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Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
!PCB1	1		Printed Circuit Board		PMP10364 rev B	Any		
C2	1	22.6k	RES, 22.6 k, 1%, 0.063 W, 0402	0402	CRCW040222K6FKED	Vishay-Dale		
C4	**0**	**DNP**	CAP, CERM, 0.01uF, 25V, +/-10%, X7R, 0402	0402	C1005X7R1E103K	TDK		
C5	1	330pF	CAP, CERM, 330pF, 50V, +/-5%, C0G/NP0, 0402	0402	C1005C0G1H331J	TDK		
C6	1	1uF	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603	GRM188R71E105KA12D	MuRata		
C7, C8	2	4.7uF	CAP, CERM, 4.7uF, 10V, +/-20%, X5R, 0402	0402	GRM155R61A475M	MuRata		
C9	1	0.1uF	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X5R, 0402	0402	GRM155R61E104KA87D	MuRata		
C10, C16	2	1000pF	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0402	0402	C1005X7R1H102K	TDK		
C11, C12, C13, C14	4	22uF	CAP, CERM, 22 µF, 25 V, +/- 10%, X5R, 1210	1210	GRM32ER61E226KE15L	MuRata		
C15	1	0.1uF	CAP, CERM, 0.1uF, 25V, +/-5%, X7R, 0603	0603	C0603C104J3RACTU	Kemet		
C17, C18	2	100uF	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210	1210	C1210C107M9PACTU	Kemet		
C19, C20	2	470uF	CAP, AL, 470uF, 2.5V, +/-20%, 9 ohm, SMD	7.3x1.8x4.3mm	EEFSX0E471ER	Panasonic		
C22, C24, C25, C26	4	0.1uF	CAP, CERM, 0.1uF, 50V, +/-20%, X7R, 0402	0402	C1005X7R1H104M	TDK		
C23	1	1uF	CAP, CERM, 1uF, 10V, +/-10%, X5R, 0402	0402	GRM155R61A105KE15D	MuRata		
C27	1	100uF	CAP, AL, 100uF, 25V, +/-20%, 0.13 ohm, TH	Cap_D8.0x11.5mm	UBT1E101MPD1TD	Nichicon		
C81	1	47pF	CAP, CERM, 47 pF, 25 V, +/- 5%, C0G/NP0, 0402	0402	GRM1555C1E470JA01D	MuRata		
C82	1	6800pF	CAP, CERM, 6800 pF, 25 V, +/- 10%, X7R, 0402	0402	GRM155R71E682KA01D	MuRata		
C83	1	1500pF	CAP, CERM, 1500 pF, 50 V, +/- 10%, X7R, 0402	0402	GRM155R71H152KA01D	MuRata		
D1, D2	2	30V	Diode, Schottky, 30V, 0.5A, SOD-123	SOD-123	MBR0530T1G	ON Semiconductor		
D3	1	Red	LED, Red, SMD	LED_0805	LTST-C170KRKT	Lite-On		
D4	1	30V	Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323	BAT54WS-7-F	Diodes Inc.		
H1, H2, H3, H4	4		Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw	NY PMS 440 0025 PH	B&F Fastener Supply		
H5, H6, H7, H8	4		Standoff, Hex, 0.5"L #4-40 Nylon	Standoff	1902C	Keystone		
J1	1		Header (shrouded), 100mil, 5x2, Gold, TH	5x2 Shrouded header	5103308-1	TE Connectivity		
J2	1		Connector, DC Jack 2.1X5.5 mm, TH	POWER JACK, 14.4x11x9mm	PJ-102A	CUI Inc.		
