80V)	4
191-0004-1	CRYSTAL	T4.000 MHZ	± 10 PPM	1
191-3800-0	CRYSTAL	Epson 38.000KHz		1
900-0014-0	DC JACK	SCD-014;2	PCB(WTJ-020-04A)	1
901-0660-4	EARPHONE JACK	6.3 jack Stereo	LJB0660A-01-4R	1
902-0002-1	PCB HOLDER	2P		1
902-0008-2	PCB HOLDER	8P 2mm	B8B-PH-K-S(CF) (SN)180°/WV-8P	1
902-0202-0	PCB HOLDER	R/L (white/red)	WSP202V-01	1
904-8007-0	XLR connector	NCJ6F1-H (gold coast)	90°/female NEUTRLK	1
921-0070-1	SWITCH	SS070-P022MAb-PA6-P	2P2T-PA6-P UT-801	1
923-0006-1	SWITCH	SPUN19C606-GGB	PUSH SWITCH	1
951-168D-1	FR-4 PCB	IEM-168D	192.5*163.5*1.6mm	1

809-168E-0 168-LED PCB

PART CODE	ITEM	SPECIFICATION	REMARK	Q'TY
103-1004-3	CHIP RESISTOR	100k 5% SMT 0603		9
103-3302-3	CHIP RESISTOR	3K3 5% SMT 0603		2
103-3303-3	CHIP RESISTOR	33K 5% SMT 0603		2
103-4700-3	CHIP RESISTOR	47 5% SMT 0603		2
131-0020-3	CHIP CERAMIC CAP.	20 PF SMT C0603	NPO	2
134-0104-3	CHIP TANTALUM CAP.	0.1 uF/35V (A CASE)		1
134-0105-3	CHIP TANTALUM CAP.	1 uF/16V (A CASE)		2
134-0106-3	CHIP TANTALUM CAP.	10 uF/10V (A CASE)		2
151-4511-1	IC	PHILIPS HEF4511BT	(BCD decode) (SOL16-P-150)	1
151-7805-0	IC	TOSHIBA TA78L05F	(5V<AS:UTC 78L05> (SOT-89)	1
153-0148-0	CHIP TRANSISTOR	ROHM C-TR;FMW1	T-148 SMT	1
165-2181-0	LED	Red 7*10mm	TOS-2181AH-N (DIP)	2
568-0008-5	8P WIRE	200mm,XHP-8P,SCN-8P		1
958-168E-1	FR-4 PCB	958-168E-1 LED PCB	85*32*1.6 mm (MHS-----)	1

809-168E-2 168-LED 64 channel

PART CODE	ITEM	SPECIFICATION	REMARK	Q'TY
151-7815-1	IC	EMC EM78P156NM	(18Pin) PIC IC S108	2
809-168E-0	168-RO PCB	PCB		1
926-0208-0	rotary switch	ERD208RSZ ROTARY-SW		2

808-168D-1 IEM-168D VARIANT 805±15MHz

PART CODE	ITEM	SPECIFICATION	REMARK	Q'TY
131-0002-3	CHIP CERAMIC CAP.	2 PF SMT C0603	NPO	1
131-0003-3	CHIP CERAMIC CAP.	3 PF SMT C0603	NPO	1

131-0004-3	CHIP CERAMIC CAP.	4	PF SMT C0603	NPO	1
147-0005-6	CHIP CHOKE	LQG11A5N6S00	5.6nH	0603 1R4K	1
147-1000-2	CHIP CHOKE	LQG11A10NJ00	10nH	1R4K (LQG18HN10NJ00D)	1
147-1200-2	CHIP CHOKE	LQG11A12NJ00	12nH	0603 1R4K	1
147-1800-2	CHIP CHOKE	LQG11A18NJ00	18nH	1R4K	1
147-3300-2	CHIP CHOKE	LQG11A33NJ00	33nH	1R4K	1
808-168D-0	IEM-168 PCB	PCB			1

808-168D-2 IEM-168D VARIANT 855±15MHz

PART CODE	ITEM	SPECIFICATION	REMARK	Q'TY
131-0001-3	CHIP CERAMIC CAP.	1 PF SMT C0603	NPO	1
131-0003-3	CHIP CERAMIC CAP.	3 PF SMT C0603	NPO	2
147-0004-7	CHIP CHOKE	LQG11A4N7S00 4.7nH	0603 1R4K	1
147-1000-2	CHIP CHOKE	LQG11A10NJ00 10nH	1R4K (LQG18HN10NJ00D)	1
147-1500-2	CHIP CHOKE	LQG11A15NJ00 15nH	1R4K (LQG18HN15NJ00D)	2
147-2700-0	CHIP CHOKE	LQG11A27NJ00 27nH	1R4K	1
808-168D-0	IEM-168 PCB	PCB		1

808-168D-3 IEM-168D VARIANT 755±15MHz

PART CODE	ITEM	SPECIFICATION	REMARK	Q'TY
131-0004-3	CHIP CERAMIC CAP.	4 PF SMT C0603	NPO	1
131-0005-3	CHIP CERAMIC CAP.	5 PF SMT C0603	NPO	1
147-1000-2	CHIP CHOKE	LQG11A10NJ00 10nH	1R4K (LQG18HN10NJ00D)	2
147-1200-2	CHIP CHOKE	LQG11A12NJ00 12nH	0603 1R4K	1
147-2200-2	CHIP CHOKE	LQG11A22NJ00 22nH	1R4K 5% 300mA	1
147-3300-2	CHIP CHOKE	LQG11A33NJ00 33nH	1R4K	1
808-168D-0	IEM-168 PCB	PCB		1

808-168D-4 IEM-168D VARIANT 645±15MHz

PART CODE	ITEM	SPECIFICATION	REMARK	Q'TY
103-1000-3	CHIP RESISTOR	10 5% SMT 0603	碳膜 1.6*0.8	1
131-0004-3	CHIP CERAMIC CAP.	4 PF SMT C0603	NPO	1
131-0005-3	CHIP CERAMIC CAP.	5 PF SMT C0603	NPO	1
147-1500-2	CHIP CHOKE	LQG11A15NJ00 15nH	1R4K (LQG18HN15NJ00D)	1
147-1800-2	CHIP CHOKE	LQG11A18NJ00 18nH	1R4K	1
147-2700-0	CHIP CHOKE	LQG11A27NJ00 27nH	1R4K	1
147-3900-0	CHIP CHOKE	LQG11A39NJ00 39nH	1R4K	1
808-168D-0	IEM-168 PCB	PCB		1