

PMP8678 Rev_C BOM

Quantity	Designator	Value	Description	PackageReference	PartNumber	Manufacturer
1	C1	2200pF	CAP, CERM, 2200pF, 630V, +/-5%, C0G/NP0, 1206	1206	C3216C0G2J222J	TDK
2	C3, C4	33uF	Capacitor, multi pattern, SM 805 to 1206	0.630 inch	500BXC33uFMEFC18x25	Rubycon
1	C5	1500uF	Capacitor, electrolytic, high-ripple 105C	0.492 inch	16ZL1500uFMxxxx12.5x20	Rubycon
1	C6	22uF	CAP, CERM, 22uF, 25V, +/-10%, X6S, 1210	1210	GRM32EC81E226KE15L	MuRata
1	C7	1uF	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603	C1608X7R1C105K	TDK
1	C8	10uF	CAP, CERM, 10uF, 6.3V, +/-10%, X7R, 0805	0805	GRM21BR70J106KE76L	MuRata
1	C100	10uF	CAP, CERM, 10uF, 25V, +/-10%, X5R, 1206	1206	GRM31CR61E106KA12L	MuRata
2	D1, D2	1N4007	Diode, Standard, 1KV, 1A, TH	DO-41	1N4007	Diodes
2	D3, D4	250V	Diode, TVS, Uni, 250V, 400W, SMA	SMA	SMAJ220A	MDE Semiconductors
1	D5	RGP02-20E	Diode, Fast switching, 2000V, 1A, TH	DO-41	RGP02-20E	Vishay
1	D6	MBRS3200T3G	Diode, Schottky, 200V, 3A, SMB	SMB	MBRS3200T3G	ON Semiconductor
2	D7, D9	BAS21-7-F	Diode, Switching, 200V, 0.2A, SOT-23	SOT-23	BAS21-7-F	Diodes Inc.
1	D10	18V	Diode, Zener, 18V, 500mW, SOD-123	SOD-123	MMSZ5248B-7-F	Diodes Inc.
1	L1	1mH	Inductor, Shielded Drum Core, Metal Composite, 1mH, 0.5A, 1.7 ohm, TH	Dia 8x10mm	768772102	Würth Elektronik eiSos
1	L2	47uH	Inductor, Shielded Drum Core, Ferrite, 47uH, 0.66A, 0.608 ohm, SMD	4.8x2.8x4.8mm	74408942470	Würth Elektronik eiSos
1	Q2	FJI5603D	Transistor, NPN, 800V, 3A, TO-262	TO-262	FJI5603D	Fairchild Semiconductor
1	R1	10 Ohm	Resistor, Axial, 1W, xx%	0.150 x 0.700 inch	PWR4522AS10R0JA	Bourns
1	R2	6.8k	RES, 6.8k ohm, 5%, 0.25W, 1206	1206	CRCW12066K80JNEA	Vishay-Dale
4	R3, R6, R8, R9	1.00Meg	RES, 1.00Meg ohm, 1%, 0.25W, 1206	1206	CRCW12061M00FKEA	Vishay-Dale
2	R4, R5	750K	RES 750K OHM 3/4W 1% 2010 SMD	2010	CRCW2010750KFKEF	Vishay
1	R7	100	RES, 100 ohm, 1%, 0.125W, 0805	0805	CRCW0805100RFKEA	Vishay-Dale
1	R10	10k	RES, 10k ohm, 5%, 0.1W, 0603	0603	CRCW060310K0JNEA	Vishay-Dale
1	R11	22.1	RES, 22.1 ohm, 1%, 0.1W, 0603	0603	CRCW060322R1FKEA	Vishay-Dale
2	R13, R14	31.6k	RES, 31.6k ohm, 1%, 0.1W, 0603	0603	CRCW060331K6FKEA	Vishay-Dale
1	R15	100k	RES, 100k ohm, 1%, 0.1W, 0603	0603	CRCW0603100KFKEA	Vishay-Dale
1	R16	29.4k	RES, 29.4k ohm, 1%, 0.1W, 0603	0603	CRCW060329K4FKEA	Vishay-Dale
1	R17	32.4k	RES, 32.4k ohm, 1%, 0.1W, 0603	0603	CRCW060332K4FKEA	Vishay-Dale
1	R18	130	RES, 130 ohm, 1%, 0.1W, 0603	0603	CRCW0603130RFKEA	Vishay-Dale
1	R19	1.82	RES, 1.82 ohm, 1%, 0.25W, 1206	1206	CRCW12061R82FKEA	Vishay-Dale
1	R20	0	RES, 0 ohm, 0.1W, 0603	0603	RES, 0 ohm, 0.1W, 0603	N/A
1	T1	4.5mH	Transformer, 4.5 mH, TH	22.25x22.99x14.4mm	750314382	Würth Elektronik eiSos
4	TP1, TP2, TP3, TP5	Red	Test Point, TH, Miniature, Red	Keystone5000	5000	Keystone
1	TP4	Black	Test Point, TH, Miniature, Black	Keystone5001	5001	Keystone
1	U1	UCC28720D	CONSTANT-VOLTAGE, CONSTANT-CURRENT CONTROLLER WITH PRIMARY SIDE REGULATION, D0007A	D0007A	UCC28720D	Texas Instruments
1	U2	TPS560200DBVR	Synchronous Step Down SWIFT Converter with Advanced Eco-mode	SOT23-5	TPS560200DBVR	Texas Instruments

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