

Bill of Material

Date :2015/04/15

Customer Item No: 8017		Customer Item Name: Roboraptor Blue tooth				
Keys	Part Number	Item Name	產品需用量 Usage/product	單位 Unit	位置 Position	
		RX Main PCBA Assy (RoHS)				
1	730-3808095-G21	COB PCB RSU-02 Rev:00 FR4 D/S 0.6mm GP (RoHS)	1.0000	pcs	RX IC PCB	
2	722-3808095-G51	Bonding IC KOI-6400WS04 (RoHS)	1.0000	pcs	IC1	
3	730-3808017-G01	Main PCB RSB-01 Rev:00 FR4 D/S 1.2mm GP 80X55mm(RoHS)	1.0000	pcs	RX MAIN PCB	
4	799-38C0000-G01	Bluetooth Module KNRF51822_A24 Flash 256 KB V3 (RoHS)	1.0000	pcs	U1	
5	723-260A33P-G01	IC Voltage Regulator 3.3V +/-2% 500mA CE6260A33P SOT-89 (RoHS)	1.0000	pcs	U2	
6	723-D6770AG-G01	SMT IC MD6770AG(RoHS) Package QFN- 48	1.0000	pcs	U3	
7	723-00ME501-G01	SMT IC ME501 SOT-89 DC-DC (RoHS)	1.0000	pcs	IC2	
8	723-08A50PG-G01	SMT IC YU2108A50PG SOT89-3 DC-DC (ROHS)	0.0000	pcs	IC2	
9	738-2000R03-G01	Chip Resistor 0 Ohm +/-5% 1/8W 0805 (RoHS)	1.0000	pcs	R30	
10	738-202R202-G01	Chip Resistor 2.2 Ohm +/-5% 1/10W 0805 (RoHS)	1.0000	pcs	R26	
11	738-2010R01-G01	Chip Resistor 10 Ohm +/-5% 1/16W 0603 (RoHS)	1.0000	pcs	R31	
12	738-2150R02-G01	Chip Resistor 150 Ohm +/-5% 1/10W 0805 (RoHS)	2.0000	pcs	R9,R10	
13	738-2100R02-G01	Chip Resistor 100 Ohm +/-5% 1/10W 0805 (RoHS)	2.0000	pcs	R24,R25	
14	738-2100R01-G01	Chip Resistor 100 Ohm +/-5% 1/16W 0603 (RoHS)	4.0000	pcs	R2,R4,R14,R15,	
15	738-2680R01-G01	Chip Resistor 680 Ohm +/-5% 1/16W 0603 (RoHS)	1.0000	pcs	R27	
16	738-2001K01-G01	Chip Resistor 1K Ohm +/-5% 1/16W 0603 (RoHS)	4.0000	pcs	R6,~R8,R32	
17	738-204K701-G01	Chip Resistor 4.7K Ohm +/-5% 1/16W 0603 (RoHS)	1.0000	pcs	R13	
18	738-2010K01-G01	Chip Resistor 10K Ohm +/-5% 1/16W 0603 (RoHS)	3.0000	pcs	R12,R22,R23	
19	738-2022K01-G01	Chip Resistor 22K Ohm +/-5% 1/16W 0603 (RoHS)	2.0000	pcs	R1,R3	
20	738-2047K01-G01	Chip Resistor 47K Ohm +/-5% 1/16W 0603 (RoHS)	7.0000	pcs	R5,R11,R16,R18,	
21	738-2470K01-G01	Chip Resistor 470K Ohm +/-5% 1/16W 0603 (RoHS)	2.0000	pcs	R17,R29	
22	738-2001M01-G01	Chip Resistor 1M Ohm +/-5% 1/16W 0603 (RoHS)	2.0000	pcs	R20,R21	
23	707-4039050-G03	CHIP C CAP 39PF +/-5% 50V NPO 0603 (RoHS)	2.0000	pcs	C5,C6	
24	707-4104050-G03	CHIP C CAP 0.1uF +80/-20% 50V Y5V 0603 (RoHS)	29.0000	pcs	C1,C3,C7.C11~C	
25	707-1475010-G01	Chip C CAP 4.7uF +/-20% 10V X7R 0603 (RoHS)	1.0000	pcs	C27	
26	750-0S8550D-G03	Chip Transistor S8550D SOT-23 1.5A PNP EBC (RoHS)	2.0000	pcs	Q1,Q5	
27	750-0003906-G01	Chip Transistor 3906 PNP SOT-23 (RoHS)	2.0000	pcs	Q6,Q7	
28	750-008050D-G01	Chip Transistor 8050D SOT-23 NPN (RoHS)	3.0000	pcs	Q2,Q3,Q11	
