

Filename: PMP5521 REV_A_bom.xls

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PMP5521 REV_A BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR	AREA
1	C1	10uF	Capacitor, Ceramic, 25V, X5R, 20%	1206	STD	STD	15390
1	C2	Open	Capacitor, Ceramic, 25V, X5R, 20%	1206	STD	STD	15390
1	C3	0.047uF	Capacitor, Ceramic, 10V, X5R, 10%	0603	STD	STD	5650
1	C4	33nF	Capacitor, Ceramic, 10V, X5R, 10%	0603	STD	STD	5650
1	C5	Open	Capacitor, Ceramic, 10V, X5R, 10%	0603	STD	STD	5650
1	C7	0.1uF	Capacitor, Ceramic, 25V, X5R, 20%	0603	STD	STD	5650
4	C8	4.7uF	Capacitor, Ceramic, 50V, X7R, 10%	1210	STD	STD	83,600
	C9	4.7uF	Capacitor, Ceramic, 50V, X7R, 10%	1210	STD	STD	83,600
	C10	4.7uF	Capacitor, Ceramic, 50V, X7R, 10%	1210	STD	STD	83,600
	C11	4.7uF	Capacitor, Ceramic, 50V, X7R, 10%	1210	STD	STD	83,600
1	D1	MBRA340	Diode, Schottky, 3A, 40V	SMA	MBRA340	On Semi	29520
5	J1	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins	
	J2	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins	
	J3	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins	
	J4	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins	
	J5	PTC36SAAN	Header, Male 2-pin, 100mil spacing, (36-pin strip)	0.100 inch x 2	PTC36SAAN	Sullins	
2	J6	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST	70125
	J7	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST	70125
1	JP1	PTC36SAAN	Header, Male 3-pin, 100mil spacing, (36-pin strip)	0.100 inch x 3	PTC36SAAN	Sullins	0.043 inch
1	L1	10 uH	Inductor, WE-TPC SMT Series, 3A, 45milliohm	0.402 sq inch	744065100	Wuerth	202000
1	R1	221k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R2	16.2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R3	3.09k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R4	143k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R5	50	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	R6	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5,650
1	SH1		Short jumper				
4	TP1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP2	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP3	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP4	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
1	TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
1	U1	TPS61175PWP	IC, High Voltage/Current Boost Converter	HTSSOP-14	TPS61175PWP	TI	57600

- 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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