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PCB Bill of Materials

40mm P4-37 MIB	
Part No	B5717
Rev	04
CR #	N/A

Item #	Description	Quantity	Designator	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1	Revision State	Notes
1	Resistor, 300 Ohm, 0.063 W, ±5%, SMD, 0402	1	R3	Yageo	RC0402JR-07300RL	Mouser	603-RC0402JR-07300RL	Draft	
2	Test Point, Solder Point, 1mm Diameter	19	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19			N/A	N/A	Draft	
3	Connector, Molex, SlimStack FSB5 Plug, 15x2, 0.4mm, Vert., SMT	1	J1	Molex	203956-0303	Mouser	538-203956-0303	Verified	
4	Connector, Molex, Pico-Lock, 5x1, 2mm, R/A, SM	2	J3, J4	Molex	205338-0005	Mouser	538-205338-0005	Draft	
5	Connector, Molex, Pico-EZmate, 3 POS, 1.8mm, 5A, Right-Angle, SMD	1	J5	Molex	208294-0030	Mouser	538-208294-0030	Draft	
6	Capacitor, Ceramic, 1nF, 250 V, 10%, SMT, 0603	3	C1, C2, C3	Wurth Electronics	885342206003	Mouser	710-885342206003	Production	
7	Resistor, 2.2K ohms, 0.1W, 1%, SMT, 0603	1	R1	Panasonic	ERJ-3EKF2201V	Digi-Key	P2.20KHCT-ND	Production	
8	Resistor, 249 ohms, 0.1W, 1%, SMT, 0603	1	R4	Panasonic	ERJ-3EKF2490V	Mouser	667-ERJ-3EKF2490V	Production	
9	Capacitor, Ceramic, 100uF, 4V, 105C, SMD, 0805	1	C4	Murata	GRM21BC80G107ME15L	Mouser	81-GRM21BC80G107ME5L	Draft	
10	Capacitor, Ceramic, 22µF, 10V, SMD, 0603	1	C5	Murata	GRM188R61A226ME15D	Mouser	81-GRM188R61A226ME5D	Production	
11	Diode, LED, Blue, 20 mA, 3.3 V, SMT, 0603	1	D4	Diodes Inc.	LTST-C190TBKT	Mouser	859-LTST-C190TBKT	Verified	
12	Diode, LED, Green, 2.1V, 10mA, SMD, 0603	1	D3	Diodes Inc.	LTST-C190GKT	Mouser	859-LTST-C190GKT	Draft	
13	Diode, LED, 2.1V, 20mA, SMD, 0603	1	D2	Diodes Inc.	LTST-C190KSKT	Mouser	859-LTST-C190KSKT	Draft	
14	Resistor, 1k Ohm, 1/16 W, ±1%, SMD, 0402	1	R2	Stackpole Electronics	RMCF0402FT1K00	Mouser	708-RMCF0402FT1K00	Verified	
15	Diode, LED, Red, 20mA, 2.2V, SMD, 0603	1	D1	Rohm	SML-D12V8WT86	Digi-Key	511-1581-1-ND	Verified	
16	Connector, Samtec, UMPS, 5x1, 2mm, Female Pin, Vert, SMT	1	J2	Samtec	UMPS-05-03.5-G-V-S-TR	Mouser	200-UMPS05035GVSTR	Draft	
17		1	BOM1	Barrett Technology	XXXXX-PCB	Barrett Technology	XXXXX-PCB	Not managed	Rev. 01