

PMP41086 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C8, C9	4	10uF	UMK325AB7106KMHT	Taiyo Yuden	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
C3, C4	2	4.7uF	CGA6P3X7R1H475K250AB	TDK	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
C5	1	1uF	GCM188R71E105KA64D	MuRata	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C10	1	100pF	CGA3E2NP01H101J080AA	TDK	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 0, 0603	0603
C11	1	0.1uF	CGA3E2X7R1E104K080AA	TDK	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C12	1	220pF	06035A221JAT2A	AVX	CAP, CERM, 220 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C13	1	0.047uF	GCM188R71E473KA37D	MuRata	CAP, CERM, 0.047 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
D1	1		RBQ10RSM65BTFTL1	Rohm	DIODE SCHOTTKY 65V 10A TO277A	
J1	1		691313510002	Würth Electronics	TERM BLK HDR 5.08MM HORZ PCB 2P	TRM_BLK_HDR2
J2	1		691322110002	Würth Elektronik	WR-TBL Serie 3221 Horizontal PCB Header, Pluggable, THT, pitch 3.5mm, 2p	
L1	1		SPM7054VC-6R8M-D	TDK	FIXED IND 6.8UH 7.5A 0.024OHM SM	STM_7MM5_7MM0
L2	1		SPM7054VC-220M-D	TDK	FIXED IND 22UH 4A 0.0652OHM SMD	STM_7MM5_7MM0
Q1	1		RD3L150SNFRA	Rohm	MOSFET N-CH 60V 15A TO252	TO252
R1	1	68.0k	RC0603FR-0768KL	Yageo America	RES, 68.0 k, 1%, 0.1 W, 0603	0603
R2	1	0	RC0603JR-070RL	Yageo	RES, 0, 5%, 0.1 W, 0603	0603
R3	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R4	1	25.5k	CRCW060325K5FKEA	Vishay-Dale	RES, 25.5 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R5	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R6	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R9, R14	2	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R10	1	0.018	CSR1206FK18L0	Stackpole Electronics Inc	RES, 0.018, 1%, 0.5 W, 1206	1206
R11	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R12	1	54.9k	CRCW060354K9FKEA	Vishay-Dale	RES, 54.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R13	1	2.70k	RC0603FR-072K7L	Yageo America	RES, 2.70 k, 1%, 0.1 W, 0603	0603
R15	1	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
U1	1		LM51561QDSSRQ1	Texas Instruments	2.2-MHz Wide VIN 65-V Non-synchronous Boost/SEPIC/Flyback Controller with Dual Random Spread Spectrum, DSS0012C (WSON-12)	DSS0012C
C6	0	220pF	GCM1885C2A221JA16D	MuRata	CAP, CERM, 220 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
C7	0	100uF	EEE-FK1V101XP	Panasonic	CAP, AL, 100 uF, 35 V, +/- 20%, 0.34 ohm, AEC-Q200 Grade 2, SMD	SMT Radial D8
R7	0	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R8	0	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603

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