

## PMP10130 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C5, C6	3	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 $\mu$ F, 50 V, +/- 10%, X7R, 1210	1210
C8	1	0.1uF	C1608X7R1H104K	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C10	1	0.047uF	C1608X7R1H473K	TDK	CAP, CERM, 0.047 $\mu$ F, 50 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
C100	1	470uF	EKZE500ELL471MK20S	Nippon Chemi-Con	CAP, AL, 470 $\mu$ F, 50 V, +/- 20%, 0.027 ohm, TH	12.5x20mm
D1	1	45V	MBRB2545CTT4G	ON Semiconductor	Diode, Schottky, 45 V, 30 A, DDPAK	DDPAK
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	3.3uH	7443330330	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 3.3 $\mu$ H, 14 A, 0.0054 ohm, SMD	Inductor, 10.9x9.3x10mm
L100	1	950nH	744310095	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Superflux, 950 nH, 11 A, 0.0065 ohm, SMD	7.0x3.0x6.9mm
Q1	1	60V	CSD18534Q5A	Texas Instruments	MOSFET, N-CH, 60 V, 50 A, SON 5x6mm	SON 5x6mm
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
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	8.25k	CRCW06038K25FKEA	Vishay-Dale	RES, 8.25 k, 1%, 0.1 W, 0603	0603
R10	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32 k, 1%, 0.1 W, 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
R100	1	0 Ohm	0 Ohm	Panasonic	RES, 0 Ohm	2512
R101	1	4.7	CRCW12064R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.25 W, 1206	1206
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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