

PMP20804 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPCBA	1		PMP7819 REVC		PMP7819 REVC	N/A
C1, C2, C3, C20, C21, C22	6	2.2uF	HMK325B7225KN-T	Taiyo Yuden	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210
C4, C18	2	1uF	GRM188R71C105KA12D	MuRata	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603
C5	1	0.1uF	C2012X7R2A104K	TDK	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0805	0805
C6, C14, C16, C24	4	0.1uF	C1608X7R1H104K	TDK	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
C7, C19	2	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0603	0603
C8, C11, C17	3	100pF	06035A101JAT2A	AVX	CAP, CERM, 100pF, 50V, +/-5%, COG/NP0, 0603	0603
C9, C10, C27, C28	4		EEF-CD1B220R	Panasonic-ECG	CAP ALUM 22UF 12.5V 20% SMD	Used in BOM report
C12, C29	2	2700pF	06031C272JAT2A	AVX	CAP, CERM, 2700pF, 100V, +/-5%, X7R, 0603	0603
C13	1	0.047uF	C1608X7R1H473K	TDK	CAP, CERM, 0.047uF, 50V, +/-10%, X7R, 0603	0603
C15, C23	2	2200pF	C0603C222K5RACTU	Kemet	CAP, CERM, 2200pF, 50V, +/-10%, X7R, 0603	0603
C25, C26	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100pF, 50V, +/-5%, COG/NP0, 0603	0603
D1, D2, D3, D4	4	0.6V	BAT46W-7-F	Diodes Inc.	Diode, Schottky, 100V, 0.15A, SOD-123	SOD-123
D5, D6, D7, D8	4	0.7V	BAT54WS-7-F	Diodes Inc.	Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323
GND, GND V	2	Black	5001	Keystone	Test Point, TH, Miniature, Black	Keystone5001
J1, J2	2		3102-2-00-21-00-00-08-0	Mill -Max	PC PIN .040 DIA 3102-2 SERIES	Through Hole 44 mil drfill
J3, J4	2		3144-2-00-21-00-00-08-0	Mill -Max	CIRCUIT PIN PRNTD .188" .084"	Through Hole 67 mil drfill
L1, L2	2	10.0uH	VER2923-103KL	Coilcraft	Inductor, Shielded E Core, Ferrite, 10.0uH, 34A, .0023 ohm, SMD	VER29xx
Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	8	60V	CSD18531Q5A	Texas Instruments	MOSFET, N-CH, 60 V, 100 A, DQJ0008A (VSONP-8)	DQJ0008A
Q9, Q10, Q11, Q12	4	0.075V	2DB1694-7	Diodes Inc.	TRANS BIPO PNP 30V 1A SOT-323	SOT-323
R1, R13	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R2, R6	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R3	1	1.00	CRCW08051R00FNEA	Vishay-Dale	RES, 1.00 ohm, 1%, 0.125W, 0805	0805
R4	1	133k	CRCW0603133KFKEA	Vishay-Dale	RES, 133k ohm, 1%, 0.1W, 0603	0603
R5	1	2.49k	CRCW06032K49FKEA	Vishay-Dale	RES, 2.49k ohm, 1%, 0.1W, 0603	0603
R7, R23	2	73.2k	CRCW060373K2FKEA	Vishay-Dale	RES, 73.2k ohm, 1%, 0.1W, 0603	0603
R8, R16	2	1.00	CRCW12061R00FNEA	Vishay-Dale	RES, 1.00 ohm, 1%, 0.25W, 1206	1206
R9	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32k ohm, 1%, 0.1W, 0603	0603
R10, R19	2	0.003	WSL20103L000FEA	Vishay-Dale	RES, 0.003 ohm, 1%, 0.5W, 2010	2010
R11	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9k ohm, 1%, 0.1W, 0603	0603
R18	1	69.8k	CRCW060369K8FKEA	Vishay-Dale	RES, 69.8k ohm, 1%, 0.1W, 0603	0603
R22	1	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99k ohm, 1%, 0.1W, 0603	0603
R24	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9 ohm, 1%, 0.1W, 0603	0603
R25, R26, R27, R28	4	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100 ohm, 1%, 0.1W, 0603	0603
U1	1		LM5119PSQE/NOPB	Texas Instruments	IC CTRL SYNC BUCK DUAL 32-LLP	SQA32A
VIN, VOUT	2	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000
EN2, Sync, TP IN, TP OUT	0	Red	5000	Keystone	Test Point, TH, Miniature, Red	Keystone5000

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