

Filename: PMP2740REVB_bom.xls

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PMP2740REVB BOM

COUNT	RefDes	Value	Description	SIZE	Part Number	MFR	AREA
6	C1	10uF	Capacitor, Ceramic, X5R, 25V, 15%	1206	C3216X5R1E106M	TDK	15390
	C2	10uF	Capacitor, Ceramic, X5R, 25V, 15%	1206	C3216X5R1E106M	TDK	15390
6	C3	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK	5650
	C4	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK	5650
1	C5	3.3nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
1	C6	47pF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
6	C7	47 uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	C3216X5R0J476MT	TDK	15390
	C8	47 uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	C3216X5R0J476MT	TDK	15390
3	C9	10nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
	C10	10uF	Capacitor, Ceramic, X5R, 25V, 15%	1206	C3216X5R1E106M	TDK	15390
	C11	10uF	Capacitor, Ceramic, X5R, 25V, 15%	1206	C3216X5R1E106M	TDK	15390
	C13	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK	5650
	C14	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK	5650
2	C15	3.9nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
1	C16	56pF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
	C17	47 uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	C3216X5R0J476MT	TDK	15390
	C18	47 uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	C3216X5R0J476MT	TDK	15390
	C19	10nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
	C21	10uF	Capacitor, Ceramic, X5R, 25V, 15%	1206	C3216X5R1E106M	TDK	15390
	C22	10uF	Capacitor, Ceramic, X5R, 25V, 15%	1206	C3216X5R1E106M	TDK	15390
	C23	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK	5650
	C24	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK	5650
	C25	3.9nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
1	C26	68pF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
	C27	47 uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	C3216X5R0J476MT	TDK	15390
	C28	47 uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1206	C3216X5R0J476MT	TDK	15390
	C29	10nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
3	C101	1.8nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
	C102	1.8nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
	C203	1.8nF	Capacitor, Ceramic, 16V, X7R, 10%	0603	GRM39yyyxxxKvvvA	muRata	5650
3	D1	MBRS330T3	Diode, Schottky, 3A, 30V	SMC	MBRS330T3	ONsemi	95000

	D2	MBRS330T3	Diode, Schottky, 3A, 30V	SMC	MBRS330T3	ONsemi	95000
	D11	MBRS330T3	Diode, Schottky, 3A, 30V	SMC	MBRS330T3	ONsemi	95000
6	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST	
3	J2	PTC36SAAN	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 x 2	PTC36SAAN		23100
	J3	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST	
	J11	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST	
	J12	PTC36SAAN	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 x 2	PTC36SAAN		23100
	J13	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST	
	J21	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST	
	J22	PTC36SAAN	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 x 2	PTC36SAAN		23100
	J23	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED1514	OST	
3	L1	6.8 uH	Inductor, SMT, 3.60Arms, 35milliohm	0.406 x 0.409 inch	CDRH103RNP-6R8N	Sumida	192,100
	L11	6.8 uH	Inductor, SMT, 3.60Arms, 35milliohm	0.406 x 0.409 inch	CDRH103RNP-6R8N	Sumida	192,100
	L21	6.8 uH	Inductor, SMT, 3.60Arms, 35milliohm	0.406 x 0.409 inch	CDRH103RNP-6R8N	Sumida	192,100
3	R1	165k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
3	R2	46.4k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
1	R4	20.5k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
1	R5	3.16k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
3	R6	49.9	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
3	R7	10.0k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
	R11	165k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
	R12	46.4k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
1	R14	17.4k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
1	R15	4.64k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
	R16	49.9	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
	R17	10.0k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
	R21	165k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
	R22	46.4k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
1	R24	14.7k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
1	R25	7.87k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
	R26	49.9	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
	R27	10.0k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay	9100
3	R101	10	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std	15390
	R102	10	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std	15390
	R203	10	Resistor, Metal Film, 1/4 watt, ± 5%	1206	Std	Std	15390
9	TP1	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
9	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	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP5	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP6	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP11	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP12	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP13	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP14	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP15	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP16	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP21	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP22	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP23	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP24	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
	TP25	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
	TP26	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
3	U1	TPS54331D	IC, DC-DC Converter, 28V, 3A	SO-8	TPS54331D	TI	75900
	U11	TPS54331D	IC, DC-DC Converter, 28V, 3A	SO-8	TPS54331D	TI	75900
	U21	TPS54331D	IC, DC-DC Converter, 28V, 3A	SO-8	TPS54331D	TI	75900
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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