

PMP41144 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C2, C3, C8, C9, C13, C14, C20, C21	8	10uF	CGA5L1X7R1H106K160AC	TDK	CAP, CERM, 10 μ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C6	1	22uF	EEH-ZC1H220P	Panasonic	CAP, Polymer Hybrid, 22 uF, 50 V, +/- 20%, 0.08 ohm, AEC-Q200 Grade 1, D6.3xL5.8mm SMD	D6.3xL5.8mm
C7, C26	2	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C12	1	22pF	GRM1885C2A220JA01D	MuRata	CAP, CERM, 22 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
C19	1	0.047uF	GCM188R71E473KA37D	MuRata	CAP, CERM, 0.047 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
D1, D4, D7	3	100V	STPS2H100ZFY	STMicroelectronics	Diode, Schottky, 100 V, 2 A, AEC-Q101, SOD-123F	SOD-123F
D3	1	20V	3SMAJ5932B-TP	Micro Commercial Component	Diode, Zener, 20 V, 3 W, SMA	SMA
D5	1	60V	PMEG60T30ELRX	Nexperia	Diode, Schottky, 60 V, 3 A, AEC-Q101, SOD-123W	SOD-123W
FB1	1			Würth Elektronik	WE-CBA SMT EMI Suppression Ferrite Bead, size 0805, 600Ohm, 2A	
J2, J3, J4	3		HTSW-102-09-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	Header, 2x1, 2.54mm, TH
L1	1	4.7uH	XFL4030-472MEB	Coilcraft	Inductor, Shielded, Composite, 4.7 uH, 2.1 A, 0.03 ohm, SMD	4x4x3mm
R2, R5, R12	3	10.0k	CRCW120610K0FKEAHP	Vishay-Dale	RES, 10.0 k, 1%, 0.5 W, 1206	1206
R3	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R6	1	63.4k	CRCW060363K4FKEA	Vishay-Dale	RES, 63.4 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R8	1	127k	CRCW0603127KFKEA	Vishay-Dale	RES, 127 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R10	1	23.7k	CRCW060323K7FKEA	Vishay-Dale	RES, 23.7 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R11	1	12.1k	CRCW060312K1FKEA	Vishay-Dale	RES, 12.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
T1	1		750345026	Würth		
U1	1		LM25184QNGURQ1	Texas Instruments	42-VIN PSR Flyback DC/DC Converter with 65-V, 4-A Integrated MOSFET, NGU0008C (WS0N-8)	NGU0008C
Core	1		PC95PQ120/9Z-12	TDK	FERRITE CORE HPQ 7.07UH 1SET	
C1, C11, C18	0	22pF	GRM21A5C2E220JW01D	MuRata	CAP, CERM, 22 pF, 250 V, +/- 5%, C0G/NP0, 0805	0805
C4, C5, C15, C16, C22, C23	0	4.7uF	CGA5L3X7R1H475K160AE	TDK	CAP, CERM, 4.7 μ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C10, C17, C24	0	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C25	0	1000pF	202R18W102KV4E	Johanson Technology	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1206_190	1206_190
D2, D6, D8	0	25V	MMSZ4710-HE3-08	Vishay-Semiconductor	Diode, Zener, 25 V, 500 mW, AEC-Q101, SOD-123	SOD-123
R1, R4, R9	0	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7	0	261k	CRCW0603261KFKEA	Vishay-Dale	RES, 261 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603

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