

## PMP40488 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	10uF	GRM21BR61E106KA73L	MuRata	CAP, CERM, 10 uF, 25 V, +/- 10%, X5R, 0805	0805
C2	1	1uF	GRM155R61E105KA12D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X5R, 0402	0402
C3, C8	2	0.1uF	GRM21BR72A104KAC4L	MuRata	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, 0805	0805
C4, C5, C9, C10	4	1uF	C2012X7S2A105K125AB	TDK	CAP, CERM, 1 uF, 100 V, +/- 10%, X7S, 0805	0805
C7	1	10pF	GRM1555C1H100FA01D	MuRata	CAP, CERM, 10 pF, 50 V, +/- 1%, C0G/NP0, 0402	0402
C11	1	0.22uF	C1005X7R1C224K050BC	TDK	CAP, CERM, 0.22 uF, 16 V, +/- 10%, X7R, 0402	0402
C12	1	1000pF	C0402C102J3RACTU	Kemet	CAP, CERM, 1000 pF, 25 V, +/- 5%, X7R, 0402	0402
C13	1	0.1uF	GRM155R71E104KE14D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0402	0402
D1, D2	2	200V	MBR2H200SFT1G	ON Semiconductor	Diode, Schottky, 200 V, 2 A, SOD-123FL	SOD-123FL
L1	1		74404064101	Würth Electronics	Inductor, Shielded, Ferrite, 100µH, 0.8A, 0.433 ohm, SMD	
L2, L5	2	2.2uH	74479763222	Würth Elektronik	Inductor, Shielded Drum Core, Metal Composite, 2.2 uH, 0.28 A, 0.3 ohm, SMD	1.6x0.8x1mm
L3, L4	2	1mH	744043102	Würth Elektronik	Inductor, Shielded Drum Core, Metal Composite, 1mH, 0.08 A, 5.4 ohm, SMD	WE-TPC-M2
Q1	1	100V	PMV213SN,215	Nexperia	MOSFET, N-CH, 100 V, 1.9 A, SOT-23	SOT-23
R1	1	665k	CRCW0402665KFKED	Vishay-Dale	RES, 665 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R2	1	0	RC0603JR-070RL	Yageo	RES, 0, 5%, 0.1 W, 0603	0603
R4, R10	2	100k	CRCW0603100KJNEAC	Vishay-Dale	RES, 100 k, 5%, 0.1 W, 0603	0603
R5	1	150k	CRCW0402150KFKED	Vishay-Dale	RES, 150 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R6	1	750	CRCW0402750RFKED	Vishay-Dale	RES, 750, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R7	1	68mR	ERJ-6BWFR068V	Panasonic	RES, 0.068, 1%, 0.5 W, 0805	
R8	1	294k	RC0603FR-07294KL	Yageo	RES, 294 k, 1%, 0.1 W, 0603	0603
R9	1	43.2k	CRCW040243K2FKED	Vishay-Dale	RES, 43.2 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R12	1	1.00k	RC0402FR-071KL	Yageo America	RES, 1.00 k, 1%, 0.0625 W, 0402	0402
R13	1	4.99k	RC0402FR-074K99L	Yageo America	RES, 4.99 k, 1%, 0.063 W, 0402	0402
U1	1		LM5155DSSR	Texas Instruments	2.2-MHz Wide Input Non-synchronous Boost Controller, DSS0012C (WSON-12)	DSS0012C
C6	0	100pF	GRM1885C2A101JA01D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
C14	0	0.1uF	GCM155R71C104KA55D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402
R3	0	100	CRCW0603100RJNEA	Vishay-Dale	RES, 100, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R11	0	0	MCR01MZPJ000	Rohm	RES, 0, 5%, 0.063 W, 0402	0402

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