29	750-0003904-G01	Chip Transistor 3904 NPN SOT-23 (RoHS)	3.0000	pcs	Q4,Q8,Q10	
30	716-X55C6V8-G00	Zener Diode 6.8V 1/2W +/-5% (RoHS)	1.0000	pcs	D4	
31	716-X55C6V2-G01	Zener Diode BZX55C6V2 1/2W 6.2V +/-5% (RoHS)	1.0000	pcs	ZD1	
32	713-004M000-G03	Crystal 4.00MHz+/-0.5% 2pin (RoHS)	1.0000	pcs	Y1	
33	714-01N5817-G00	Schottky Diode 1N5817 (RoHS)	1.0000	pcs	D3	
34	750-0S8050D-G01	Transistor NPN S8050D TO-92 EBC 1.5A (RoHS)	1.0000	pcs	Q9	
35	709-3808095-G11	AXIAL TYPE CHOKE COIL 47uH+/-10% (RoHS)	1.0000	pcs	L1	

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36	707-0476016-G14	E-CAP 47 μ F +/-20% 16V Dia4X7 PET(RoHS)	2.0000	pcs	C21,C22	
37	707-0107010-G14	E-CAP 100 μ F +/-20% 10V Dia5X7 PET (RoHS)	12.0000	pcs	C2,C4,C18,C26,	
38	740-0CB100K-G00	Variable Resistor 065C-B100K (RoHS)	2.0000	pcs	VR1,VR2	
39	711-1112502-G01	WAFER PH=2.0 180° JS-1125-02 White (RoHS)	3.0000	pcs	LF-LB,Leg(L,R),	
40	711-1112502-G03	WAFER PH=2.0 180° JS-1125-02 Black (RoHS)	1.0000	pcs	RB-RF	
41	711-1112502-G04	WAFER PH=2.0 180° JS-1125-02 Red (RoHS)	1.0000	pcs	BF-BB	
42	711-1112502-G05	WAFER PH=2.0 180° JS-1125-02 Grey (RoHS)	1.0000	pcs	NC-NCC	
43	711-1112504-G01	WAFER PH=2.0 180° JS-1125-04 White (RoHS)	1.0000	pcs	P8	
44	711-1112505-G01	WAFER PH=2.0 180° JS-1125-05 Red (RoHS)	1.0000	pcs	Power switch	
45	711-1112505-G02	WAFER PH=2.0 180° JS-1125-05 White (RoHS)	2.0000	pcs	P2,P4	
46	711-1112509-G01	WAFER PH=2.0 180° JS-1125-09 White (RoHS)	1.0000	pcs	P3	
Head SW PCBA Assy.(RoHS)						
47	730-3808095-G61	PCB RSU-06 Rev:00 V0 S/S 1.2mm GP 16X24mm (RoHS)	1.0000	pcs	PCB	
48	711-1020329-G01	HOUSING 2PIN PH=2.0 #28 7x0.12x2c L=75mm Blu/Bk (RoHS+7P)	1.0000	pcs	ForheadSensor	
49	742-0983100-G03	Square Rubber key Pad LY6983-100 (RoHS+7P)	1.0000	pcs	Rubber Key	
Power Switch PCBA Assy (RoHS)						
50	730-3808095-G91	PCB RSU-09 Rev:00 V0 S/S 1.2mm GP (RoHS)	1.0000	pcs	Power Switch	
51	746-422E06L-G00	Push Switch PS-22E06L (RoHS)	1.0000	pcs	Power Switch	
52	711-1020319-G01	HOUSING 5PIN PH=2.0 #24 11x0.12x5c L=300mm BN/Gn/Yel/Bk/Rd (RoHS+7P)	1.0000	pcs	Power wire	
53	753-0124060-G04	PVC Wire AWG#24 60mm Red (RoHS+7P)	1.0000	pcs	3V	
54	753-0124060-G03	PVC Wire AWG#24 60mm Black (RoHS+7P)	1.0000	pcs	PTC to Power	
Tail PCBA Assy (RoHS)						
55	730-3808095-G81	PCB RSU-08 Rev:00 V0 S/S 1.2mm 14X32mm (RoHS)	1.0000	pcs	Left&Right&F&	
56	711-1112502-G01	WAFER PH=2.0 180° JS-1125-02 White (RoHS)	5.0000	pcs	Tail(SWA,SWB)	
Tail SWA PCBAA Assy. (RoHS)						
57	730-3808095-G31	PCB RSU-03 Rev:00 V0 S/S 1.2mm GP 13X17mm (RoHS)	2.0000	pcs	PCB	