J3	1		TERMINAL BLOCK 5.08MM VERT 2POS	TERM_BLK, 2pos, 5.08mm	ED120/2DS	On-Shore Technology		
J4, J5	2		Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin	PEC02SAAN	Sullins Connector Solutions		
L1	1	330nH	Inductor, Ferrite, 330nH, 32.8A, 0.00033 ohm, SMD	SMD, 2-Leads, Body 10.2x10mm	VLB10090HT-R33K-B2	TDK		
LBL1	1		Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W	THT-14-423-10	Brady		
Q1	**0**	**DNP**	Transistor, NPN, 40V, 0.2A, SOT-23	SOT-23	MMBT3904	Fairchild Semiconductor		
Q2	1	25V	MOSFET, N-CH, 25V, 40A, SON 5x6mm	SON 5x6mm	CSD16556Q5B	Texas Instruments		None
R1, R26	2	100k	RES, 100k ohm, 1%, 0.063W, 0402	0402	CRCW0402100KFKED	Vishay-Dale		
R3, R5	**0**	**Open**	RES, 0 ohm, 5%, 0.063W, 0402	0402	OPEN	Panasonic		
R4	**0**	**Open**	RES, 20.0k ohm, 1%, 0.063W, 0402	0402	OPEN	Vishay-Dale		
R6	1	10.0k	RES, 10.0 k, 1%, 0.063 W, 0402	0402	CRCW040210K0FKED	Vishay-Dale		
R7, R13, R15	3	49.9	RES, 49.9 ohm, 1%, 0.063W, 0402	0402	CRCW040249R9FKED	Vishay-Dale		
R8	1	49.9k	RES, 49.9 k, 1%, 0.063 W, 0402	0402	CRCW040249K9FKED	Vishay-Dale		
R9	**0**	**DNP**	RES, 191 k, 1%, 0.063 W, 0402	0402	DNP	Vishay-Dale		
R10, R17	2	0	RES, 0 ohm, 5%, 0.063W, 0402	0402	RC0402JR-070RL	Yageo America		
R11, R12	2	34.8k	RES, 34.8 k, 1%, 0.063 W, 0402	0402	CRCW040234K8FKED	Vishay-Dale		

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
R14	1	2.2	RES, 2.2 ohm, 5%, 0.063W, 0402	0402	CRCW04022R20JNED	Vishay-Dale		
R16	1	1	RES, 1.0 ohm, 5%, 0.25W, 1206	1206	CRCW12061R00JNEA	Vishay-Dale		
R18, R20, R21	3	0.02	RES, 0.02, 1%, 2 W, 2512	2512	CSRN2512FK20L0	Stackpole Electronics Inc		
R19, R22	2	1.00k	RES, 1.00k ohm, 1%, 0.063W, 0402	0402	CRCW04021K00FKED	Vishay-Dale		
R23	1	8.06k	RES, 8.06k ohm, 1%, 0.063W, 0402	0402	CRCW04028K06FKED	Vishay-Dale		
R24	1	10.0k	RES, 10.0k ohm, 1%, 0.063W, 0402	0402	CRCW040210K0FKED	Vishay-Dale		
R25	1	200k	RES, 200k ohm, 1%, 0.063W, 0402	0402	CRCW0402200KFKED	Vishay-Dale		
R27	1	330	RES, 330 ohm, 5%, 0.063W, 0402	0402	CRCW0402330RJNED	Vishay-Dale		
R81	1	7.50k	RES, 7.50 k, 1%, 0.063 W, 0402	0402	CRCW04027K50FKED	Vishay-Dale		
R82	1	3.01k	RES, 3.01 k, 1%, 0.063 W, 0402	0402	CRCW04023K01FKED	Vishay-Dale		
R100	1	0.22	RES, 0.22 ohm, 1%, 0.125W, 0805	0805	ERJ-6RQFR22V	Panasonic		
T1, T2	2	50A	Terminal 50A Lug	CB35-36-CY	CB35-36-CY	Panduit		
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8	8	Red	Test Point, Miniature, Red, TH	Red Miniature Testpoint	5000	Keystone		
TP9, TP10, TP11	3	Black	Test Point, Miniature, Black, TH	Black Miniature Testpoint	5001	Keystone		
TP12	1	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone		
U1	1		18V, 20A/30A PMBUS SYNCHRONOUS BUCK CONVERTERS, RVF0040A	RVF0040A	TPS544C25RVFR	Texas Instruments	TPS544C25RVFT	Texas Instruments
U2	1	UCC37324D	IC, Dual 4-A High Speed Low-Side Power MOSFET Drivers	SO-8	UCC37324D	TI		None
U3	1	TLC555CD	IC, Timer, Low-Power CMOS	SO8	TLC555CD	TI		None
		Notes:						
		Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.						
		On PCB PMP10364 rev B: Cut trace from U1 pin 30 to ground, jumper U1 pin 30 to BP3						
		DNP R3, R4, R5, R9, C4, Q1						
		Put 22.6k resistor in C2 position						
		For 600mV version, test load resistors R18-R20-R21 become 10mOhms each, same 2512 size, instead of 20mOhms each shown for 1.0Vout.						

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