

# Bill of Materials

Project: WICED 4343W IOT Starter Kit  
 Project Name: BCM-STARTER  
 Revision: B  
 Variant: 01



Report Date: 9/29/2015 10:09:28 AM

#	Quantity	Designator	Description	Manufacturer 1	Manufacturer Part Number 1	Fitted	Notes
1	4	BMPR1, BMPR2, BMPR3, BMPR4	BUMPER CYLINDRICAL 0.25" DIA CLR	3M	SJ5382	Fitted	
2	18	C1, C3, C7, C8, C10, C12, C13, C14, C16, C19, C24, C25, C27, C2, C9	CAP CER 0.1UF 25V 10% X7R 0402	AVX Corporation	04023C104KAT2A	Fitted	
3	2	C4, C29, C32, C34	CAP CER 47UF 10V 20% X5R 0805	TDK Corporation	C2012X5R1A476M125AC	Fitted	
4	0	C5, C6, C30, C33, C35, C36	CAP CER 10UF 10V 20% X5R 0402	Samsung Electro-Mechanics America, Inc	CL05A106MP5NUNC	Not Fitted	
5	0	C11	CAP CER 0.1UF 25V 10% X7R 0402	AVX Corporation	04023C104KAT2A	Not Fitted	
6	1	C15, C17	CAP CER 3.3UF 10V 10% X5R 0402	TDK Corporation	C1005X5R1A335K050BC	Fitted	
7	2	C18, C21	CAP CER 27PF 50V 5% NP0 0402	AVX Corporation	04025A270JAT2A	Fitted	
8	2	C23, C26	CAP CER 100UF 16V 20% X5R 1210	Taiyo Yuden	EMK325ABJ107MM-T	Fitted	
9	2	D1, D4, D5	CAP CER 10UF 10V 20% X5R 0402	Samsung Electro-Mechanics America, Inc	CL05A106MP5NUNC	Fitted	
10	3	D2	LED CHIPLED BLUE 470NM 0603 SMD	OSRAM Opto Semiconductors Inc	LB Q39G-L2N2-35-1	Fitted	
11	1	D3, D6	LED CHIPLED 633NM RED 0603 SMD	OSRAM Opto Semiconductors Inc	LS Q976-NR-1	Fitted	
12	2	D7	LED SMARTLED 570NM GREEN 0603	OSRAM Opto Semiconductors Inc	LG L29K-F2J1-24-Z	Fitted	
13	1	ESD1	TVS DIODE 20VVM SMD	Bourns	CDSOT23-SR208	Fitted	
14	1	FB1, FB3	ESD Bag	3M	TBD	Fitted	-
15	2	FB2	FERRITE BEAD 470 OHM 0.25A 0402	TDK Corporation	MMZ1005Y471CT000	Fitted	
16	1	J5	FERRITE BEAD 600 OHM 2.0A 0805	TDK Corporation	MPZ2012S601AT000	Fitted	
17	1	J6	CONN RCPT MICRO USB AB R/A SMD	Molex Inc	0475890001	Fitted	
18	1	J7	Header TH 100mil 6X2 Right Angle PMOD Horizontal	Samtec	SSQ-106-02-T-D-RA	Fitted	
19	0	J8	CONN HEADR BRKWAY .100 3POS STR, SINGLE ROW	TE CONNECTIVITY / AMP	5-146280-3	Not Fitted	
20	0	JX1, JX4	CONN HEADER 10POS DUAL .05" SMD	Samtec	FTSH-105-01-L-DV	Not Fitted	
21	2	JX2	CONN RCPT .100" 8POS STR, SINGLE ROW	Samtec Inc	SSQ-108-01-G-S	Fitted	
22	1	JX3	CONN RCPT .100" 6POS STR, SINGLE ROW	Samtec Inc	SSQ-106-01-G-S	Fitted	
23	1	Label1	CONN RCPT .100" 10POS STR, SINGLE ROW	Samtec Inc	SSQ-110-01-G-S	Fitted	
24	1	Label2	Label, Product	AES	BD-BCM-STARTER-REV-B	Fitted	-
25	1	Label_ESD1	Label, Serial Number	AES	TBD	Fitted	-
26	1	M1	Label, ESD	AES	TBD	Fitted	-
27	1	PCB1	SSB-WBM-N08 Promo Module v1.0	Broadcom	SSB-WBM-N08	Fitted	
28	1	Q1	BARE PCB Part Number	AES	BD-BCM-STARTER-REV-B	Fitted	
29	1	R1, R4, R6, R11, R13	LIGHT SENSOR AMBIENT SMD	Everlight Electronics Co Ltd	ALS-PT19-315C/L177/TR8	Fitted	
30	5	R2	RES 100 OHM 0402 1% 1/16W	Panasonic Electronic Components	ERJ-2RKF1000X	Fitted	
31	1	R3, R5, R16, R17, R18, R23, R24, R25, R26, R27, R28	RES 301 OHM 0402 1% 1/16W	Yageo	RC0402FR-07301RL	Fitted	
32	11	R7, R8, R10, R29, R32	RES 10.0K OHM 0402 1% 1/16W	Vishay Dale	CRCW040210K0FKED	Fitted	
33	5	R9	RES 1.00K OHM 0402 1% 1/16W	Vishay Dale	CRCW04021K00FKED	Fitted	
34	1	R12, R14, R15, R19, R20, R21, R22	RES 12.0K OHM 0402 1% 1/16W	Vishay Dale	CRCW040212K0FKED	Fitted	
35	7	R30, R31	RES 2.2K OHM 0402 1% 1/16W	Vishay Dale	CRCW04022K20FKED	Fitted	
36	2	SW1, SW2	RES 0.0 OHM JUMP 0402 1/16W	Vishay Dale	CRCW04020000Z0ED	Fitted	
37	1	U1	SWITCH TACTILE SPST-NO 0.05A 24V	TE Connectivity Alcoswitch Switches	1825910-7	Fitted	
38	1	U2	IC REG LDO 3.3V 1.5A D2PAK	ON Semiconductor	NCP565D2T33R4G	Fitted	
39	1	U3	IC USB HS DUAL UART/FIFO 64-QFN	FTDI, Future Technology Devices International Ltd	FT232HQ-REEL	Fitted	
40	1	U4, U5	IC EEPROM 1KBIT 2MHZ 8SOIC	Atmel	AT93C46DN-SH-T	Fitted	
41	2	X1	AND SM LVCMOS Single	Fairchild Semiconductor	NC7SZ08P5X	Fitted	
42	1		CRYSTAL 12MHZ 10PF SMD	Abracon LLC	ABM8G-12.000MHZ-B4Y-T	Fitted	

Approved	Notes