

PMP22760 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C8	2	47pF	C0603C470J1GACAUTO	Kemet	CAP, CERM, 47 pF, 100 V,+/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
C2	1	22uF	EEE-FK1H220P	Panasonic	CAP, AL, 22 uF, 50 V, +/- 20%, 0.88 ohm, AEC-Q200 Grade 2, SMD	SMT Radial D
C3, C7, C10, C14	4	0.1uF	CGA3E2X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C4, C5, C6, C9	4	4.7uF	GCM31CR71E475KA55L	MuRata	CAP, CERM, 4.7 uF, 25 V,+/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C11	1	0.047uF	CGA3E2X7R1H473K080AA	TDK	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C12, C13	2	2200pF	1206J2K00222KXR	Knowles Capacitors	CAP, CERM, 2200 pF, 2000 V,+/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
D1, D4, D5	3	60V	PMEG6010CEGWJ	Nexperia	Diode, Schottky, 60 V, 1 A, AEC-Q101, SOD-123	SOD-123
D2	1	24V	MMSZ5252BT1G	ON Semiconductor	Diode, Zener, 24 V, 500 mW, AEC-Q101, SOD-123	SOD-123
D3, D6	2	16V	MMSZ4703-HE3-08	Vishay-Semiconductor	Diode, Zener, 16 V, 500 mW, AEC-Q101, SOD-123	SOD-123
FB1	1		MPZ2012S101ATD25	TDK	100 Ohms @ 100MHz 1 Power Line Ferrite Bead 0805 (2012 Metric) 4A 20mOhm	0805
J1, J2, J3	3		0393570002	Molex	Terminal Block, 3.5 mm, 2x1, Tin, TH	Terminal Block, 3.5 mm, 2x1, TH
L1	1	10uH	744042100	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 10 uH, 1 A, 0.12 ohm, SMD	WE-TPC-M1
R1, R5	2	100	CRCW0805100RJNEA	Vishay-Dale	RES, 100, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R2, R7	2	49.9	CRCW080549R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
R4	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R6	1	332k	CRCW0603332KFKEA	Vishay-Dale	RES, 332 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R8	1	383k	CRCW0603383KFKEA	Vishay-Dale	RES, 383 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R9	1	154k	CRCW0603154KFKEA	Vishay-Dale	RES, 154 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R11	1	59.0k	CRCW060359K0FKEA	Vishay-Dale	RES, 59.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R12	1	12.1k	CRCW060312K1FKEA	Vishay-Dale	RES, 12.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
T1	1		ZB1354-AL	Coilcraft	FLYBACK TRANSFORMER SMD 8 Pin 10-16Vin 200-350kHz, Output 15.7/.185A x 2 Turns Ratio 1:1:1	SMT8_9MM3_10MM2
T1	0	Alternate	901-20138-V1	Würth Elektronik	FLYBACK TRANSFORMER SMD 8 Pin 10-16Vin 200-350kHz, Output 15.7/.185A x 2 Turns Ratio 1:1:1	SMT8_9MM5_9MM78
TP1, TP2, TP6	3		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3, TP5, TP8, TP9	4		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP4	1		5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
TP7	1		5117	Keystone	Test Point, Miniature, Blue, TH	Blue Miniature Testpoint
U1	1		LM5180QNGURQ1	Texas Instruments	70-V PSR Flyback Converter With 100-V, 1.2-A Power Switch and Ultra-Low IQ, NGU0008C (WSON-8)	NGU0008C
R3, R10	0	4.99k	CRCW08054K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805

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