

PMP40100 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	3.3uF	C3216X7S2A335M160AB	TDK	CAP, CERM, 3.3 μ F, 100 V, +/- 20%, X7S, 1206_190	1206_190
C2	1	1000pF	GRM188R72A102KA01D	MuRata	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	0603
C3	1	10uF	885012208069	Würth Elektronik	CAP, CERM, 10 μ F, 25 V, +/- 10%, X7R, 1206	1206
C4, C5	2	22uF	C2012X5R1C226K125AC	TDK	CAP, CERM, 22 μ F, 16 V, +/- 10%, X5R, 0805	0805
C6	1	0.047uF	06033C473JAT2A	AVX	CAP, CERM, 0.047 μ F, 25 V, +/- 5%, X7R, 0603	0603
C7	1	4.7uF	CGB3B1X5R1A475K055AC	TDK	CAP, CERM, 4.7 μ F, 10 V, +/- 10%, X5R, 0603	0603
C8	1	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C9	1	10uF	TMK107BBJ106MA-T	Taiyo Yuden	CAP, CERM, 10 μ F, 25 V, +/- 20%, X5R, 0603	0603
D1, D3, D4, D5	4	100V	DFLS1100-7	Diodes Inc.	Diode, Schottky, 100 V, 1 A, PowerDI123	PowerDI123
D2	1	200V	MURS120-13-F	Diodes Inc.	Diode, Superfast Rectifier, 200 V, 1 A, SMB	SMB
Q1	1	100V	CSD19532Q5B	Texas Instruments	MOSFET, N-CH, 100 V, 17 A, SON 5x6mm	SON 5x6mm
R1, R6	2	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	0603
R2, R5	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R3	1	300k	CRCW0603300KFKEA	Vishay-Dale	RES, 300 k, 1%, 0.1 W, 0603	0603
R4	1	5.1k	CRCW06035K10JNEA	Vishay-Dale	RES, 5.1 k, 5%, 0.1 W, 0603	0603
R7	1	82k	CRCW060382K0JNEA	Vishay-Dale	RES, 82 k, 5%, 0.1 W, 0603	0603
R8	1	0.01	WSL0805R0100FEA18	Vishay-Dale	RES, 0.01, 1%, 0.25 W, 0805	0805
R9	1	1.0k	CRCW06031K00JNEA	Vishay-Dale	RES, 1.0 k, 5%, 0.1 W, 0603	0603
R10	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
U1	1		Used in BOM report	Used in BOM report		eg: 0603, used in PnP report
U2	1		LM3481QMMX/NOPB	Texas Instruments	High Efficiency Low-Side N-Channel Controller for Switching Regulators, DGS0010A	DGS0010A

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