

PMP5308_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	MFR
2	C10, C14	0.1uF	Capacitor, Ceramic, 16V, X5R,10%	0402	STD	{MFR}
1	C11	470pF	Capacitor, Ceramic, 100V, C0G, 10%	0603	Std	Std
1	C13	220pF	Capacitor, Ceramic, 25V, X7R,10%	0402	STD	{MFR}
1	C15	1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
1	C16	220pF	Capacitor, Ceramic, 50V, C0G, 10%	0603	Std	Std
1	C18	47pF	Capacitor, Ceramic, 50V, NPO, 5%	0402	{Part Number}	{MFR}
1	C19	0.033uF	Capacitor, Ceramic, 10V, X5R,10%	0402	{Part Number}	{MFR}
2	C25, C26	10uF	Capacitor, Ceramic, 10V, X5R,	0805	STD	muRata
1	C27	1uF	Capacitor, Ceramic, 16V, X7R	0603	STD	muRata
1	C28	1uF	Capacitor, Ceramic, Low Inductance, vvV,	0603	STD	muRata
1	C5	10uF	Capacitor, Ceramic, 25V, X5R, 20%	1206	Std	Std
1	C6	0.1uF	Capacitor, Ceramic, Low Inductance, vvV,	0603	GRM39yyyxxxKvvvA	muRata
1	C9	0.01uF	Capacitor, Ceramic, Low Inductance ,50V, X7R,10%	0603	std	std
4	D2, D3, D4, D5	DFLS140L	Diode, Schottky, 1A, 40V	PowerDI 123	DFLS140L	Diodes Inc.
1	J1	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
2	J2, J3	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST
1	Q1	Si3458DV	MOSFET, N-ch, 40-V,5.8-A, 35-milliOhms	TSOP-6	Si3458DV	Vishay
1	R10	1k	Resistor, Chip, 1/16W, 10%	0402	Std	Std
2	R11, R12	DNP	Resistor, Chip, 1/4W, 1%	1206	Std	Std
1	R15	0.03	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
1	R17	26.1k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R19	20	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	11k	Resistor, Chip, 1/16W, x%	0402	Std	Std
1	R21	49.9	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R22	2.7k	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R23	DNP	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R3	10k	Resistor, Chip, 1/10W, 1%	0603	CRCW0603-xxxx-F	std
1	R6	301K	Resistor, Chip, 1/16W, 1%	0402	Std	Std
1	R7	10	Resistor, Chip, 1/16W, 5%	0603	Std	Std
2	R8, R13	1	Resistor, Chip, 1/16W, 5%	0603	Std	Std
1	R9	100	Resistor, Chip, 1/4W, 1%	1206	Std	Std
1	T2	15.0 uH	Transformer, Flyback ± 10%	0.480 x 0.600 inch	EP_480 X600	Renco Electronics
7	TP1, TP3, TP4, TP5, TP6, TP7, TP8	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone

4	TP9, TP10, TP11, TP12	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	U1	TPS40210DGQ	IC, 4.5V-52V I/P, Current Mode Boost Controller	DGQ10	TPS40210DGQ	TI
2	U2, U4	TPS77350DGK	IC, 250mA LDO Regulator With /Reset Output	DGK8	TPS773xxDGK	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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