

Bill of Materials

Project: PMOD MURATA WIFI-BLE
Project Name: PRJ-MW1PMD
Revision: 1
BOM: 01
Variant: 00



Report Date: 5/2/2017 10:05:10 AM

#	Quantity	Designator	Description	Manufacturer 1	Manufacturer Part Number 1	Fitted	Notes
1	2	C1, C4	CAP CER 4.7UF 6.3V 10% X5R 0603	Murata	GRM188R60J475KE19D	Fitted	
2	1	C2	CAP CER 0.1UF 25V 10% X5R 0201	TDK Corporation	C0603X5R1E104K030BB	Fitted	
3	1	C3	CAP CER 2.2UF 25V 20% X5R 0402	TDK Corporation	C1005X5R1E225M050BC	Fitted	
4	3	C5, C6, C13	CAP CER 10UF 10V 20% X5R 0402	Samsung Electro-Mechanics America, Inc	CL05A106MP5NUNC	Fitted	
5	1	CON1	CONN SWF JACK STR 50 OHM SMD	Murata	MM8130-2600RA2	Fitted	
6	1	D1	LED CHIPLED BLUE 470NM 0603 SMD	OSRAM Opto Semiconductors Inc	LB Q39G-L2N2-35-1	Fitted	
7	1	D2	LED YELLOW 587NM 0603 SMD	OSRAM Opto Semiconductors Inc	LY L29K-H1K2-26-Z	Fitted	
8	1	ESD1	ESD Bag	3M	TBD	Fitted	
9	2	J1, J2	CONN HDR 12POS .100" DUAL RA	Samtec	TSW-106-08-G-D-RA	Fitted	
10	1	L1	FIXED IND 2.2UH 750mA 375 mOHM	Murata	LQM18PN2R2MFRL	Fitted	
11	1	L2	FIXED IND 2.4NH 850MA 50 mOHM	Murata	LQW15AN2N4B00D	Fitted	
12	1	Label1	Label, Product	AES	PWB-MW1PMD-1-01-00	Fitted	
13	1	Label_ESD1	Label, ESD	AES	TBD	Fitted	
14	1	PCB1	BARE PCB Part Number	AES	PWB-MW1PMD-1	Fitted	
15	2	Q1, Q2	MOSFET N-CH 50V 200MA SOT23-3	Diodes Incorporated	BSS138-7-F	Fitted	
16	1	R1	RES 22.1 OHM 0402 1% 1/16W	Vishay Dale	CRCW040222R1FKED	Fitted	
17	1	R2	RES 100 OHM 0402 1% 1/16W	Vishay Dale	CRCW0402100RFKED	Fitted	
18	7	R3, R12, R13, R14, R15, R16,	RES 0.0 OHM JUMP 0402 1/16W	Bourns	CR0402-J/-000GLF	Fitted	
19	5	R4, R5, R6, R7, R8	RES 10.0K OHM 0402 1% 1/16W	Vishay Dale	CRCW040210K0FKED	Fitted	
20	1	R9	RES 715 OHM 0402 1% 1/16W	Panasonic Electronic Components	ERJ-2RKF7150X	Fitted	
21	2	R10, R11	RES 1.00K OHM 0402 1% 1/16W	Vishay Dale	CRCW04021K00FKED	Fitted	
22	2	R18, R20	RES 0.0 OHM JUMP 0402 1/16W RF FOOTPRINT	Bourns	CR0402-J/-000GLF	Fitted	
23	1	U1	W-LAN+Bluetooth Combo Module	MURATA	LBEE5KL1DX-883	Fitted	
24	1	Y1	OSC MEMS 232.768kHz LVCMOS SMD	Abracon LLC	ASTMKJ-32.768KHZ-LQ-DCC-T3	Fitted	
25	0	C7, C8, C9, C10, C11, C12	CAP CER 100PF 50V 5% NP0 0402	Murata	GRM1555C1H101JA01D	Not Fitted	
26	0	J3, J4	CONN HEADR BRKWAY .100 5POS STR, DUAL ROW	TE Connectivity AMP Connectors	5-146257-5	Not Fitted	
27	0	J5	CONN HEADR BRKWAY .100 7POS STR, DUAL ROW	TE Connectivity AMP Connectors	5-146257-7	Not Fitted	
28	0	J6	CONN HEADR BRKWAY .100 2POS STR, SINGLE ROW	Samtec	TSW-102-23-L-S	Not Fitted	
29	0	R19	RES 0.0 OHM JUMP 0402 1/16W	Bourns	CR0402-J/-000GLF	Not Fitted	
30	0	R21, R22, R23, R24	RES 0.0 OHM JUMP 0402 1/16W RF FOOTPRINT	Bourns	CR0402-J/-000GLF	Not Fitted	

Approved	Notes