58	711-1020320-G01	HOUSING 2PIN PH=2.0 #28 7x0.12x2c L=60mm Yel/Yel (RoHS+7P)	2.0000	pcs	Wire	
59	742-0983100-G03	Square Rubber key Pad LY6983-100 (RoHS+7P)	2.0000	pcs	Rubber Key	
Tail SWB PCBAA Assy. (RoHS)						
60	730-3808095-G51	PCB RSU-05 Rev:00 V0 S/S 1.2mm GP 15X30mm (RoHS)	2.0000	pcs	PCB	
61	711-1020321-G01	HOUSING 2PIN PH=2.0 #28 7x0.12x2c L=90mm Bn/Bn (RoHS+7P)	2.0000	pcs	Wire	

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62	742-0983100-G03	Square Rubber key Pad LY6983-100 (RoHS+7P)	4.0000	pcs	Rubber Key		
Jaw PCBA Assy(RoHS)							
63	730-3808095-G71	RSU-07 Rev:00 V0 S/S 1.2mm GP 13.7X31mm (RoHS)	1.0000	pcs	PCB		
64	711-1020328-G01	HOUSING 2PIN PH=2.0 #28 7x0.12x2cL=160mm Yel/Bk (RoHS+7P)	1.0000	pcs	Chin Sensorwire.		
65	742-0983100-G03	Square Rubber key Pad LY6983-100 (RoHS+7P)	1.0000	pcs	Rubber Key		
Left IR receiver PCBA Assy. (RoHS)							
66	734-M781H3K-G01	Infrared Receiver Module M781-H3-K for 600Hz and 38KHz (ROHS)	1.0000	pcs	D1		
67	711-1020336-G01	HOUSING 3PIN PH=2.0 8#28 7x0.12x3c L=100mm Rd/Bk/Yel (RoHS+7P)	1.0000	pcs	L_Receiver		
68	720-0190150-G02	HEAT SHRINK TUBE OD=1.9mm ID=1.5mm Φ=1.0mm (RoHS+7P)	45.0000	mm	Heat sink tube		
Right IR receiver PCBA Assy. (RoHS)							
69	734-M781H3K-G01	Infrared Receiver Module M781-H3-K for 600Hz and 38KHz (ROHS)	1.0000	pcs	D2		
70	711-1020330-G01	HOUSING 3PIN PH=2.0 #28 7x0.12x3c L=100mm Rd/Bk/Gn (RoHS+7P)	1.0000	pcs	R_Receiver		
71	720-0190150-G02	HEAT SHRINK TUBE OD=1.9mm ID=1.5mm Φ=1.0mm (RoHS+7P)	45.0000	mm	Heat sink tub		
Left Mic Assy (RoHS)							
72	729-2CM6050-G00	Condenser microphone CM6050-44-44dB 4.5V Dia=6X5mm (RoHS)	1.0000	pcs	Mic1		
73	711-1020337-G01	HOUSING 2PIN PH=2.0 #28 7x0.12x2c L=90mm Bk/Pur (RoHS+7P)	1.0000	pcs	L_Mic		
Right Mic Assy (RoHS)							
74	729-2CM6050-G00	Condenser microphone CM6050-44-44dB 4.5V Dia=6X5mm (RoHS)	1.0000	pcs	Mic2		
75	711-1020324-G01	HOUSING 2PIN PH=2.0 #28 7x0.12x2c L=90mm Bk/Yel (RoHS+7P)	1.0000	pcs	R_Mic		
Left sensor Assy (RoHS)							
76	733-010B327-G00	IR Emitting Diode IR3010B-327-DP (RoHS)	1.0000	pcs	Infrared LED		
77	711-1020338-G01	HOUSING 2PIN PH=2.0 #28 7x0.12x2c L=120mm Bk/Bn (RoHS+7P)	1.0000	pcs	L_IR		
78	720-0190150-G02	HEAT SHRINK TUBE OD=1.9mm ID=1.5mm Φ=1.0mm (RoHS+7P)	30.0000	mm	Heat sink tub		
Left sensor Assy (RoHS)							
79	733-010B327-G00	IR Emitting Diode IR3010B-327-DP (RoHS)	1.0000	pcs	Infrared LED		
80	711-1020327-G01	HOUSING 2PIN PH=2.0 #28 7x0.12x2c L=120mm Bk/Org (RoHS+7P)	1.0000	pcs	R_IR		
81	720-0190150-G02	HEAT SHRINK TUBE OD=1.9mm ID=1.5mm Φ=1.0mm (RoHS+7P)	30.0000	mm	Heat sink tube		
