

Bill of Material							Date	2015/04/23
Customer Item No:		Customer Item Name:						
8015		Robosapien Blue tooth version						
Keys	Part Number		Item Name			Usage/product	Unit	Position
			RX Main PCBA Assy					
1		700-3808081-G01	Copper Foil/ Adhesive tape 15mm*12mm* 0.045mm(ROHS)			1.0000	pcs	
2		730-3808081-GD0	COB PCB HMD-13Rev:00 FR4 S/S 0.6mm GP 18 X 17.8mm (RoHS)			1.0000	pcs	RX IC PCB
3		722-3808081-061	Bonding IC GPC251A1-474B			1.0000	pcs	U2
4		730-3808015-G01	Main PCB HMB-01 Rev:00 FR4 D/S 1.2mm GP 88X53.2mm RoHS)			1.0000	pcs	RX MAIN PCB
5		799-38C0000-G01	Bluetooth Module KNRF51822_A24 Flash 256 KB V3 (RoHS)			1.0000	pcs	
6		723-0MD6770-G01	SMT IC MD6770G(RoHS) Package QFN- 48			0.0000	pcs	U3
7		723-D6770AG-G01	SMT IC MD6770AG(RoHS) Package QFN- 48			1.0000	pcs	U3
8		723-HC164MX-G01	SMT IC 74HC164MX SO14 Brand : NXP (RoHS)			1.0000	pcs	U4
9		738-2000R03-G01	Chip Resistor 0 Ohm +/-5% 1/8W 0805 (RoHS)			1.0000	pcs	23A1
10		738-204R702-G02	Chip Resistor 4.7 Ohm +/-5% 1/10W 0805 (RoHS)			1.0000	pcs	R2
11		738-2010R01-G01	Chip Resistor 10 Ohm +/-5% 1/16W 0603 (RoHS)			1.0000	pcs	R22
12		738-2051R01-G01	Chip Resistor 51 Ohm +/-5% 1/16W 0603 (RoHS)			1.0000	pcs	R19
13		738-2051R02-G01	Chip Resistor 51 Ohm +/-5% 1/10W 0805(RoHS)			2.0000	pcs	R1A.R23A
14		738-2330R01-G01	Chip Resistor 330 Ohm +/-5% 1/16W 0603 (RoHS)			2.0000	pcs	R10-R11
15		738-2000R01-G03	Chip Resistor 0 Ohm +/-5% 1/16W 0603 (RoHS)			6.0000	pcs	R4-R9
16		738-2270R01-G01	Chip Resistor 270 Ohm +/-5% 1/16W 0603(RoHS)			1.0000	pcs	R3
17		738-202K201-G01	Chip Resistor 2.2K Ohm +/-5% 1/16W 0603 (RoHS)			1.0000	pcs	R27
18		738-2001K01-G01	Chip Resistor 1K Ohm +/-5% 1/16W 0603 (RoHS)			1.0000	pcs	R22
19		738-204K701-G01	Chip Resistor 4.7K Ohm +/-5% 1/16W 0603 (RoHS)			2.0000	pcs	R13.R20
20		738-206K801-G01	Chip Resistor 6.8K Ohm +/-5% 1/16W 0603 (RoHS)			1.0000	pcs	R15
21		738-2010K01-G01	Chip Resistor 10K Ohm +/-5% 1/16W 0603 (RoHS)			4.0000	pcs	R14.R21.R24.R25
22		738-2022K01-G01	Chip Resistor 22K Ohm +/-5% 1/16W 0603 (RoHS)			1.0000	pcs	R18
23		738-2047K01-G01	Chip Resistor 47K Ohm +/-5% 1/16W 0603 (RoHS)			1.0000	pcs	R12
24		738-2056K01-G01	Chip Resistor 56K Ohm +/-5% 1/16W 0603(RoHS)			1.0000	pcs	R26
25		738-2220K01-G01	Chip Resistor 220K Ohm +/-5% 1/16W 0603 (RoHS)			1.0000	pcs	R17
26		738-204M701-G01	Chip Resistor 4.7M Ohm +/- 5% 1/16W 0603 (RoHS)			1.0000	pcs	R16
