

PMP10601 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB1	1		Printed Circuit Board	Any	Printed Circuit Board	
C1	1	100pF	GRM1885C2A101JA01D	MuRata	CAP, CERM, 100pF, 100V, +/-5%, C0G/NP0, 0603	0603
C2, C29, C31, C33	4	0.1uF	GRM155R61E104KA87D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X5R, 0402	0402
C3	1	0.1uF	GRM188R61E104KA01D	MuRata	CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603	0603
C4	1	10uF	GRM21BR61E106MA73	MuRata	CAP, CERM, 10uF, 25V, +/-20%, X5R, 0805	0805
C5	1	22uF	GRM21BR60J226ME39L	MuRata	CAP, CERM, 22uF, 6.3V, +/-20%, X5R, 0805	0805
C6, C8	2	0.1uF	GRM155R71C104KA88D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402
C7	1	330uF	EEF-GX0D331R	Panasonic	CAP, TA, 330 uF, 2 V, +/- 20%, 0.003 ohm, SMD	SMD_7.3x1.9x4.3mm
C9	1	22uF	GRM31CR71A226KE15L	MuRata	CAP, CERM, 22 uF, 10 V, +/- 10%, X7R, 1206	1206
C10, C18	2	68uF	16TQC68MYF	Panasonic	CAP, TA, 68uF, 16V, +/-20%, 0.05 ohm, SMD	7.3x2.0x4.3mm
C11, C19	2	47uF	GRM32ER61C476ME15L	MuRata	CAP, CERM, 47uF, 16V, +/-20%, X5R, 1210	1210
C12, C20	2	3300pF	GRM155R71H332KA01D	MuRata	CAP, CERM, 3300pF, 50V, +/-10%, X7R, 0402	0402
C13, C21	2	220uF	EEFSX0G221ER	Panasonic	CAP, AL, 220uF, 4V, +/-20%, 9 ohm, SMD	7.3x1.8x4.3mm
C14, C15, C16, C17, C22, C23, C24, C25, C26, C27, C28	11	47uF	GRM32ER60J476ME20L	MuRata	CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 1210	1210
C30, C32	2	10uF	GRM188R60J106ME47D	MuRata	CAP, CERM, 10 uF, 6.3 V, +/- 20%, X5R, 0603	0603
C34	1	4.7uF	GRM188R60J475KE19D	MuRata	CAP, CERM, 4.7 uF, 6.3 V, +/- 10%, X5R, 0603	0603
C35	1	1uF	GRM155R61A105KE15D	MuRata	CAP, CERM, 1 uF, 10 V, +/- 10%, X5R, 0402	0402
C36	1	2.2uF	GRM155R60J225ME15D	MuRata	CAP, CERM, 2.2 uF, 6.3 V, +/- 20%, X5R, 0402	0402
D1	1	5.1V	BZT52C5V1T-7	Diodes Inc.	Diode, Zener, 5.1V, 300mW, SOD-523	SOD-523
FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
H1, H2, H3, H4	4		SJ-5303 (CLEAR)	3M	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon
J1	1		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
J2, J3	2		ED120/2DS	On-Shore Technology	TERMINAL BLOCK 5.08MM VERT 2POS, TH	TERM_BLK, 2pos, 5.08mm
L1	1	10uH	XAL4040-103MEB	Coilcraft	Inductor, Shielded, Composite, 10uH, 3A, 0.084 ohm, SMD	4.0x4.1x4.0mm
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
R1	1	68.1k	CRCW060368K1FKEA	Vishay-Dale	RES, 68.1k ohm, 1%, 0.1W, 0603	0603
R2, R3, R5, R8	4	100k	CRCW0603100KJNEA	Vishay-Dale	RES, 100k ohm, 5%, 0.1W, 0603	0603
R4	1	12.1k	CRCW060312K1FKEA	Vishay-Dale	RES, 12.1k ohm, 1%, 0.1W, 0603	0603
R6	1	105k	RT0603BRD07105KL	Yageo America	RES, 105k ohm, 0.1%, 0.1W, 0603	0603
R7	1	20.0k	RG1608P-203-B-T5	Susumu Co Ltd	RES, 20.0k ohm, 0.1%, 0.1W, 0603	0603
R9, R12	2	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.1W, 0603	0603
R10	1	1.13k	CRCW06031K13FKEA	Vishay-Dale	RES, 1.13 k, 1%, 0.1 W, 0603	0603
R11	1	324k	CRCW0603324KFKEA	Vishay-Dale	RES, 324 k, 1%, 0.1 W, 0603	0603
R13	1	2.15k	CRCW06032K15FKEA	Vishay-Dale	RES, 2.15k ohm, 1%, 0.1W, 0603	0603
R14	1	261k	CRCW0603261KFKEA	Vishay-Dale	RES, 261k ohm, 1%, 0.1W, 0603	0603
R15	1	21.5k	CRCW040221K5FKED	Vishay-Dale	RES, 21.5 k, 1%, 0.063 W, 0402	0402
R16	1	1.50Meg	CRCW04021M50FKED	Vishay-Dale	RES, 1.50 M, 1%, 0.063 W, 0402	0402
R17	1	178k	CRCW0402178FKED	Vishay-Dale	RES, 178 k, 1%, 0.063 W, 0402	0402
SH-J1	1	1x2	969102-0000-DA	3M	Shunt, 100mil, Gold plated, Black	Shunt
TP1	1	White	5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP2, TP4, TP8, TP10, TP11, TP14, TP15	7	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP3, TP5, TP9, TP12, TP13, TP16, TP17	7	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP6	1	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP7	1	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		LM3880QMFE-1AA/NOPB	Texas Instruments	Power Sequencer, 6-pin SOT-23, Pb-Free	MF06A
U2	1		TPS560200DBV	Texas Instruments	4.5V to 18V Input, 500mA Synchronous Step Down SWIFT Converter, DBV0005A	DBV0005A
U3	1		LP2998QMR/NOPB	Texas Instruments	DDR-I and DDR-II Termination Regulator, 8-pin PSOP, Pb-Free	MRA08A
U4	1		LMZ31503RUQ	Texas Instruments	3A SIMPLE SWITCHER Power Module with 4.5V-14.5V Input in QFN Package, RUQ0047A	RUQ0047A
U5	1		LMZ31506RUQ	Texas Instruments	6A SIMPLE SWITCHER Power Module with 2.95V-14.5V Input and Current Sharing in QFN Package, RUQ0047A	RUQ0047A
U6	1		TPS73101DBV	Texas Instruments	Cap-Free, NMOS, 150mA Low Dropout Regulator with Reverse Current Protection, DBV0005A	DBV0005A
U7	1		TPS7A3501DRV	Texas Instruments	Low Noise, High PSRR 1A Active Filter, DRV0006A	DRV0006A
U8	1		LP2980AIM5-2.5/NOPB	Texas Instruments	Micropower 50 mA Ultra Low-Dropout Regulator, 5-pin SOT-23, Pb-Free	MF05A
U9	1		LP3991TL-1.2/NOPB	Texas Instruments	300mA Linear Voltage Regulator for Digital Applications, 4-pin Micro SMD, Pb-Free	TLA04ZTA

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