Neck Assy.(RoHS)							

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82	746-5114S45-G00	Leaf Switch LS-1-14S-45 (RoHS)	1.0000	pcs	HR		
83	746-3S11D02-G00	Mode Switch MDS-11D02 (RoHS)	3.0000	pcs	HU,HL,HD		
84	711-1020326-G01	HOUSING 5PIN PH=2.0 #28 7x0.12x5c L=210mm Bk/Yel/Org/Rd/Bn (RoHS+7P)	1.0000	pcs	HU,HL,HD,HR		
85	753-0130060-G04	PVC Wire AWG#30 60mm Black (RoHS+7P)	3.0000	pcs	Head SW		
		Head contact PCBA Assy.(RoHS)					
86	730-3808017-G02	PCB RSB-04 Rev:00 FR4 D/S 1.2mm GP 26X34mm (RoHS)	1.0000	pcs	Head PCB		
87	707-4104050-G03	CHIP C CAP 0.1uF +80/-20% 50V Y5V 0603 (RoHS)	2.0000	pcs	receive L,receive		
88	711-1112502-G01	WAFER PH=2.0 180° JS-1125-02 White (RoHS)	1.0000	pcs	FS		
89	711-1112502-G02	WAFER PH=2.0 180° JS-1125-02 Brown (RoHS)	2.0000	pcs	R LED,L LED		
90	711-1112502-G03	WAFER PH=2.0 180° JS-1125-02 Black (RoHS)	2.0000	pcs	R Mic,L Mic		
91	711-1112502-G05	WAFER PH=2.0 180° JS-1125-02 Grey (RoHS)	1.0000	pcs	CS SW		
92	711-1112502-G04	WAFER PH=2.0 180° JS-1125-02 Red (RoHS)	1.0000	pcs	SPK		
93	711-1112503-G01	WAFER PH=2.0 180° JS-1125-03 Grey (RoHS)	1.0000	pcs	R.IR.Receive		
94	711-1112503-G02	WAFER PH=2.0 180° JS-1125-03 White (RoHS)	1.0000	pcs	L.IR .Receive		
95	711-1112505-G02	WAFER PH=2.0 180° JS-1125-05 White (RoHS)	1.0000	pcs	Head		
96	711-1112509-G01	WAFER PH=2.0 180° JS-1125-09 White (RoHS)	1.0000	pcs	Head		
97	707-1104025-G02	C-CAP 0.1uF +/-20% 25V Dia 5.5 (RoHS)	15.0000	pcs	M1-M5		
98	719-0MFR135-G01	Resettable PTC MF-R135(RoHS)	1.0000	pcs	PTC1		
99	745-4016050-G01	Mylar Speaker 40mm 16 Ohm 0.5W Paper coneDia40X6.3mm (RoHS)	1.0000	pcs	SPK		
100	742-0LY7187-G02	Rubber Key Pad 5Key LY7187 Dia 6mm Blue (RoHS+15P)	1.0000	pcs	TX Right key		
101	742-0LY7186-G02	Rubber Key Pad 5Key LY7186 Dia 4.5mm Blue (RoHS+15P)	1.0000	pcs	TX Left key		
102	746-1MX1202-G01	Detection Switch MX-1202 (RoHS)	2.0000	pcs			
103	711-1020026-G01	HOUSING 2PIN PH=2.0 #24 11x0.12x2c L=130mm Blu/Blu (RoHS+7P)	1.0000	pcs	L Feedback key		
104	711-1020332-G01	HOUSING 2PIN PH=2.0 #24 11x0.12x2c L=130mm Bn/Bn (RoHS+7P)	1.0000	pcs	R Feedback key		
105	711-1020357-G01	HOUSING 4PIN PH=2.0 #24 11x0.12x2c L=190mm Rd/Gn/Yel/Yel(RoHS+7P)	1.0000	pcs	Tail SW		
106	711-1020331-G01	HOUSING 5PIN PH=2.0 #28 7x0.125c L=300mm Bn/Rd/Org/Yel/Gn (RoHS+7P)	1.0000	pcs	Head wire		
107	711-1020325-G01	HOUSING 9Pin PH:2.0 #28 7x0.12x9c L=300mmBn/Rd/Org/Yel/Gn/Blu/Pur/Gry/Wht	1.0000	pcs	Head wire		
108	711-1020323-G01	HOUSING 2PIN PH=2.0 #28 7x0.12x2c L=90mm Bk/Rd (RoHS+7P)	1.0000	pcs	SPK		