27		714-2LL4148-G00	SMD Diode LL4148 (RoHS)			6.0000	pcs	D3-D8
28		707-1475010-G01	Chip C CAP 4.7uF +/-20% 10V X7R 0603 (RoHS)			1.0000	pcs	C30
29		707-4104050-G06	CHIP C CAP 0.1uF +80/-20% 50V Y5V 0603 (RoHS)			13.0000	pcs	C3-5.9.10-13.15.17.23.24.26.29
30		707-4033050-G02	CHIP C CAP 33PF +/-5% 50V NPO 0603 (ROHS)			2.0000	pcs	C6.C7
31		714-200DCM1-G00	Chip Diode DC M1(P/N) Io=1.0AmPS,Vrrm=50v (RoHS)			1.0000	pcs	D1
32		750-4003906-G01	Chip Transistor HMBT3906 SOT-23 PNP (RoHS)			3.0000	pcs	Q3.Q4.Q5
33		750-4003904-G01	Chip Transistor HMBT3904 SOT-23 BCE NPN (RoHS)			2.0000	pcs	Q2.Q6
34		750-408550D-G01	Chip Transistor 8550D SOT-23 PNP (RoHS)			2.0000	pcs	Q7.Q8
35		750-408050D-G01	Chip Transistor 8050D SOT-23 (RoHS)			2.0000	pcs	Q1A.Q1
36		723-HT75331-G01	(HOLTEK) IC #HT7533-1 (TO-92-LF)(RoHS)			1.0000	pcs	U1
37		716-X55C6V8-G00	Zener Diode 6.8V 1/2W +/-5% (RoHS)			1.0000	pcs	D9

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38		716-X55C6V2-G01	Zener Diode BZX55C6V2 1/2W 6.2V +/-5% (RoHS)			1.0000	pcs	D10
39		707-0476010-G12	E-CAP 47uF +/-20% 10V SIZE:4X7mm (RoHS+PET)			1.0000	pcs	C11
40		707-0107010-G16	E-CAP 100 μ F +/-20% 10V Size:5X7 (RoHS+PET)			6.0000	pcs	C1,C2,C8,C14,C16,C25
41		741-0400MHZ-G01	Ceramic Resonator 4.00MHz+/-0.5% 2pin (RoHS)			1.0000	pcs	Y1
42		714-01N5817-G00	Schottky Diode 1N5817 (RoHS)			2.0000	pcs	D2,D3
43		712-1087239-G01	WAFER PH=2.0 180°C JS-1125-04 White P/N:E6008-7239 (RoHS)			3.0000	pcs	L&R shoulder&
44		712-1087241-G01	WAFER PH=2.0 180°C JS-1125-08 White P/N:E6008-7241 (RoHS)			2.0000	pcs	L&R Hand
45		712-1087242-G01	WAFER PH=2.0 180°C JS-1125-10 White P/N:E6008-7242 (RoHS)			1.0000	pcs	Head
46		712-1087246-G01	WAFER PH=2.0 180°C JS-1125-04 Brown P/N:E6008-7246 (RoHS)			1.0000	pcs	C-VDD-SW-R
47		712-1087249-G01	WAFER PH=2.0 180°C JS-1125-07 White P/N:E6008-7249 (RoHS)			1.0000	pcs	Power &SPK
48		712-1087243-G01	WAFER PH=2.0 180°C JS-1125-02 brown P/N:E6008-7243 (RoHS)			1.0000	pcs	L-LEG
49		712-1087238-G01	WAFER PH=2.0 180°C JS-1125-02 White P/N:E6008-7238 (RoHS)			1.0000	pcs	Waist
50		712-1087244-G01	WAFER PH=2.0 180°C JS-1125-02 black P/N:E6008-7244 (RoHS)			1.0000	pcs	R-LEG
			Microphone PCBA Assy (RoHS)					
51		729-280H58M-G01	Microphone Dia=9.7X6.7mm 2.2KOHM 4.5V P/N:EM-80H-58M (RoHS)			1.0000	pcs	MIC
52		711-1087230-G02	2C shield wire OD 2.2mm Grey : 7x0.8mm L=160mm (RoHS+7P)			1.0000	pcs	Mic
			Power Switch PCBA Assy. (RoHS)					
