

PMP40487 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C8, C9	4	470uF	6SEPC470MW	Panasonic	CAP, Aluminum Polymer, 470 µF, 6.3 V,+/- 20%, 0.007 ohm, TH	6.3x9mm
C3, C11	2	0.1uF	GRM188R61E104KA01D	MuRata	CAP, CERM, 0.1 µF, 25 V,+/- 10%, X5R, 0603	0603
C4	1	680pF	GRM31B5C2J681JW01L	MuRata	CAP, CERM, 680 pF, 630 V,+/- 5%, C0G/NP0, 1206	1206
C6, C7	2	10uF	EEU-ED2G100	Panasonic	CAP, AL, 10 µF, 400 V, +/- 20%, TH	D10xL20mm
C12, C13	2	4.7uF	C3216X7R1H475K160AC	TDK	CAP, CERM, 4.7 µF, 50 V,+/- 10%, X7R, 1206	1206
C14	1	2200pF	GRM188R71H222KA01D	MuRata	CAP, CERM, 2200 pF, 50 V,+/- 10%, X7R, 0603	0603
C15	1	0.27uF	C0603C274K4RACTU	Kemet	CAP, CERM, 0.27 µF, 16 V,+/- 10%, X7R, 0603	0603
C16	1	2200pF	DE1E3KX222MN5AA01	MuRata	CAP, CERM, 2200 pF, X1 250 VAC/Y1 300 VAC, +/- 20%, E, 10.0x8.0x14.0mm	10.0x8.0x14.0mm
C17	1	0.027uF	GRM188R71C273KA01D	MuRata	CAP, CERM, 0.027 µF, 16 V,+/- 10%, X7R, 0603	0603
D1, D3	2	45V	PDS1045-13	Diodes Inc.	Diode, Schottky, 45 V, 10 A, PowerDI5	PowerDI5
D2	1	600V	MDB6S	Fairchild Semiconductor	Diode, Switching-Bridge, 600 V, 1 A, MICRODIP_4	MICRODIP_4
D4	1	600V	ES1J-LTP	Micro Commercial Component	Diode, Superfast Rectifier, 600 V, 1 A, SMA	SMA
D5	1	200V	MURS120-13-F	Diodes Inc.	Diode, Superfast Rectifier, 200 V, 1 A, SMB	SMB
F1	1		39213150000	Littelfuse	Fuse, 3.15 A, 250VAC/VDC, TH	8x8.5x4mm
J1, J2, J3	3		282841-2	TE Connectivity	Terminal Block, 2x1, 5.08mm, TH	10.16x15.2x9mm
L3	1	470uH	7447462471	Würth Elektronik	Inductor, Unshielded Drum Core, Ferrite, 470 µH, 0.35 A, 1.58 ohm, TH	D6 x 8.5mm
L4	1	806uH	RLTI-1081	Renco Electronics	Coupled inductor,806uH	
Q1	1	650V	AOD7N65	AOS	MOSFET, N-CH, 650 V, 7 A, DPAK	DPAK
R1	1	560k	CRCW0603560KJNEA	Vishay-Dale	RES, 560 k, 5%, 0.1 W, 0603	0603
R3, R4	2	560k	CRCW1206560KJNEA	Vishay-Dale	RES, 560 k, 5%, 0.25 W, 1206	1206
R6	1	22	CRCW080522R0JNEA	Vishay-Dale	RES, 22, 5%, 0.125 W, 0805	0805
R7, R8	2	4.7Meg	CRCW12064M70JNEA	Vishay-Dale	RES, 4.7 M, 5%, 0.25 W, 1206	1206
R9	1	100k	CRCW0805100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.125 W, 0805	0805
R10	1	3.3	CRCW06033R30JNEA	Vishay-Dale	RES, 3.3, 5%, 0.1 W, 0603	0603
R11	1	750	CRCW0603750RFKEA	Vishay-Dale	RES, 750, 1%, 0.1 W, 0603	0603
R12, R22	2	44.2k	CRCW060344K2FKEA	Vishay-Dale	RES, 44.2 k, 1%, 0.1 W, 0603	0603
R13	1	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, 0603	0603
R14	1	33k	CRCW060333K0JNEA	Vishay-Dale	RES, 33 k, 5%, 0.1 W, 0603	0603
R15	1	1.30k	CRCW06031K30FKEA	Vishay-Dale	RES, 1.30 k, 1%, 0.1 W, 0603	0603
R16	1	3.0k	CRCW06033K00JNEA	Vishay-Dale	RES, 3.0 k, 5%, 0.1 W, 0603	0603
R17	1	27.4k	CRCW060327K4FKEA	Vishay-Dale	RES, 27.4 k, 1%, 0.1 W, 0603	0603
R18	1	3.9k	CRCW06033K90JNEA	Vishay-Dale	RES, 3.9 k, 5%, 0.1 W, 0603	0603
R19	1	249	CRCW0603249RFKEA	Vishay-Dale	RES, 249, 1%, 0.1 W, 0603	0603
R20, R21	2	2.00	CRCW08052R00FKEA	Vishay-Dale	RES, 2.00, 1%, 0.125 W, 0805	0805
T1	1		RM6-T-750UH-W4	3L Coils	RM6 Core	
U1	1		UCC28742DBVR	Texas Instruments	High-Efficiency Low-Cost Flyback Controller with Secondary-Side Regulation, DBV0006A (SOT-23-6)	DBV0006A
U2	1		FOD817ASD	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, SMT	DIP-4L Gullwing
U3	1		ATL431AIDBZR	Texas Instruments	2.5V Low Iq Adjustable Precision Shunt Regulator, DBZ0003A (SOT-23-3)	DBZ0003A

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