PMP10527 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP10505	Any	PMP10505 REV A	N/A
C1, C2, C3, C4	4	4.7uF	C3225X7S2A475K200AB	TDK	CAP, CERM, 4.7uF, 100V, +/-10%, X7S, 1210	1210
C5	1	0.22uF	GRM188R71C224KA01D	MuRata	CAP, CERM, 0.22uF, 16V, +/-10%, X7R, 0603	0603
C6	1	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0603	0603
C7	1	330pF	GRM188R71H331KA01D	MuRata	CAP, CERM, 330pF, 50V, +/-10%, X7R, 0603	0603
C9	1	0.01uF	GRM188R71H103KA01D	MuRata	CAP, CERM, 0.01uF, 50V, +/-10%, X7R, 0603	0603
C101, C102	2	1uF	GRM21BR71E105KA99L	MuRata	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0805	0805
C103	1	4.7uF	GRM21BR61E475KA12L	MuRata	CAP, CERM, 4.7uF, 25V, +/-10%, X5R, 0805	0805
C104	1	10uF	GRM21BR61E106MA73	MuRata	CAP, CERM, 10uF, 25V, +/-20%, X5R, 0805	0805
D2	1	200V	DFLS1200-7	Diodes Inc.	Diode, Schottky, 200V, 1A, PowerDI123	PowerDI123
D101, D102	2	43V	BZX84C43LT1G	ON Semiconductor	Diode, Zener, 43V, 225mW, SOT-23	SOT-23
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
H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
L1	1	220uH	MSS1038-224KLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 220uH, 0.97A, 0.76 ohm, SMD	MSS1038
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
Q1	1	200V	IRF5801TRPBF	International Rectifier	MOSFET, N-CH, 200V, 0.6A, TSOP-6	TSOP-6
Q101	1	0.2V	MMBT3904-7-F	Diodes Inc.	Transistor, NPN, 40V, 0.2A, SOT-23	SOT-23
R1, R18, R101	3	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10k ohm, 5%, 0.1W, 0603	0603
R2	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603	0603
R3	1	300	CRCW0603300RJNEA	Vishay-Dale	RES, 300 ohm, 5%, 0.1W, 0603	0603
R4	1	1.00	CRCW08051R00FKEA	Vishay-Dale	RES, 1.00 ohm, 1%, 0.125W, 0805	0805
R5, R6	2	19.1	CRCW120619R1FKEA	Vishay-Dale	RES, 19.1 ohm, 1%, 0.25W, 1206	1206
R9	1	2.49k	CRCW06032K49FKEA	Vishay-Dale	RES, 2.49k ohm, 1%, 0.1W, 0603	0603
R11, R14	2	51	CRCW060351R0JNEA	Vishay-Dale	RES, 51 ohm, 5%, 0.1W, 0603	0603
R12	1	31.6k	CRCW060331K6FKEA	Vishay-Dale	RES, 31.6k ohm, 1%, 0.1W, 0603	0603
R15	1	51k	CRCW060351K0JNEA	Vishay-Dale	RES, 51k ohm, 5%, 0.1W, 0603	0603
R102	1	330	CRCW0603330RJNEA	Vishay-Dale	RES, 330 ohm, 5%, 0.1W, 0603	0603
R103, R105	2	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0k ohm, 1%, 0.1W, 0603	0603
R104	1	5.1k	CRCW06035K10JNEA	Vishay-Dale	RES, 5.1k ohm, 5%, 0.1W, 0603	0603
TP1, TP2, TP9, TP10, TP11, TP12, TP13, TP14, TP101, TP102, TP103, TP104, TP105	13	Triple	1598-2	Keystone	Terminal, Turret, TH, Triple	Keystone1598-2
TP3, TP5, TP7	3	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP4, TP6, TP8	3	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		LM5020MM-2/NOPB	Texas Instruments	100V Current Mode PWM Controller, 10-pin MSOP, Pb-Free	MUB10A
U101	1		LMV431AIMFX/NOPB	Texas Instruments	Low-Voltage (1.24V) Adjustable Precision Shunt Regulators, 3-pin SOT-23, Pb-Free	MF03A
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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