

PMP10121 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	47uF	EEUED2W470	Panasonic	CAP, AL, 47 µF, 450 V, +/- 20%, 0.609529 ohm, TH	18x31.5
C2, C3	2	0.22uF	B32922C3224K	EPCOS Inc	CAP, Film, 0.22 μF, 630 V, +/- 10%, TH	B32922_12.5mm
C4	1	1000pF	GRM31B5C2J102JW01L	MuRata	CAP, CERM, 1000 pF, 630 V, +/- 5%, C0G/NP0, 1206	1206
C5	1	470uF	EKZN350ELL471MJ20S	Chemi-Con	CAP, AL, 470 µF, 35 V, +/- 20%, 0.028 ohm, TH	D10xL20mm
C6	1	220uF	EKZN350ELL221MH15D	Chemi-Con	CAP, AL, 220 µF, 35 V, +/- 20%, 0.059 ohm, TH	D8xL15mm
C7	1	DNP	Used in BOM report	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference]	Used in PnP output
			'	· ·		and some BOM
						reports
C8	1	33uF	EEE-FC1V330P	Panasonic	CAP, AL, 33 µF, 35 V, +/- 20%, 0.4 ohm, SMD	SMT Radial E
C9	1	22pF	GRM1885C1H220JA01D	MuRata	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C10	1	0.01uF	GRM216R71H103KA01D	MuRata	CAP, CERM, 0.01 μF, 50 V, +/- 10%, X7R, 0805	0805
C11	1	DNP	C0603C100J5GACTU	Kemet	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C12	1	0.047uF	C1608X7R1H473K	TDK	CAP, CERM, 0.047 µF, 50 V, +/- 10%, X7R, 0603	0603
C13	1	0.1uF	GRM21BR71H104KA01L	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0805	0805
C14	1	100pF	C0603C101J5GAC	Kemet	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C15	1	1000pF	C1608C0G1H102J	TDK	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
D1	1	420V	GBU8J-BP		en Diode, Switching-Bridge, 420 V, 8 A, TH	GBU
D2	1	1000V	RS1MB-13-F	Diodes Inc.	Diode, P-N, 1000 V, 1 A, SMB	SMB
D3	1		10CTQ150SPBF	Used in BOM report	Diode, Schottky, xxV, xxA, [PackageReference]	Used in PnP output
	'	PBF	1001@10001.	Coca in Bow report	blode, constity, xxv, xxx, [i dotagerreference]	and some BOM
		5				reports
D4	1	200V	BAS21-7-F	Diodes Inc.	Diode, Switching, 200 V, 0.2 A, SOT-23	SOT-23
F1	1 1	200 V	37211600001	Littelfuse	Fuse, 1.6 A, 250 V, TH	TR5 fuse 8.5mm DIA
L1	1	330uH	MSS1210-334KE	Coilcraft	Inductor, Shielded, Ferrite, 330 µH, 1.7 A, 0.317 ohm, SMD	Inductor,
LI	'	J J J J J J J J J J	W661210 354KE	Concrait	inidactor, Oniciaca, Ferrite, 300 pri, 1.7 A, 0.017 Onin, OND	12.3x10x12.3mm
L2	1	10mH	744823210	Wurth Elektronik	Coupled inductor, 10 mH, 2 A, 0.125 ohm, +/- 30%, TH	13x22x17.5mm
Q1	1	710V	STB11N65M5	STMicroelectronics	MOSFET, N-CH, 710 V, 9 A, DDPAK	DDPAK
Q2	1	60 V	MMBT2907A	Fairchild Semiconductor	Transistor, PNP, 60 V, 0.8 A, SOT-23	SOT-23
Q3, Q4	2	40 V	MMBT3904	Fairchild Semiconductor	Transistor, NPN, 40 V, 0.2 A, SOT-23	SOT-23
R1, R5, R6	3	1.0Meg	CRCW08051M00JNEA	Vishay-Dale	RES, 1.0 M, 5%, 0.125 W, 0805	0805
R2	1	33	CRCW201033R0JNEF	Vishay-Dale	RES, 33, 5%, 0.75 W, 2010	2010
R3, R4	2	220k	CRCW2010220KFKEF	Vishay-Dale	RES, 220 k, 1%, 0.75 W, 2010	2010
R7	1	22	CRCW080522R0JNEA	Vishay-Dale	RES, 22, 5%, 0.125 W, 0805	0805
R8	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R9, R10	2	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R11	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0, 5%, 0.125 W, 0805	0805
R12	1	147k	CRCW0603147KFKEA	Vishay-Dale	RES, 147 k, 1%, 0.1 W, 0603	0603
R13	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R14	1	1.43k	CRCW06031K43FKEA	Vishay-Dale	RES, 1.43 k, 1%, 0.1 W, 0603	0603
R15	1	150k	CRCW0603150KFKEA	Vishay-Dale	RES, 150 k, 1%, 0.1 W, 0603	0603
R16	1 1	0.27ohm	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	1210
R17	1	34.8k	CRCW060334K8FKEA	Vishay-Dale	RES, 34.8 k, 1%, 0.1 W, 0603	0603
R18	1	3.01k	CRCW060334R01FKEA	Vishay-Dale Vishay-Dale	RES, 3.01 k, 1%, 0.1 W, 0603	0603
RT1	1	1 ohm	B57237S109M	EPCOS Inc	Thermistor NTC, 1 ohm, 20%, 15x7mm	15x7mm
RV1	1	275V	S10K275E2	EPCOS Inc	Varistor 275V RMS 10MM Radial, TH	10mm Radial
T1	1	400 uH	750315220	Wurth Elektronik	Transformer, 400 uH, TH	TH, 24x29.84mm
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Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP1, TP2, TP3,	4	Double	1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
TP4						
TP6	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature
						Testpoint
TP8	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature
						Testpoint
U1	1		UCC28600D	Texas Instruments	Quasi-Resonant Flyback Green-Mode Controller with Current Control, 99	D0008A
					% Duty Cycle, -40 to +105 degC, 8-pin SOIC (D), Green (RoHS & no	
					Sb/Br)	
U2	1		LMV431AIMFX/NOPB	Texas Instruments	Low-Voltage (1.24V) Adjustable Precision Shunt Regulators, 3-pin SOT-	MF03A
					23, Pb-Free	

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