

PMP4425_RevA_Bom

Qty	Reference	Value	Description	Size	Part Number	MFR
1	C9	0.01 uF	Capacitor, Ceramic, 50V, X7R, 10%	603	std	Std
3	C2 C5 C14	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	603	std	Std
2	C7 C15	0.1uF	Capacitor, Ceramic, 50V, X7R, 15%	603	std	Std
1	C8	100pF	Capacitor, Ceramic, 50V, NPO, 10%	603	std	Std
1	C3	10uF	CAP CER 10UF 6.3V 10% X7R 0805	805	GRM21BR70J106KE76K	murata
2	C10 C11	100 uF	Capacitor, Tant, Low ESR, 6.3V, ±10%	7343 (D)	EEJRX0J101R	Panasonic
1	C4	220 uF	CAP ALUM 220UF 50V 20% RADIAL	0.492 inch	MAL214251221E3	Vishay
1	J1	48037-1000	CONN PLUG USB 4POS RT ANG SMD	0.354 X 0.307 In	48037-1000	Molex Inc
1	J2	2.54mm	2.54mm jumper			
1	J3	C-292303-x	Connector, USB TH	14.0 x 14.0 mm	61400416021	wurth
1	D3	SML-LX2832SGC-TR	Diode, LED, Red, 1.7-V, 40-mcd, SM	1210	SML-LX2832SGC-TR	Lumex
1	D1	PDS1040	DIODE SCHOTTKY 40V 10A POWERDI5	PowerDI™ 5	PDS1040	Diodes
1	J6		Dell female connector			Dell
1	U4	INA213DCK	IC, Voltage Output, High or Low Side Measurement Bi-Directional Zero-Drift Series	SC-70	INA213DCK	TI
1	L2	0805USB-421M1	Inductor, Coupled	0.050 x 0.080 in	0805USB-421M1	Coilcraft
1	L1	15uH	Inductor, SMT, 10.3A, 9.4 milliohms	0.543"x 0.516"	IHLP5050FDER15R0M51	Vishay
1	R23	0	Resistor, Chip, 1/10-W, 1%	603	std	Std
1	R15	1.21K	Resistor, Chip, 1/10-W, 1%	603	std	Std
1	R9	470K	Resistor, Chip, 1/10-W, 1%	603	std	Std
2	R10 R34	10K	Resistor, Chip, 1/10-W, 1%	603	std	Std
1	R2	40.2K	Resistor, Chip, 1/10-W, 1%	603	std	Std
1	R16	8.25K	Resistor, Chip, 1/10-W, 1%	603	std	Std
3	R11	22.1k	Resistor, Chip, 1/10-W, 1%	603	std	Std
1	R24	2K	Resistor, Chip, 1/10-W, 1%	603	std	Std
1	R1	48.7k	Resistor, Chip, 1/10-W, 1%	603	std	Std
1	R17	49.9	Resistor, Chip, 1/10-W, 1%	603	std	Std
1	R4	10K	Resistor, Chip, 1/10-W, 1%	603	std	Std
4	R3 R5 R30 R32	100K	Resistor, Chip, 1/10W, 1%	603	std	Std
2	R28-29	10K	Resistor, Chip, 1/10W, 1%	603	std	Std
2	R37-39	200K	Resistor, Chip, 1/10W, 1%	603	std	Std
1	R26	13K	Resistor, Chip, 1/10W, 1%	603	std	Std
2	R27 R31	NA	Resistor, Chip, 1/10W, 1%	603	std	Std
1	R12	0.01	Resistor, Chip, 1W, 1%	2512	std	Std
1	U2	TPD2E001DZDR	IC, Low-Capacitance 2-Chan ±15-kV ESD-Protection Array	SOP	TPD2E001DZDR	TI
1	U5	TPS54340-Q1	4.5-V to 42-V Input, 3.5-A, Step-Down DC-DC Converter with Eco-mode™		TPS54340-Q1	TI
1	U3	TPS2546-Q1	Automotive USB Charging Port Controller and Power Switch	QFN-16	TPS2546-Q1	TI

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