

PMP40144 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	470pF	08051A471JAT2A	AVX	CAP, CERM, 470 pF, 100 V,+/- 5%, C0G/NP0, 0805	0805
C2	1	4700pF	08051C472KAT2A	AVX	CAP, CERM, 4700 pF, 100 V, +/- 10%, X7R, 0805	0805
C3	1	22uF	EMVH101ADA220MJA0G	Chemi-Con	CAP, AL, 22 µF, 100 V, +/- 20%, 0.55 ohm, SMD	JA0
C4, C5	2	2.2uF	CL31B225KCHSNE	Samsung Electro-Mechanics	CAP, CERM, 2.2 µF, 100 V,+/- 10%, X7R, 1206	1206
C6, C7	2	470uF	EEU-FR1V471B	Panasonic	CAP, AL, 470 µF, 35 V, +/- 20%, TH	10x16mm
C8	1	0.1uF	C0603C104J5RACTU	Kemet	CAP, CERM, 0.1 µF, 50 V,+/- 5%, X7R, 0603	0603
C9	1	2.2uF	C3216X7R1H225K160AB	TDK	CAP, CERM, 2.2 µF, 50 V,+/- 10%, X7R, 1206	1206
C10	1	2200pF	VJ1210A222JXGAT5Z	Vishay-Vitramon	CAP, CERM, 2200 pF, 1000 V,+/- 5%, C0G/NP0, 1210	1210
D1	1	40V	PDS1040L-13	Diodes Inc.	Diode, Schottky, 40 V, 10 A, PowerDI5	PowerDI5
D2	1	200V	MURS120-13-F	Diodes Inc.	Diode, Superfast Rectifier, 200 V, 1 A, SMB	SMB
D3	1	200V	BAS20HT1G	ON Semiconductor	Diode, Switching, 200 V, 0.2 A, AEC-Q101, SOD-323	SOD-323
J1, J2	2		61300211121	Würth Elektronik	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
L1	1	3.3uH	744042003	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 3.3 µH, 1.8 A, 0.055 ohm, SMD	WE-TPC-M1
Q1	1	150V	BSC190N15NS3 G	Infineon Technologies	MOSFET, N-CH, 150 V, 50 A, PG-TDSON-8	PG-TDSON-8
R1	1	10	CRCW120610R0JNEA	Vishay-Dale	RES, 10, 5%, 0.25 W, 1206	1206
R2, R3	2	47k	CRCW120647K0JNEA	Vishay-Dale	RES, 47 k, 5%, 0.25 W, 1206	1206
R4	1	1.2k	ERJ-3GEYJ122V	Panasonic	RES, 1.2 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R5	1	4.7	CRCW06034R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.1 W, 0603	0603
R6	1	510k	CRCW0603510KJNEA	Vishay-Dale	RES, 510 k, 5%, 0.1 W, 0603	0603
R7	1	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R8	1	68k	CRCW060368K0JNEA	Vishay-Dale	RES, 68 k, 5%, 0.1 W, 0603	0603
R9	1	510	CRCW0603510RJNEA	Vishay-Dale	RES, 510, 5%, 0.1 W, 0603	0603
R10, R11	2	0.4	RL1206FR-070R4L	Yageo America	RES, 0.4, 1%, 0.25 W, 1206	1206
R12	1	27k	CRCW060327K0JNEA	Vishay-Dale	RES, 27 k, 5%, 0.1 W, 0603	0603
R13	1	120k	CRCW0603120KJNEA	Vishay-Dale	RES, 120 k, 5%, 0.1 W, 0603	0603
R14	1	100k ohm	NCP18WF104F12RB	MuRata	Thermistor NTC, 100k ohm, 1%, 0603	0603
T1	1		750343666	Würth Elektronik	Transformer, TH	EFD25
U1	1		UCC28704DBVR-1	Texas Instruments	Off-Line Constant-Voltage Constant-Current Flyback Controller With Primary-Side Regulation (PSR), DBV0006A (SOT-23-6)	DBV0006A

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