

PMP10921 REV B Bill of Materials



Designator	Quantity	Value	PartNumber	Manufacturer	Description	Package
C1	1	10uF	C3225X7R1H106M250AC	TDK	CAP, CERM, 10 μ F, 50 V, +/- 20%, X7R, 1210	1210
C2, C9, C10	3	1uF	C1608X7R1C105K	TDK	CAP, CERM, 1 μ F, 16 V, +/- 10%, X7R, 0603	0603
C3, C5, C6, C8	4	0.1uF	C1608X7R1H104K	TDK	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	0603
C4	1	6.8uF	C3216X7R1E685M160AB	TDK	CAP, CERM, 6.8 μ F, 25 V, +/- 20%, X7R, 1206	1206_190
C7	1	open			CAP, CERM, 0603	0603
D1, D2	2	Green	LTST-C190GKT	Lite-On	LED, Green, SMD	1.6x0.8x0.8mm
D3	1	30V	BAT54HT1G	ON Semiconductor	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
J1, J3	2		ED555/2DS	On-Shore Technology	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
J2	1		PEC02SAAN	Sullins	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
L1	1	15uH	IHLP2020CZER150M5A	Vishay-Dale	Inductor, Shielded Drum Core, Powdered Iron, 15 μ H, 1.6 A, 0.195 ohm, SMD	5.18x3x5.5mm
Q1	1	30V	Si7228DN	Vishay	MOSFET, N-CH, 30 V, 0.020 Ohm, Dual, 3.3x3.3mm	Powerpak 1212-8
R1, R2	2	499	CRCW0603499RFKEA	Vishay-Dale	RES, 499, 1%, 0.1 W, 0603	0603
R3	1	9.31k	CRCW06039K31FKEA	Vishay-Dale	RES, 9.31 k, 1%, 0.1 W, 0603	0603
R4	1	294k	CRCW0603294KFKEA	Vishay-Dale	RES, 294 k, 1%, 0.1 W, 0603	0603
R5	1	0.05	CRM0805-FW-R050ELF	Bourns	RES, 0.05, 1%, 0.25 W, 0805	0805
R6	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, 0603	0603
R7	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R8	1	1.00Meg	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, 0603	0603
R9	1	10.0	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, 0603	0603
R10	1	432k	CRCW0603432KFKEA	Vishay-Dale	RES, 432 k, 1%, 0.1 W, 0603	0603
R11	1	37.4k	CRCW060337K4FKEA	Vishay-Dale	RES, 37.4 k, 1%, 0.1 W, 0603	0603
R12	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, 0603	0603
TP1, TP3, TP4, TP5, TP7	5	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP6, TP8	3	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		BQ24600RVAR	Texas Instruments	Standalone Synchronous Switch-Mode Charge Controller, 5 V, -40 to 85 degC, 16-pin VQFN (RVA), Green (RoHS & no Sb/Br)	RVA0016A

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