

# **PMP2165\_REVA BOM**

COUNT	RefDes	Value	Description	Size	Part Number	MFR
1	C1	1000pF	Capacitor, Ceramic, 1000pF, 6.3V, X7R, 10%, 0402	0402	Std	Std
2	C2	1uF	Capacitor, Ceramic, 1uF, 10V, X5R, 10%, 0603	0603	Std	Std
2	C3	47uF	Capacitor, POSCAP, 47uF, 10V, 2A, 20%	7343(D)	Not Available Yet	Sanyo
	C4	47uF	Capacitor, POSCAP, 47uF, 10V, 2A, 20%	7343(D)	Not Available Yet	Sanyo
	C5	1uF	Capacitor, Ceramic, 1uF, 10V, X5R, 10%, 0603	0603	Std	Std
2	C6	0.1uF	Capacitor, Ceramic, 0.1uF, 16V, X7R, 10%, 0402	0402	Std	Std
	C7	0.1uF	Capacitor, Ceramic, 0.1uF, 16V, X7R, 10%, 0402	0402	Std	Std
4	C8	10uF	Capacitor, Ceramic, 10uF, 6.3V, X5R, 20%, 0603	0805	Std	Std
4	C9	150uF	Capacitor, POSCAP, 150uF, 6.3V, 0.035 Ohms, 20%, Case B	7343	6TSE150MAZB	Sanyo
	C10	150uF	Capacitor, POSCAP, 150uF, 6.3V, 0.035 Ohms, 20%, Case B	7343	6TSE150MAZB	Sanyo
	C11	10uF	Capacitor, Ceramic, 10uF, 6.3V, X5R, 20%, 0603	0805	Std	Std
2	C12	1uF	Capacitor, Ceramic, 1uF, 6.3V, X5R, 10%, 0402	0402	Std	Std
	C13	10uF	Capacitor, Ceramic, 10uF, 6.3V, X5R, 20%, 0603	0805	Std	Std
	C14	1uF	Capacitor, Ceramic, 1uF, 6.3V, X5R, 10%, 0402	0402	Std	Std
	C15	10uF	Capacitor, Ceramic, 10uF, 6.3V, X5R, 20%, 0603	0805	Std	Std
	C100	150uF	Capacitor, POSCAP, 150uF, 6.3V, 0.035 Ohms, 20%, Case B	7343	6TSE150MAZB	Sanyo
	C101	150uF	Capacitor, POSCAP, 150uF, 6.3V, 0.035 Ohms, 20%, Case B	7343	6TSE150MAZB	Sanyo
3	J4	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 incl	ED1514	OST
	J5	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 incl	ED1514	OST
	J6	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 incl	ED1514	OST
1	L1	4.7uH	Inductor, SMT, 4.7uH, 5.5A, 0.040 Ohms	0.255 x 0.270	IHLP2525CZER4R	Vishay Dale
1	L2	3.3uH	Inductor, SMT, 3.3uH, 6A, 0.030 Ohms	0.255 x 0.270	IHLP2525CZER3R	Vishay Dale
2	Q1	Si7110DN	MOSFET, N-Ch, 20V, 17.4A, 0.0078 Ohms, PowerPak 1212-8	PWRPAK 1212	Si7110DN	Vishay Siliconix
	Q2	Si7110DN	MOSFET, N-Ch, 20V, 17.4A, 0.0078 Ohms, PowerPak 1212-8	PWRPAK 1212	Si7110DN	Vishay Siliconix
2	Q3	Si7108DN	MOSFET, N-Ch, 20V, 19.7A, 0.0061 Ohms, PowerPak 1212-8	PWRPAK 1212	Si7108DN	Vishay Siliconix
	Q4	Si7108DN	MOSFET, N-Ch, 20V, 19.7A, 0.0061 Ohms, PowerPak 1212-8	PWRPAK 1212	Si7108DN	Vishay Siliconix
1	R3	3.92K	Resistor, Chip, 3.92K Ohms, 1%, 0402	0402	Std	Std
1	R4	4.32K	Resistor, Chip, 4.32K Ohms, 1%, 0402	0402	Std	Std
1	R5	5.1	Resistor, Chip, 5.1 Ohms, 5%, 0402	0402	Std	Std
2	R9	100K	Resistor, Chip, 100K Ohms, 1%, 0402	0402	Std	Std
	R10	100K	Resistor, Chip, 100K Ohms, 1%, 0402	0402	Std	Std
1	U1	TPS51120RHB	IC, Dual Synchronous PWM Controller, QFN	QFN32	TPS51120RHB	Texas Instruments
1	XM7000	STD	Jumper, Through Hole 0.035,		STD	STD

- 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.

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