53		730-3808081-G43	Switch PCB HMD-04 Rev:00 94V0 S/S 1.6mm NP 30X17mm (RoHS)			1.0000	pcs	Power SWitch PCB
54		746-4PS2E06-G01	Push Switch PS-2E06 (SENSEN) (RoHS)			1.0000	pcs	Power Switch
55		711-1087248-G02	7Pin Housing PH=2.0 with wire #26 7x0.16 L=138mm Bn.Gn/Bn/Rd/Yel/Org (RoHS+7P)			1.0000	pcs	Power wire
			L Feet PCBA Assy. (RoHS)			1.0000	pcs	
56		730-3808081-G33	PCB HMD-03 Rev:00 94V0 S/S 1.6mm GP 12X40mm (RoHS)			2.0000	pcs	Left&F&B feet
57		711-1087222-G03	4Pin Housing PH=2.0 W/wire 17x0.16X4C L=328mm Pur/Bk/Gn/Gn (RoHS+7P)			1.0000	pcs	Left foot wire
58		742-0LY6983-G00	Square Rubber key P/N:LY6983 (RoHS)			4.0000	pcs	L Foot sensor
59		705-0228176-G08	Twin PVC wire#28 7x0.12 L=176mm Bn/Bn (RoHS+7P)			1.0000	pcs	left foot
			R Hand contact PCBA Assy. (RoHS)					
60		730-3808081-G23	PCB HMD-02 Rev:00 94V0 S/S 1.6mm GP 30X14mm (RoHS)			1.0000	pcs	Right hand contact PCB.
61		712-1087245-G01	WAFER PH=2.0 180°C JS-1125-02 Grey (RoHS)			1.0000	pcs	R Hand motor
62		711-120060X-G02	Housing 8P PH2.0 W/PU wire Blue OD 4.3mm L= 515mm 13x0.7x8C Yel/Gn/Rd/Bk/Wht/Wht/Pur/Pur (ROHS+15P)			1.0000	pcs	R Hand 電覽線
63		712-1087243-G01	WAFER PH=2.0 180°C JS-1125-02 brown P/N:E6008-7243 (RoHS)			1.0000	pcs	R Hand LED
64		712-1087238-G01	WAFER PH=2.0 180°C JS-1125-02 White P/N:E6008-7238 (RoHS)			1.0000	pcs	R finger
65		712-1087244-G01	WAFER PH=2.0 180°C JS-1125-02 black P/N:E6008-7244 (RoHS)			1.0000	pcs	R Hand elbow
			L Hand contact PCBA Assy. (RoHS)					

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66	730-3808081-G23		PCB HMD-02 Rev:00 94V0 S/S 1.6mm GP 30X14mm (RoHS)			1.0000		pcs	Left hand contact
67	712-1087245-G01		WAFER PH=2.0 180℃ JS-1125-02 Grey P/N:E6008-7245 (RoHS)			1.0000		pcs	L Hand motor
68	711-120060X-G02		Housing 8P PH2.0 W/PU wire Blue OD 4.3mm L= 515mm 13x0.7x8C Yel/Gn/Rd/Bk/Wht/Wht/Pur/Pur (ROHS+15P)			1.0000		pcs	L Hand 電覽線
69	712-1087243-G01		WAFER PH=2.0 180℃ JS-1125-02 brown P/N:E6008-7243 (RoHS)			1.0000		pcs	L&R Hand LED
70	712-1087238-G01		WAFER PH=2.0 180℃ JS-1125-02 White P/N:E6008-7238 (RoHS)			1.0000		pcs	L finger
71	712-1087244-G01		WAFER PH=2.0 180℃ JS-1125-02 black P/N:E6008-7244 (RoHS)			1.0000		pcs	L Hand elbow
			R Feet PCBA Assy. (RoHS)						
72	730-3808081-G33		PCB HMD-03 Rev:00 94V0 S/S 1.6mm GP 12X40mm (RoHS)			2.0000		pcs	Right&F&B feet
73	711-1087223-G03		4Pin Housing PH=2.0 17支/0.16X4C L=328mm Wht/Wht/Rd/Pur (RoHS+7P)			1.0000		pcs	Right foot wire
