

PMP3011_REVB BOM

COUNT	RefDes	Value	Description
1	C1	100uF	Capacitor, Aluminum, 63-V, 20%
1	C14	0.47uF	Capacitor, Ceramic, 16-V, X5R, 20%
1	C15	6.8nF	Capacitor, Ceramic, 50-V, X7R, 20%
1	C2	68 pF	Capacitor, Ceramic, 50V, X7R, 20%
4	C3, C4, C11, C12	22uF	Capacitor, Ceramic, 16V, X5R, 20%
2	C5, C13	470pF	Capacitor, Ceramic, 50-V, X7R, 20%
1	C6	22nF	Capacitor, Ceramic, 50-V, X7R, 20%
1	C7	3.3nF	Capacitor, Ceramic, 50-V, X7R, 20%
1	C8	0.1uF	Capacitor, Ceramic, 50-V, X7R, 20%
2	C9, C10	220uF	Capacitor, Aluminum, 16V, ±20%
2	D1, D2	MBRS340	Diode, Schottky, 3A, 40V
1	D5	12V	Diode, zener 1W, 12V
1	D6	BAS16	Diode, Switching, 150-mA, 75-V, 350mW
2	J1, J2	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm
1	L2	33uH	Inductor, SMT, 33-uH, 3.23-A, 0.06-ohm
1	Q1	FDC658P	Transistor, MOSFET, Pch, -4A, -30V, 50milliohm
1	Q2	FDC653N	Transistor, MOSFET, Nch, 5A, 30V
1	Q3	BSS84	MOSFET, Pch, -50V, -0.13A, 10 Ohm
1	Q6	MMBTA06	Bipolar, NPN, SOT23
2	R1, R7	100K	Resistor, Chip, 1/16-W, 1%
1	R10	1 Meg	Resistor, Chip, 1/16-W, 1%
1	R12	499	Resistor, Chip, 1/16-W, 1%
1	R2	0.02	Resistor, Chip, 1/2-W, 5%
1	R3	2.0K	Resistor, Chip, 1/16-W, 1%
1	R4	301	Resistor, Chip, 1/8W, yy%
1	R5	5.76K	Resistor, Chip, 1/16-W, 1%
1	R6	25.5	Resistor, Chip, 1/16-W, 1%
1	R8	49.9	Resistor, Chip, 1/16-W, 1%
1	R9	6.19K	Resistor, Chip, 1/16-W, 1%
1	U1	TPS40200D	IC, Low Cost Sync Buck Controller

- Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed.
 2. These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
 3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.
 4. Ref designators marked with an asterisk (***) cannot be substituted.
All other components can be substituted with equivalent MFG's components.

Size	Part Number	Mfr	Area
0.457 x 0.406	EEVFK1J101P	Panasonic	
0603	Std	Std	
0603	Std	Std	
0603	Std	Std	
1210	Std	Std	
0603	Std	Std	
0603	Std	Std	
0603	Std	Std	
0603	Std	Std	
0.260 x 0.276 inch	EEEVFK1C221XP	Panasonic	
SMC	MBRS340	On Semi	
SMA	SMAZ12-13-F	Onsemi	
SOT23	BAS16	Vishay-Liteon	
0.27 x 0.25	ED1514	OST	
0.492 sq"	DR127-330	Coiltronics	
SuperSOT-6	FDC658P	Fairchild	
SuperSOT-6	FDC653N	Fairchild	
SOT23	BSS84	Infineon	
SOT23	MMBTA06	ON Semi	
0603	Std	Std	
0603	Std	Std	
0603	Std	Std	
2010	Std	Std	
0603	Std	Std	
1206	Std	Std	
0603	Std	Std	
0603	Std	Std	
0603	Std	Std	
0603	Std	Std	
SO-8	TPS40200D	TI	

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