

Filename: PMP4536\_REVB\_bom.xls

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## PMP4536\_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	22uF	Capacitor, Ceramic, 25V, X7R, [tol]	1210	GRM32ER71C226I	Murata
1	C2	open	Capacitor, Ceramic, vvV, [temp], [tol]	1210	Std	Vishay
1	C3	100nF	Capacitor, Ceramic, Low Inductance, vvV, [temp], [tol]	0603	GRM39yyyxxxKvvv	muRata
4	C4	10uF	Capacitor, Ceramic, 25V, X7R, [tol]	0805	GRM21BR71A106I	muRata
1	C5	0.1 uF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	TDK
1	C6	0.047uF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
1	C7	150uF	Capacitor, Aluminum, 6.3V, 220uF, ±20%	0.260 x 0.276 ir	EEVFK0J221D	Panasonic
	C8	10uF	Capacitor, Ceramic, 25V, X7R, [tol]	0805	GRM21BR71A106I	muRata
1	C9	1uF	Capacitor, Ceramic, vvV, [temp], [tol]	1210	Std	Vishay
1	C10	330pF	Capacitor, Ceramic, 330pF, 50V, X7R, 15%	1210	Std	TDK
1	C12	4700pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
1	C13	180pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	Std	TDK
1	C14	0.1uF	Capacitor, Ceramic, Low Inductance, vvV, [temp], [tol]	0603	GRM39yyyxxxKvvv	muRata
	C15	10uF	Capacitor, Ceramic, 25V, X7R, [tol]	0805	GRM21BR71A106I	muRata
2	C16	470pF	Capacitor, Ceramic, 1500V, X7R, +-10%	1206	C1206C471JFRAC	KEMET
	C17	470pF	Capacitor, Ceramic, 1500V, X7R, +-10%	1206	C1206C471JFRAC	KEMET
	C18	10uF	Capacitor, Ceramic, 25V, X7R, [tol]	0805	GRM21BR71A106I	muRata
1	D1	BAT54	Diode, Schottky, 200-mA, 30-V	SOT23	BAT54	Vishay-Liteon
1	D2	MBRS340	Diode, Schottky, 3A, 40V	SMC	MBRS340T3	Motorola
1	D3	7V5	Diode, Zener, 13-V, 350-mW	SOT-23	BZX84C13LT1	ON Semi
3	J1	ED1514	Terminal Block, 2 pin, 6A, 3.5mm	0.27 x 0.25	ED1514	OST
	J2	ED1514	Terminal Block, 2 pin, 6A, 3.5mm	0.27 x 0.25	ED1514	OST
	J3	ED1514	Terminal Block, 2 pin, 6A, 3.5mm	0.27 x 0.25	ED1514	OST
1	R1	330K	Resistor, Chip, 1/16W, 5%	0603	CRCW0603-xxxx-F	Vishay
1	R2	110K	Resistor, Chip, 1/16W, 5%	0603	CRCW0603-xxxx-F	Vishay
1	R3	16.9K	Resistor, Chip, 1/16W, 5%	0603	CRCW0603-xxxx-F	Vishay
1	R4	10.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R5	0 ohm	Resistor, Chip, 1/16W, 5%	0603	CRCW0603-xxxx-F	Vishay
1	R6	3.16k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	60.4K	Resistor, Chip, 1/16W, 1%	0603	Std	Std

1	R8	10	Resistor, Chip, 1/10W, 1%	0805	CRCW0805-xxxx-F	Vishay
1	R9	2 ohm	Resistor, Chip, 1/16W, 5%	0603	CRCW0603-xxxx-F	Vishay
1	R10	28.7K	Resistor, Chip, 1/16W, 5%	0603	CRCW0603-xxxx-F	Vishay
	R11	0 ohm	Resistor, Chip, 1/16W, 5%	0603	CRCW0603-xxxx-F	Vishay
1	R12	100K	Resistor, Chip, 1/16W, 5%	0603	CRCW0603-xxxx-F	Vishay
1	R13	3.3 ohm	Resistor, Chip, 1/16W, 5%	0603	CRCW0603-xxxx-F	Vishay
1	T2	5.1 uH	Transformer, ±10%	0.475 x 0.420 ir	PH9062NL	Pulse
1	U1	TPS76601	IC, LDO Voltage Regulator, xxxV, xxxmA	SOIC8	TPS76xxxD	Texas Instruments
1	U2	TPS54331DDA	IC, Step-Down Swift Converter, 5.5V xx V, 3A	SO8[DDA]	TPS54332DDA	TI

- 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.

AREA

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