

PMP31177 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP31177 Rev_A PCB	Any	Printed Circuit Board	
C1, R1	2	DNP	DNP	N/A	DNP	603
C2, C4, C5	3	4.7uF	885012208094	Würth Electronics	4.7µF ±10% 50V Ceramic Capacitor X7R 1206 (3216 Metric)	1206
C3, C6, C12	3	0.1uF	885012206120	Wuerth	CAP, CERM, 0.1 µF, 100 V,+/- 10%, X7R, 0603	603
C7	1	1000pF	GR442QR73D102KW01L	MuRata	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1808	1808
C8, C10	2	1uF	885012206076	Würth Elektronik	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	603
C9	1	22uF	885012107011	Würth Elektronik	CAP, CERM, 22 µF, 10 V,+/- 20%, X5R, 0805	805
C11	1	0.047uF	885012206069	Würth Electronics	0.047µF ±10% 25V Ceramic Capacitor X7R 0603 (1608 Metric)	603
D1	1	DSS115U	DSS115U	SMC Diode Solutions	Diode, Schottky, 150 V, 1 A, SOD-123FL	SOD-123FL
D2	1	24V	MMSZ5252BS-7-F	Diodes Inc.	Diode, Zener, 24 V, 200 mW, SOD-323	SOD-323
D3	1	75V	1N4148WS-7-F	Diodes Inc.	Diode, Switching, 75 V, 0.15 A, AEC-Q101, SOD-323	SOD-323
D4	1	DSS16U	DSS16U	SMC Diode Solutions	Diode, Schottky, 60 V, 1 A, SOD-123FL	SOD-123FL
D5	1	5.1V	BZT52C5V1S-7-F	Diodes Inc.	Diode, Zener, 5.1 V, 200 mW, SOD-323	SOD-323
L1, L2	2	600 ohm @ 100 MHz	74279220601	Würth Elektronik	Ferrite Bead, 600 ohm @ 100 MHz, 2.1 A, 0805	805
R2	1	56.2k	RC0603FR-0756K2L	Yageo	RES, 56.2 k, 1%, 0.1 W, 0603	603
R3	1	10	RC0603FR-0710RL	Yageo	RES, 10.0, 1%, 0.1 W, 0603	603
R4	1	86.6k	RT0603DRE0786K6L	Yageo America	RES, 86.6 k, 0.5%, 0.1 W, 0603	603
R5	1	143k	RC0603FR-07143KL	Yageo	RES, 143 k, 1%, 0.1 W, 0603	603
R6	1	8.45k	RC0603FR-078K45L	Yageo	RES, 8.45 k, 1%, 0.1 W, 0603	603
R7	1	12.1k	RC0603FR-0712K1L	Yageo	RES, 12.1 k, 1%, 0.1 W, 0603	603
T1	1		750320139r00	Würth	TRANSFORMER	SMT_TRANSFORMER_14MM00_10MM00
TP1, TP2	2		5000	Keystone Electronics	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3, TP4	2		5001	Keystone Electronics	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP5, TP6	2		5003	Keystone Electronics	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
U1	1	LM5181NGUR	LM5181NGUR	Texas Instruments	65-VIN PSR Flyback DC/DC Converter with 100-V, 0.75-A Integrated MOSFET	WSO8
U2	1	TPS7A2033PDBVR	TPS7A2033PDBVR	Texas Instruments	300-mA, Ultra-Low-Noise, Low-IQ, High PSRR LDO	SOT23-5

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