74	742-0LY6983-G00		Square Rubber key P/N:LY6983 (RoHS)			4.0000		pcs	R Foot sensor
75	705-0228176-G08		Twin PVC wire#28 7x0.12 L=176mm Bn/Bn (RoHS+7P)			1.0000		pcs	Right foot
			R Finger PCBA Assy. (RoHS)						
76	730-3808081-G71		PCB HMD-07 Rev:00 FR4 D/S 1.0mm GP R=5.5mm (RoHS)			1.0000		pcs	Finger Round rubber key
77	711-1087231-G02		2Pin Housing PH=2.0 #28 7x0.12x2C L=118mm Wht/Wht (RoHS+7P)			1.0000		pcs	Right hand key
			LFinger PCBA Assy. (RoHS)			1.0000		pcs	
78	730-3808081-G71		PCB HMD-07 Rev:00 FR4 D/S 1.0mm GP R=5.5mm (RoHS)			1.0000		pcs	Finger Round rubber key
79	711-1087231-G02		2Pin Housing PH=2.0 #28 7x0.12x2C L=118mm Wht/Wht (RoHS+7P)			1.0000		pcs	Left key
			Head PCBA Assy. (RoHS)						
80	730-3808081-G53		PCB HMD-05 Rev:00 94V0 S/S 1.6mm NP 10X24mm (RoHS)			1.0000		pcs	Head PCB
81	734-M1438G2-G01		IR Receiver Module M1438G-2 (RoHS)			1.0000		pcs	Head PCB
82	726-4BSCBKC-G02		BLUE water clear Super bright LED Φ3mm W03304BSC-BKC (RoHS)			6.0000		pcs	EYE LED
83	711-1087229-G02		10P Housing PH:2.0 PVC wire #30 7x0.10x10C L=220mm Rd/Bn/Or/Yel/Gn/Blu/Pur/Wht/Bk/Gry (RoHS+7P)			1.0000		pcs	Head
84	705-0328056-G03		PVC wire #28 7x0.12X3C L=56mm Wht/Bk/Rd(RoHS+7P)			1.0000		pcs	IR RX
85	720-0240200-G02		HEAT SHRINK TUBE OD=2.4mm ID=2.0mm Φ1.5mm (RoHS+7P)			45.0000		mm	IR RX L=15mmX3
86	738-004R703-G01		C.F.Resistor 4.7 Ohm +/-5% 1/8W(RoHS)			1.0000		pcs	R7
87	726-AO4UC05-G01		LED Φ5mm Round Head High Bright Orange P/N:5AO4UC05 (RoHS)			2.0000		pcs	Hand LED
88	707-1104025-G07		C-CAP 0.1uF +80/-20% 25V Dia5.5mm (RoHS)			21.0000		pcs	M1-M7
89	710-01363R3-G02		Motor Inductor 3.3UH EC36-BKA-3R3K-G (RoHS)			14.0000		pcs	M1-M7
90	736-0TRA135-G01		PTC Resettable Fuse TRA135 16V,1.35A (RoHS)			1.0000		pcs	PTC1
91	745-4016050-G04		Speaker Φ40mm 16 Ohm 0.5W H=6mm TY40060-SC-16P (RoHS)			1.0000		pcs	SPK
92	746-1MX1202-G00		Detection Switch MX-1202 (RoHS)			2.0000		pcs	Shoulder impact
93	746-5SA0184-G00		Leaf Switch SA-0184 (RoHS)			2.0000		pcs	Hand impact
94	742-0LY6910-G00		Round Rubber key P/N: LY6910(RoHS)			2.0000		pcs	L&R finger
95	742-1Y69091-G01		Rubber key Pad P/N:LY6909-1 Blue (RoHS+15P)			1.0000		pcs	TX UP

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96	742-1Y69092-G01		Rubber key Pad P/N:LY6909-2 Blue (RoHS+15P)	1.0000	pcs	TX middle	
97	742-1Y69093-G01		Rubber key Pad P/N:LY6909-3 Blue (RoHS+15P)	1.0000	pcs	TX DOWN	
