

PMP40747 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		PMP40747	Any	Printed Circuit Board	
C1	1	220uF	EEE-FK1E221P	Panasonic	CAP, AL, 220 μ F, 25 V, +/- 20%, 0.16 ohm, SMD	SMT Radial F
C2, C3	2	0.1uF	CGA3E2X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C4, C5	2	10uF	UMJ325KB7106KMHT	Taiyo Yuden	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
C7	1	0.047uF	CGA3E2X7R1H473K080AA	TDK	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43	24	22uF	TMK325B7226MM-PR	Taiyo Yuden	CAP, CERM, 22 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
C44, C45, C46, C47, C48, C49	6	1000pF	C1812C102KHRACAUTO	Kemet	CAP, CERM, 1000 pF, 3000 V, +/- 10%, X7R, 1812	1812
D1	1	30V	3SMAJ5936B-TP	Micro Commercial Component	Diode, Zener, 30 V, 3 W, SMA	SMA
D2	1	60V	PMEG60T30ELRX	Nexperia	Diode, Schottky, 60 V, 3 A, AEC-Q101, SOD-123W	SOD-123W
D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14	12	60V	PMEG6010CEH,115	Nexperia	Diode, Schottky, 60 V, 1 A, SOD-123F	SOD-123F
J1	1		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
J2, J3, J4, J5, J6, J7	6		691214000000	Würth Elektronik	Terminal Block, 3.5mm, 3x1, Tin, TH	Terminal Block, 3.5mm, 3x1, Tin, TH
L1	1	3.3uH	XAL4030-332MEB	Coilcraft	Inductor, Shielded, Composite, 3.3 uH, 5.5 A, 0.026 ohm, SMD	4.0x3.1x4.0mm
R1	1	140k	CRCW0603140KFKEA	Vishay-Dale	RES, 140 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R2	1	28.0k	CRCW060328K0FKEA	Vishay-Dale	RES, 28.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R3	1	348k	CRCW0603348KFKEA	Vishay-Dale	RES, 348 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R4	1	12.1k	CRCW060312K1FKEA	Vishay-Dale	RES, 12.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R6	1	232k	CRCW0603232KFKEA	Vishay-Dale	RES, 232 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
T1, T2, T3	3	45uH	750344812	Würth	Transformer, 45uH, SMT	SMD, 12-Leads, Body 17x17.5mm, Pitch 2.5mm
TP1	1		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2	1		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
U1	1		LM25184QNGURQ1	Texas Instruments	42-VIN PSR Flyback DC/DC Converter with 65-V, 4-A Integrated MOSFET, NGU0008C (WSON-8)	NGU0008C
C6	0	22pF	AC0603JRNPOYBN220	Yageo America	CAP, CERM, 22 pF, 250 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603

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C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19	0	1000pF	CGA3E2X7R2A102K080AA	TDK	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
D15, D17, D19, D21, D23, D25	0	16V	DDZ16BQ-7	Diodes Inc.	Diode, Zener, 16 V, 500 mW, AEC-Q101, SOD-123	SOD-123
D16, D18, D20, D22, D24, D26	0	8.2V	DDZ8V2BQ-7	Diodes Inc.	Diode, Zener, 8.2 V, 500 mW, AEC-Q101, SOD-123	SOD-123
R5	0	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18	0	10.0	CRCW060310R0FKEAHP	Vishay-Dale	RES, 10.0, 1%, 0.25 W, AEC-Q200 Grade 0, 0603	0603

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