

Filename: PMP5548 REV_B_bom.xls

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P5548 REV_548 REV_B BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
C1	0.1uF0	Capacitor, Ceramic	0603	Std	Std	
1	C2	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	TDK
4	C3	22uF	Capacitor, Ceramic, 10V, X5R, 10%	1206	GRM42-6yyyxxxKvv	muRata
	C4	22uF	Capacitor, Ceramic, 10V, X5R, 10%	1206	GRM42-6yyyxxxKvv	muRata
	C5	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C6	3.3uF	Capacitor, Ceramic, 50V, 3.3-uF, X7R, 15%	1210	C3225X7R2A335K	TDK
	C7	3.3uF	Capacitor, Ceramic, 50V, 3.3-uF, X7R, 15%	1210	C3225X7R2A335K	TDK
	C8	22uF	Capacitor, Ceramic, 10V, X5R, 10%	1206	GRM42-6yyyxxxKvv	muRata
	C9	22uF	Capacitor, Ceramic, 10V, X5R, 10%	1206	GRM42-6yyyxxxKvv	muRata
1	C10	10pF	Capacitor, Ceramic, 50V, NP0/C0G	0603	Std	TDK
1	C11	0.015uF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	TDK
1	C12	6800pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	TDK
1	C13	1uF	Capacitor, Ceramic, Low Inductance, 10V, X5R, 10%	0603	C1608X5R1A105K	TDK
1	C14	2.2uF	Capacitor, Ceramic, 10V, X5R, 10%	0805	C2012X5R1A225K	TDK
1	D1	MBRS1100	Diode, Schottky, 1A, 100V	SMB	MBRS260	ON Semi
1	D2	MBRS260	Diode, Schottky, 2A, 60V	SMB	MBRS260	ON Semi
2	FB1	600 ohms	Ferrite Chip, 600 Ohm @100MHz, 2A	0805	MPZ2012S601A	TDK
	FB2	600 ohms	Ferrite Chip, 600 Ohm @100MHz, 2A	0805	MPZ2012S601A	TDK
2	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	J2	ED555/3DS	Terminal Block, 3-pin, 6-A, 3.5mm	0.41 x 0.25 inch	ED555/3DS	OST
	J3	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
1	L1	22uH	Inductor, SMT, 1.8A, 260milliohm	7.3mm x 7.3mm	744877220	WE
1	R1	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R2	499K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R3	dnp	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	28.0K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R5	120K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R6	3.4K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R7	22.1K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R8	49.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R9	dnp	Resistor, Chip, 1/16W, 1%	0603	Std	Std
5	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
3	TP4	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
	TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone

	TP6	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP7	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone
	TP8	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TPS54160DGQ	IC,DC-DC Converter, 3V-60V, 1.5A	MSOP-10	TPS54160DGQ	TI
1	U2	TPS79933DRV	IC, Ultra-low Noise, High PSRR 200 mA, LDO Regulators	SON-6	TPS79933DRV	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.

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