109	711-1020322-G01	HOUSING 2PIN PH=2.0 #24 11x0.122c L=250mm Rd/Gn (RoHS+7P)	1.0000	pcs	LF-LB		
110	711-1020333-G01	HOUSING 2PIN PH=2.0 #24 11x0.12x2c L=250mm Rd/Bn (RoHS+7P)	1.0000	pcs	NC-NCC		
111	711-1020334-G01	HOUSING 2PIN PH=2.0 #24 11x0.12x2c L=250mm Rd/Org (RoHS+7P)	1.0000	pcs	BF-BB		
112	711-1020335-G01	HOUSING 2PIN PH=2.0 #24 11x0.12x2c L=250mm Rd/Yel (RoHS+7P)	1.0000	pcs	RB-RF		
113	753-0124200-G08	PVC Wire AWG#24 200mm Black (RoHS+7P)	1.0000	pcs	3V GND to 6V		
114	753-0128045-G06	PVC Wire AWG#28 45mm Blue (RoHS+7P)	1.0000	pcs	Battery Box		

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115	720-0240200-G02	HEAT SHRINK TUBE OD=2.4mm ID=2.0mm Φ1.5mm (RoHS+7P)	15.0000	mm	PTC Heat sink	
116	616-0968520-001	EVA Pad 5X5X1.5	2.0000	pcs		
		TX Main PCBA 成品(RoHS)				
117	730-3808095-G11	PCB RSU-11 Rev:00 FR4 D/S 0.6mm GP (RoHS)	1.0000	pcs	TX IC PCB	
118	722-3808095-G61	IC Bonding K55100WS07 (RoHS)	1.0000	pcs	U1	
119	730-3808095-GA1	PCB RSU-10 Rev:01 V0 D/S 1.2mm GP (RoHS)	1.0000	pcs	TX Main PCB	
120	738-2075R02-G01	Chip Resistor 75 Ohm +/-5% 1/10W 0805 (RoHS)	1.0000	pcs	R7	
121	738-2330R01-G01	Chip Resistor 330 Ohm +/-5% 1/16W 0603 (RoHS)	2.0000	pcs	R3.R4	
122	738-2001K01-G01	Chip Resistor 1K Ohm +/-5% 1/16W 0603 (RoHS)	1.0000	pcs	R1	
123	738-204K701-G01	Chip Resistor 4.7K Ohm +/-5% 1/16W 0603 (RoHS)	1.0000	pcs	R9	
124	738-2470K01-G02	Chip Resistor 470K Ohm +/-1% 1/16W 0603 (RoHS)	1.0000	pcs	R2	
125	707-4104050-G03	CHIP C CAP 0.1uF +80/-20% 50V Y5V 0603 (RoHS)	2.0000	pcs	C3.C4	
126	750-0S8550D-G03	Chip Transistor S8550D SOT-23 1.5A PNP EBC (RoHS)	1.0000	pcs	Q1	
127	750-008050D-G01	Chip Transistor 8050D SOT-23 NPN (RoHS)	2.0000	pcs	Q2.Q5	
128	707-0106016-G14	E-CAP 10 μ F +/-20% 16V Dia4X7 PET(RoHS)	2.0000	pcs	C1.C2	
129	705-0226150-G16	PVC wire #26 7x0.12x2c L=150mm Red/Black (RoHS+7P)	1.0000	pcs	VCC/GND	
130	733-IR5010C-G00	IR Emitting Diode IR-5010C Dia:5mm White (RoHS)	1.0000	pcs	D3	
131	726-5RPSMNP-G01	LED Red Φ5mm 5RPSM-NP (RoHS)	1.0000	pcs	D1	
132	705-0230060-G08	PVC wire #30 7x0.12x2c L=60mm Black/Red (RoHS+7P)	1.0000	pcs	Red led wire	
133	705-0230050-G04	PVC wire #30 7x0.12x2c L=50mm Black/Blue (RoHS+7P)	1.0000	pcs	IR LED wire	
134	720-0190150-G02	HEAT SHRINK TUBE OD=1.9mm ID=1.5mm Φ=1.0mm (RoHS+7P)	60.0000	mm	IR led Red led	
135	730-3808095-GB1	PCB RSU-12 Rev:00 V0 S/S 1.2mm GP 13X18mm (RoHS)	1.0000	pcs	TX SW PCB	
136	705-0228050-G14	PVC wire #28 7x0.12x2c L=50mm Green/Green (RoHS+7P)	1.0000	pcs	TX SW wire	
137	742-0983100-G03	Square Rubber key Pad LY6983-100 (RoHS+7P)	2.0000	pcs	TX SW	