

PMP10111 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C3, C4	4	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 µF, 50 V, +/- 10%, X7R, 1210	1210
C5, C6	2	180uF	25SVPF180M	Sanyo	CAP, OS-CON, 180uF, 25V, +/-20%, 0.016 ohm, 10x10.3 SMD	10x10.3
C7	1	10uF	C3225X7R1E106M250AC	TDK	CAP, CERM, 10uF, 25V, +/-20%, X7R, 1210	1210
C8	1	0.1uF	C1608X7R1H104K	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C9	1	100uF	EEE-FK1H101P	Panasonic	CAP, AL, 100uF, 50V, +/-20%, 0.34 ohm, SMD	SMT Radial KE0
C10	1	0.33uF	GRM188R71C334KA01D	MuRata	CAP, CERM, 0.33 µF, 16 V, +/- 10%, X7R, 0603	0603
C11, C14	2	1000pF	C1608X7R1H102K	TDK	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0603	0603
C12, C13	2	1uF	C1608X7R1E105K	TDK	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603
D1	1	PDS560-13	PDS560-13	Diodes Inc.	Diode, Schottky, 60 V, 5 A, PowerDI5	PowerDI5
FB1	1	60 Ohm @ 100MHz	BLM41PG600SH1	muRata	Ferrite Chip, 60 Ohm @100MHz, 6A, Temp -55 to +125°C	0.177 x 0.063 inch
J1, J2	2	ED555/2DS	ED555/2DS	On-Shore Technology, Inc.	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
L2	1	22uH	IHLP6767GZER220M5A	Vishay	Inductor Automotive, Shielded Drum Core, 22uH, 11A, 0.021 ohm, SMD	17.2x17.2mm
L3	1	22uH	IHLP4040DZER220M5A	Vishay	Inductor Automotive, Shielded, 22uH, 6.4A, 0.07 ohm, SMD	11x11mm
Q1	1	SQD40N06-14L	SQD40N06-14L	Vishay	MOSFET Automotive, N-CH, 60 V, 40 A, DPAK	DPAK
R1	1	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10 ohm, 1%, 0.1W, 0603	0603
R2	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.1W, 0603	0603
R3	1	1.00	CRCW12061R00FKEA	Vishay-Dale	RES, 1.00 ohm, 1%, 0.25W, 1206	1206
R4	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9k ohm, 1%, 0.1W, 0603	0603
R5	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603	0603
R6	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R7	1	221	CRCW0603221RFKEA	Vishay-Dale	RES, 221 ohm, 1%, 0.1W, 0603	0603
R8	1	0.01	ERJ-M1WSF10MU	Panasonic	RES, 0.01, 1%, 1 W, 2512	2512
R9	1	5.90k	CRCW06035K90FKEA	Vishay-Dale	RES, 5.90 k, 1%, 0.1 W, 0603	0603
R10	1	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00k ohm, 1%, 0.1W, 0603	0603
R11	1	82.5k	CRCW060382K5FKEA	Vishay-Dale	RES, 82.5 k, 1%, 0.1 W, 0603	0603
R12	1	51.1k	CRCW060351K1FKEA	Vishay-Dale	RES, 51.1 k, 1%, 0.1 W, 0603	0603
TP1, TP3, TP4, TP5	4	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
TP2, TP6, TP7	3	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
U1	1	LM3481QM M	LM3481QMM	Texas Instruments	High Efficiency Automotive Low-Side N-Channel Controller for Switching Regulators, 10-pin MSOP	MUB10A

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