

PMP9795 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPCB	1		PMP9795	Any	Printed Circuit Board	
C1, C3, C5, C6	4	10uF	GRM188R61E106MA73D	MuRata	CAP, CERM, 10 µF, 25 V, +/- 20%, X5R, 0603	0603
C2, C4	2	470pF	GRM155R71H471KA01D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0402	0402
C7	1	0.1uF	GRM188R70J104KA01D	MuRata	CAP, CERM, 0.1 µF, 6.3 V, +/- 10%, X7R, 0603	0603
C8, C10	2	10uF	GRM188R60J106ME84	MuRata	CAP, CERM, 10 µF, 6.3 V, +/- 20%, X5R, 0603	0603
C9	1	3300pF	GRM188R71E332KA01D	MuRata	CAP, CERM, 3300pF, 25V, +/-10%, X7R, 0603	0603
CB1	1	150uF	16TQC150MYF	Panasonic	CAP, Tantalum Polymer, 150 µF, 16 V, +/- 20%, 0.05 ohm, 7343-31 SMD	7343-31
D1	1	5.1V	BZT52C5V1T-7	Diodes Inc.	Diode, Zener, 5.1 V, 300 mW, SOD-523	SOD-523
D2	1	16V	BZT52C16T-7	Diodes Inc.	Diode, Zener, 16 V, 300 mW, SOD-523	SOD-523
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
J1	1		TSW-106-08-G-S-RA	Samtec	Header, 100mil, 6x1, Gold, R/A, TH	6x1 R/A Header
J2	1		KUSBEX-SMT2-AS1N-B30TR	Kycon Inc	Connector, Receptacle, USB Type A, R/A, SMT	Connector, Receptacle, USB Type A, R/A, SMT
J3	1		TSW-106-07-G-S	Samtec	Header, 100mil, 6x1, Gold, TH	6x1 Header
J4, J5, J6, J7, J8, J9, J10, J11, J12, J13, J14, J15	12		HTSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	Header, 100mil, 3x1, TH
L1	1	2.2uH	XFL4020-222MEB	Coilcraft	Inductor, Shielded, Composite, 2.2 µH, 3.7 A, 0.02 ohm, SMD	4x2x4mm
Q1	1	-40V	SI4401BDY	Vishay-Siliconix	MOSFET, P-CH, -40V, -8.7A, SOIC-8	SOIC-8
Q2	1	40 V	MMBT3906TT1G	ON Semiconductor	Transistor, PNP, 40 V, 0.2 A, SOT-416	SOT-416
Q3	1	40 V	MMBT3904TT1G	ON Semiconductor	Transistor, NPN, 40 V, 0.2 A, SOT-416	SOT-416
Q4, Q5	2	50V	DMN5L06DWK-7	Diodes Inc.	MOSFET, N-CH, 50 V, 0.305 A, AEC-Q101, SOT-363	SOT-363
R1	1	2.61k	RC0603FR-072K61L	Yageo America	RES, 2.61 k, 1%, 0.1 W, 0603	0603
R2	1	8.45k	CRCW06038K45FKEA	Vishay-Dale	RES, 8.45 k, 1%, 0.1 W, 0603	0603
R3	1	2.10k	CRCW06032K10FKEA	Vishay-Dale	RES, 2.10 k, 1%, 0.1 W, 0603	0603
R4, R6	2	100k	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00Meg ohm, 1%, 0.1W, 0603	0603
R5	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R7	1	221k	CRCW0603221KFKEA	Vishay-Dale	RES, 221 k, 1%, 0.1 W, 0603	0603
R8	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R9, R10	2	5.11k	CRCW06035K11FKEA	Vishay-Dale	RES, 5.11 k, 1%, 0.1 W, 0603	0603
R11	1	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
R12, R20	2	2k	CRCW06032K0FKEA	Vishay-Dale	RES, 2 k, 0.1%, 0.1 W, 0603	0603
R13	1	1.50k	RG1608P-152-B-T5	Susumu Co Ltd	RES, 1.50 k, 0.1%, 0.1 W, 0603	0603
R14	1	1k	CRCW06031K0FKEA	Vishay-Dale	RES, 1 k, 0.1%, 0.1 W, 0603	0603
R15	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R22	1	2k	CRCW06032K0FKEA	Vishay-Dale	RES, 2 k, 1%, 0.1 W, 0603	0603
R16, R17, R18, R19, R21	5	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
U1	1		TPS62130RGTR	Texas Instruments	Buck Step Down Regulator with 3 to 17 V Input and 0.9 to 6 V Output, -40 to 85 degC, 16-Pin QFN (RGT), Green (RoHS & no Sb/Br)	RGT0016C

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U2	1		TPS2549IRTERQ1	Texas Instruments	Automotive USB Charging Port Controller with Integrated Power Switch & Cable Compensation, RTE0016C	RTE0016C
U3	1		OPA348AIDCKTG4	Texas Instruments	1 MHz, 45 uA, RRIO, Single Operational Amplifier, 2.1 to 5.5 V, -40 to 125 degC, 5-pin SOT23 (DCK0005A), Green (RoHS & no Sb/Br)	DCK0005A
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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