

PMP10100 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	220uF	EKMQ451VSN221MR30S	Nippon Chemi-Con	CAP, AL, 220uF, 450V, +/-20%, TH	30x30mm
C2, C3	2	0.22uF	B32922C3224K	EPCOS Inc	CAP, Film, 0.22uF, 630V, +/-10%, TH	B32922_12.5mm
C7, C8	2	470uF	EEV-FK1V471Q	Panasonic	CAP, AL, 470uF, 35V, +/-20%, 0.06 ohm, SMD	SMT Radial H13
C9, C10	2	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22uF, 25V, +/-10%, X7R, 1210	1210
C12	1	22uF	EEE-FC1E220P	Panasonic	CAP, AL, 22uF, 25V, +/-20%, 1 ohm, SMD	SMT Radial D
C14	1	1uF	Used in BOM report	Used in BOM report	CAP, CERM, xxxF, 50V, X7R, xx%,	0805
C16	1	10pF	06035A100JAT2A	AVX	CAP, CERM, 10pF, 50V, +/-5%, C0G/NP0, 0603	0603
C17	1	0.033uF	GRM188R71H333KA61D	MuRata	CAP, CERM, 0.033uF, 50V, +/-10%, X7R, 0603	0603
C18	1	150pF	Used in BOM report	Used in BOM report	CAP, CERM, xxxF, xxV, [TempCo], xx%,	0603
C19	1	100pF	06035A101JAT2A	AVX	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603
C20	1	470pF	GRM188R71H471KA01D	MuRata	CAP, CERM, 470pF, 50V, +/-10%, X7R, 0603	0603
C21	1	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C22	1	SHORT	ECKANA332ME	Panasonic	Capacitor, Ceramic Disk, 220V	0.394 X 0.315 inch Max.
C23	1	4700pF	ECKANA332ME	Panasonic	Capacitor, Ceramic Disk, 220V	0.394 X 0.315 inch Max.
C101	1	4700pF	VJ1206Y472KXEAT5Z	Vishay-Vitramon	CAP, CERM, 4700 pF, 500 V, +/- 10%, X7R, 1206	1206
D1	1	400V	GBU4G	Vishay-Semiconductor	Diode, Switching-Bridge, 800V, 4A, TH	GBU
D6	1	40CTQ150	40CTQ150	Used in BOM report	Diode, [Type], xxxV, x.xxA, [PackageReference]	Used in PnP output
D8	1		BAS20	Micro Commercial Component	Diode, P-N, 200V, SOT-23	SOT-23
D10	1	15V	MMSZ5245BT	On Semi	DIODE ZENER 15V 500MW SOD-123	SOD123
D101	1	600V	US1J	Diodes Inc.	Diode, Ultrafast, 1000V, 1A, SMA	SMA
F1	1		37213150001	Littelfuse	Fuse, 3.15A, 250V, TH	TR5 fuse 8.5mm DIA
L1	1	3.3mH	744824433	Würth Elektronik eiSos	Coupled inductor, 3.3mH	18.5x33x27.5 mm
Q2	1	BSS126	BSS126	Infineon	MOSFET, Nch, 600V, 7 mA, 700 Ohm	SOT23
Q5	1	IPP60R385	IPP60R385	Infineon	MOSFET, Nch, 550V, 7.1A, 0.52 Ohm	TO-220
R1, R4	2	10k	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	1206
R8	1	1.0Meg	CRCW06031M00JNEA	Vishay-Dale	RES, 1.0Meg ohm, 5%, 0.1W, 0603	0603
R9	1	30.1	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	0805
R12, R15	2	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.1W, 0603	0603
R13	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9k ohm, 1%, 0.1W, 0603	0603
R14	1	0	CRCW08050000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.125W, 0805	0805
R16	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32k ohm, 1%, 0.1W, 0603	0603
R17	1	14.0k	CRCW060314K0FKEA	Vishay-Dale	RES, 14.0k ohm, 1%, 0.1W, 0603	0603
R18	1	DNP	Used in BOM report	Used in BOM report	RES, xxx ohm, x%, xW, [PackageReference]	0603
R19	1	0.08	CSR1206FTR820	Stackpole Electronics Inc	RES, 0.82 ohm, 1%, 0.5W, 1206	1206
R20, R22	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R21	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603	0603
R23	1	6.81k	CRCW06036K81FKEA	Vishay-Dale	RES, 6.81k ohm, 1%, 0.1W, 0603	0603

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R101, R102	2	68	RMCP2010FT100R	Stackpole Electronics Inc	RES, 68 ohm, 1%, 1W, 2010	2010
R103, R104	2	100k	CRCW2512100KFKEG	Vishay-Dale	RES, 100k ohm, 1%, 1W, 2512	2512
RV1	1	TBD	SIOV-S20K275	Epcos	Varistor, Disk, 350V, 1W, TA @ 85C°	D Size
R_NTC1	1		CL-150	Thermometrics	Thermistor, xxohms	0.180 X 0.550 inch
T2	1	140uH	7508113417_r01	Wurth Elektronik eiSos	Transformer, 140uH, TH	39x26x32mm
TP1, TP2	2	Red	5010	Keystone	Test Point, TH, Multipurpose, Red	Keystone5010
TP3, TP4	2	Double	1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
TP5, TP6	2	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
TP7	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U2	1	LM5023MM	LM5023MM	Texas Instruments	IC, AC-DC Quasi-Resonant Current Mode PWM	MSOP
U3	1	FOD817A	FOD817xx	Fairchild	IC, Optocoupler, xx-V, yy% CTR	SMT-4PDIP
U4	1		LMV431AIMFX/NOPB	Texas Instruments	Low-Voltage (1.24V) Adjustable Precision Shunt Regulators, 3-pin SOT-23, Pb-Free	MF03A

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