

PMP40909 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP40909	Any	Printed Circuit Board	
ATOG1, ATOG2, R17, R18	4	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
C1, C23, C32, C33	4	1uF	GRT188R61H105ME13D	MuRata	CAP, CERM, 1 µF, 50 V, +/- 20%, X5R, AEC-Q200 Grade 3, 0603	603
C2, C9, C22, C25	4	0.1uF	CGA3E2X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
C3, C4, C5, C6, C7, C8, C11, C16, C17, C18, C19, C20, C21, C27	14	22uF	GRM32ER71E226KE15L	MuRata	CAP, CERM, 22 uF, 25 V, +/- 10%, X7R, 1210	1210
C10, C26	2	100uF	EEHZA1E101XP	Panasonic	CAP, Polymer Hybrid, 100 uF, 25 V, +/- 20%, 30 ohm, 6.3x7.7 SMD	6.3x7.7
C12	1	10pF	GRM1885C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
C14, C31	2	4.7uF	0603ZD475KAT2A	AVX	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X5R, 0603	603
C15	1	3300pF	GRM1885C1H332JA01D	MuRata	CAP, CERM, 3300 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
J1, J2	2		108-0740-001	Cinch Connectivity	Standard Banana Jack, Uninsulated, 15A	Banana Jack
J3, J4, TP_SW1, TP_SW2	4		5003	Keystone	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
JOUT_P1	1		6.91214E+11	Würth Elektronik	Terminal Block, 3.5mm, 2x1, Tin, TH	Receptacle, 3.5mm, 2x1, TH
L1, L2	2		CMLE105T-2R2MS-99	Cyntec	Fixed Inductor 2.2uH 20% 100kHz 19.5A 4.5mOhm	SMT_IND_11MM15_1 OMM0
R1, R7	2	0.01	WSL2512R0100FEA	Vishay-Dale	RES, 0.01, 1%, 1 W, 2512	2512
R2	1	49.9	ERJ-3EKF49R9V	Panasonic	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R3	1	191k	CRCW0603191KFKEA	Vishay-Dale	RES, 191 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R5	1	10.0k	RCG060310K0FKEA	Vishay Draloric	RES, 10.0 k, 1%, 0.1 W, 0603	603
R6	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
U1, U2	2		TPS61288RQQR	Texas Instruments	Fully Integrated Synchronous Boost Converter	VQFN-HR11
C13, C29	0	2200pF	GRM188R72E222KW07D	MuRata	CAP, CERM, 2200 pF, 250 V, +/- 10%, X7R, 0603	603
C24	0	3300pF	C0603X332K5RACTU	Kemet	CAP, CERM, 3300 pF, 50 V, +/- 10%, X7R, 0603	603
C28	0	10pF	GRM1885C1H100JA01D	MuRata	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
C30	0	3300pF	GRM1885C1H332JA01D	MuRata	CAP, CERM, 3300 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
R4, R12	0	1.2	CRCW12061R20FKEA	Vishay-Dale	RES, 1.20, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R8	0	49.9	ERJ-3EKF49R9V	Panasonic	RES, 49.9, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R9, R14	0	10.0k	RCG060310K0FKEA	Vishay Draloric	RES, 10.0 k, 1%, 0.1 W, 0603	603
R10	0	1.30Meg	CRCW06031M30FKEA	Vishay-Dale	RES, 1.30 M, 1%, 0.1 W, 0603	603
R11	0	191k	CRCW0603191KFKEA	Vishay-Dale	RES, 191 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R13	0	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R15, R16	0	100	ERJ-3EKF1000V	Panasonic	RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
U3	0		TLV9152IDR	Texas Instruments	General Purpose Amplifier 2 Circuit Rail-to-Rail 8-SOIC	SOIC8

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