

PMP10571 REV E2 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I/PCB	1		PMP10564	Any	PMP10564	N/A
+5V @ 3A, TP1	2	Yellow	5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
C4	1	1000pF	VJ1206A102JXGAT5Z	Vishay-Vitramon	CAP, CERM, 1000pF, 1000V, +/-5%, C0G/NP0, 1206	1206
C7, C8, C9, C10, C11	5	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 µF, 25 V, +/- 10%, X7R, 1210	1210
C12	1	0.1uF	C0603C104J3RAC	Kemet	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	0603
C13	1	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 µF, 100 V, +/- 10%, X7R, 0603	0603
C14	1	0.022uF	GRM188R71C223KA01D	MuRata	CAP, CERM, 0.022uF, 16V, +/-10%, X7R, 0603	0603
C15	1	1000pF	GRM188R71E102KA01D	MuRata	CAP, CERM, 1000 pF, 25 V, +/- 10%, X7R, 0603	0603
C16	1	2.2uF	GRM31CR61H225KA88L	MuRata	CAP, CERM, 2.2uF, 50V, +/-10%, X5R, 1206	1206
C17, C19, C20, C21	4	10uF	CL31A106KBHNNNE	Samsung	CAP, CERM, 10 µF, 50 V, +/- 10%, X5R, 1206_190	1206_190
C18	1	2.2uF	GRM31CR72A225KA73L	MuRata	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1206_190	1206_190
C22	1	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
D1, D2	2	18V	MMSZ4705-V	Vishay-Semiconductor	Diode, Zener, 18 V, 500 mW, SOD-123	SOD-123
FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
J1, J2	2	2x1	1727010	Phoenix Contact	Conn Term Block, 2POS, 3.81mm, TH	2POS Terminal Block
L?	1	1uH	CLF7045T-1R0N	TDK	Inductor, Shielded, Ferrite, 1 µH, 8.9 A, 0.01 ohm, SMD	SMD, 7.2x4.5mm
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
Q1	1	60V	CSD18534Q5A	Texas Instruments	MOSFET, N-CH, 60 V, 50 A, SON 5x6mm	SON 5x6mm
R6	1	750k	CRCW0603750KFKEA	Vishay-Dale	RES, 750 k, 1%, 0.1 W, 0603	0603
R7	1	205k	CRCW0603205KFKEA	Vishay-Dale	RES, 205 k, 1%, 0.1 W, 0603	0603
R8	1	0	ERJ-6RQFR47V	Panasonic	RES, 0.47 ohm, 1%, 0.125W, 0805	0805
R10	1	6.98k	CRCW06036K98FKEA	Vishay-Dale	RES, 6.98 k, 1%, 0.1 W, 0603	0603
R11	1	133k	CRCW0603133KFKEA	Vishay-Dale	RES, 133 k, 1%, 0.1 W, 0603	0603
R12	1	19.6k	CRCW060319K6FKEA	Vishay-Dale	RES, 19.6 k, 1%, 0.1 W, 0603	0603
R13	1	18.2k	CRCW060318K2FKEA	Vishay-Dale	RES, 18.2k ohm, 1%, 0.1W, 0603	0603
R14	1	DNP	ERJ-6RQFR47V	Panasonic	RES, 0.47 ohm, 1%, 0.125W, 0805	0805
T1	1					
U1	1		LM5160DNT	Texas Instruments	Wide Input 65V, 1.5A Synchronous Step-Down DC-DC Converter, DNT0012B	DNT0012B

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