

PMP10837 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPC B1	1		PMP10837	Any	Printed Circuit Board	
1, 2, 3, 4, Gnd In1, Gnd Out1, Gnd Out2, Gnd Out3, Gnd Out4, Vin1	10	Double	1502-2	Keystone	Terminal, Turret, TH, Double	Keystone1502-2
C1, C2, C13	3	10uF	C3216X5R1C106KT	TDK	CAP, CERM, 10 μ F, 16 V, +/- 10%, X5R, 1206	1206
C4, C16	2	22uF	JMK212BJ226KG-T	Taiyo Yuden	CAP, CERM, 22 μ F, 6.3 V, +/- 10%, X5R, 0805	0805
C6	1	0.01uF	08051C103JAT2A	AVX	CAP, CERM, 0.01uF, 100V, +/-5%, X7R, 0805	0805
C7	1	3300pF	C2012C0G2A332J	TDK	CAP, CERM, 3300pF, 100V, +/-5%, C0G/NP0, 0805	0805
C9	1	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210
C10	1	0.47uF	GRM21BR72A474KA73L	MuRata	CAP, CERM, 0.47uF, 100V, +/-10%, X7R, 0805	0805
C12	1	0.1uF	C0805C104J5RACTU	Kemet	CAP, CERM, 0.1uF, 50V, +/-5%, X7R, 0805	0805
C18	1	1uF	0805YD105KAT2A	AVX	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0805	0805
D1	1	100V	PDS5100-13	Diodes Inc.	DIODE SCHOTTKY 100V 5A POWERDI5	PowerDI5
D2	1	20V	CDBA120SL-G	Comchip Technology	DIODE SCHOTTKY 20V 1A DO214AC	SMA
D101	1	10V	SMAJ10A	Littelfuse	Diode, TVS, Uni, 10 V, 400 W, SMA	SMA
L1, L3	2	2.2uH	BRC2012T2R2MD	Taiyo Yuden	FIXED IND 2.2UH 1A 143 MOHM SMD	2x1.2x1mm
L2	1	100uH	SRF1280-101M	Bourns Inc	INDUCT ARRAY 2 COIL 100UH SMD	MSD1260
R2	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R3	1	127k	CRCW0805127KFKEA	Vishay-Dale	RES, 127k ohm, 1%, 0.125W, 0805	0805
R4	1	130k	CRCW0805130KFKEA	Vishay-Dale	RES, 130k ohm, 1%, 0.125W, 0805	0805
R5	1	60.4k	CRCW120660K4FKEA	Vishay-Dale	RES, 60.4 k, 1%, 0.25 W, 1206	1206
R6	1	6.49k	CRCW06036K49FKEA	Vishay-Dale	RES, 6.49 k, 1%, 0.1 W, 0603	0603
R7	1	100k	CRCW0603100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.1 W, 0603	0603
R8	1	5.62k	CRCW06035K62FKEA	Vishay-Dale	RES, 5.62 k, 1%, 0.1 W, 0603	0603
R9	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
TP2, TP5, TP6, TP7, TP8	5	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
TP3, TP4, TP9, TP10, TP11	5	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
U1	1		TPS62173DSGT	Texas Instruments	Buck Step Down Regulator with 3 to 17 V Input and 5 V Output, -40 to 85 degC, 8-Pin WSON (DSG), Green (RoHS & no Sb/Br)	DSG0008A
U2	1		LM5017SDX/NOPB	Texas Instruments	100V, 600mA Constant On-Time Synchronous Buck Regulator, NGU0008B	NGU0008B
U3	1		TPS62172DSGT	Texas Instruments	Buck Step Down Regulator with 3 to 17 V Input and 3.3 V Output, -40 to 85 degC, 8-Pin WSON (DSG), Green (RoHS & no Sb/Br)	DSG0008A
C3, C14, C15	0	10uF	C3216X5R1C106KT	TDK	CAP, CERM, 10 μ F, 16 V, +/- 10%, X5R, 1206	1206
C5, C17	0	22uF	JMK212BJ226KG-T	Taiyo Yuden	CAP, CERM, 22 μ F, 6.3 V, +/- 10%, X5R, 0805	0805
C8	0	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210
C11	0	47uF	EMZA800ADA470MJA0G	Chemi-Con	CAP, AL, 47 μ F, 80 V, +/- 20%, 0.7 ohm, SMD	JA0
R1	0	100k	CRCW0603100KJNEA	Vishay-Dale	RES, 100 k, 5%, 0.1 W, 0603	0603
TP1	0	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000

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