98	711-1087227-G03		2Pin Housing PH=2.0 #26 7支/0.16x2C L=245mm Blu/Org (RoHS+7P)	1.0000	pcs	Left Leg	
99	711-1087228-G03		2Pin Housing PH=2.0 #26 7x0.16x2c L=245mm Or/Gry (RoHS+7P)	1.0000	pcs	Right Leg	
100	711-1087225-G02		4Pin Housing PH=2.0 #28 7x0.12x4c L=98mm Blu/Blu ,L=118mm Gn/Wht (RoHS+7P)	1.0000	pcs	Right shoulder	
101	711-1087226-G02		Housing 2Pin PH=2.0 26#7支/0.12x2C L=108mm Yel/Bn (RoHS+7P)	1.0000	pcs	Waist	
102	711-1087233-G02		2Pin Housing PH=2.0 #28 7x0.12x2c L=78mm Pur/Pur (RoHS+7P)	2.0000	pcs	L&R hand leaf	
103	711-1087234-G02		2Pin Housing PH=2.0 #28 7x0.12x2C L=58mm Gn/Yel (RoHS+7P)	2.0000	pcs	L&R Hand	
104	711-1087232-G12		2Pin Housing PH=2.0 #28 7x0.12x2C L=78mm Bk/Rd (RoHS+7P)	2.0000	pcs	Left&Right hand LED	
105	711-1087224-G02		Housing 4Pin PH=2.0 #28 7x0.12x4C L=118mm Wht/Pur/Bn/Bn(RoHS+7P)	1.0000	pcs	Left shoulder	
106	720-0240200-G02		HEAT SHRINK TUBE OD=2.4mm ID=2.0mm Φ1.5mm (RoHS+7P)	240.0000	mm	M1-M7 hand LED L=15mmX16	
107	720-0300250-G03		HEAT SHRINK TUBE OD=3.0mm ID=2.5mm Φ2.0 (RoHS+7P)	15.0000	mm	PTC L=15mmX1	
108	720-0350300-G02		HEAT SHRINK TUBE OD=3.5mm ID=3.0mm Φ2.5 (RoHS+7P)	15.0000	mm	R107 L=15mmX1	
			TX Main PCBA Assy (RoHS)				
109		730-3808081-GF0	PCB HMD-15 Rev:00 FR4 S/S 0.6mm GP 14X 13.5mm (RoHS)	1.0000	pcs	TX IC PCB	
110		722-3808081-G51	IC Bonding JTAM10-HE016H (RoHS)	1.0000	pcs	U1	
111		730-3808081-GE2	PCB HMD-14 Rev:00 94Vo D/S 1.2mm GP 152X62mm (RoHS)	1.0000	pcs	TX Main PCB	
112		738-2030R01-G01	Chip Resistor 30 ohm +/-5% 1/16W 0603 reel packing(RoHS)	1.0000	pcs	R3	
113		738-2100R02-G02	Chip Resistor 100 Ohm +/-5% 1/10W 0603 (RoHS)	2.0000	pcs	R5,R6	
114		738-2330R01-G01	Chip Resistor 330 Ohm +/-5% 1/16W 0603 (RoHS)	1.0000	pcs	R2	
115		738-2001K02-G02	Chip Resistor 1K Ohm +/-5% 1/10W 0603 (RoHS)	1.0000	pcs	R4	
116		707-4104050-G06	CHIP C CAP 0.1uF +80/-20% 50V Y5V 0603 (RoHS)	1.0000	pcs	C2	
117		750-408550D-G01	Chip Transistor 8550D SOT-23 PNP (RoHS)	2.0000	pcs	Q1,Q2	
118		726-RG9HW0A-G01	Tri-color LED Φ5mm Round Head High Brigh Red/Green P/N:5ARG9HW0A (RoHS)	1.0000	pcs	LED	
119		733-AWBT01D-G01	IR Emitting Diode Φ5mm Round Head P/N:5AWBT01-D 60deg (RoHS)	1.0000	pcs	IR	
120		753-0128136-G07	PVC Wire AWG#28 3+130+3mm Black (RoHS+7P)	1.0000	pcs	VSS	
121		753-0128136-G08	PVC Wire AWG#28 3+130+3mm Red (RoHS+NP)	1.0000	pcs	VDD	
122		707-0106025-G12	E-CAP 10 μ F +/-20% 25V Size:4X7mm (RoHS+PET)	1.0000	pcs	Fuluen	