PMP10664 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C28	2	1000pF	C1608C0G1H102J	TDK	CAP, CERM, 1000pF, 50V, +5/%, C0G/NP0, 0603	0603
C2, C22	2	0.047uF	C1608X7R1H473K	TDK	CAP, CERM, 0.047 µF, 50 V, +/- 10%, X7R, 0603	0603
C3, C24	2	220pF	C1608C0G1H221J	TDK	CAP, CERM, 220 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C4, C20	2	1uF	GRM188R71C105KA12D	MuRata	CAP, CERM, 1uF, 16V, +/-10%, X7R, 0603	0603
C5, C19	2	10uF	GMK316BJ106KL	Taiyo Yuden	CAP, CERM, 10 µF, 35 V, +/- 10%, X5R, 1206	1206
C6, C15, C21	3	100pF	C1608C0G1H101J	TDK	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603
C7, C23	2	0.01uF	C1608X7R1H103K	TDK	CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, 0603	0603
C8, C25	2	470pF	GRM1885C1H471JA01D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C9, C16	2	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1uF, 100V, +/-10%, X7R, 0603	0603
C10, C11, C12, C26, C27	5	47uF	LMK325BJ476MM	Taiyo Yuden	CAP, CERM, 47 µF, 10 V, +/- 20%, X5R, 1210	1210
C13	1	0.1uF	GRM188R72A104KA35D	MuRata	CAP, CERM, 0.1 µF, 100 V, +/- 10%, X7R, 0603	0603
C14	1	100pF	06035A101JAT2A	AVX	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603
C17	1	0.47uF	GRM188R71C474KA88D	MuRata	CAP, CERM, 0.47 µF, 16 V, +/- 10%, X7R, 0603	0603
D1, D2	2	0.7V	BAT54WS-7-F	Diodes Inc.	Diode, Schottky, 30V, 0.2A, SOD-323	SOD-323
D100, D101	2	30V	RB080L-30TE25	Rohm	Diode, Schottky, 30 V, 5 A, SMA	SMA
J1, J2, J3	3		ED120/2DS	On-Shore Technology, Inc.	TERMINAL BLOCK 5.08MM VERT 2POS	TERM_BLK, 2pos, 5.08mm
L1	1	1.5uH	1217AS-H-1R5M	Toko	Inductor, Shielded, Ferrite, 1.5 µH, 7.3 A, 0.01 ohm, SMD	8.5x8.3x4.5mm
L2	1	2.2uH	1217AS-H-2R2M	Toko	Inductor, Shielded, Ferrite, 2.2 µH, 6.5 A, 0.0132 ohm, SMD	8.5x8.3x4.5mm
Q1, Q3	2	33V	FK8V03050L	Panasonic	MOSFET, N-CH, 33V, 8A	SC-115
Q2, Q4	2	33V	FK8V03040L	Panasonic	MOSFET, N-CH, 33V, 10A	SC-115
Q5	1	50V	BSS138W-7-F	Diodes Inc.	MOSFET, N-CH, 50 V, 0.2 A, SOT-323	SOT-323
R1, R2, R21, R24	4	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10 ohm, 5%, 0.1W, 0603	0603
R3	1	39.2k	CRCW060339K2FKEA	Vishay-Dale	RES, 39.2 k, 1%, 0.1 W, 0603	0603
R4	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R5	1	1.0	CRCW06031R00JNEA	Vishay-Dale	RES, 1.0, 5%, 0.1 W, 0603	0603
R6, R23	2	47	CRCW060347R0JNEA	Vishay-Dale	RES, 47, 5%, 0.1 W, 0603	0603
R7, R15	2	4.12k	CRCW06034K12FKEA	Vishay-Dale	RES, 4.12 k, 1%, 0.1 W, 0603	0603
R8, R18	2	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0 ohm, 5%, 0.1W, 0603	0603
R9, R16	2	1.33k	CRCW06031K33FKEA	Vishay-Dale	RES, 1.33 k, 1%, 0.1 W, 0603	0603
R10, R17	2	3.6k	CRCW06033K60JNEA	Vishay-Dale	RES, 3.6 k, 5%, 0.1 W, 0603	0603
R11, R20	2	2.2	CRCW08052R20JNEA	Vishay-Dale	RES, 2.2, 5%, 0.125 W, 0805	0805
R12	1	8.06k	CRCW06038K06FKEA	Vishay-Dale	RES, 8.06 k, 1%, 0.1 W, 0603	0603
R13	1	0.01	WSL2010R0100FEA18	Vishay-Dale	RES, 0.01, 1%, 1 W, 2010	2010
R14	1	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, 0603	0603
R19	1	34.8k	CRCW060334K8FKEA	Vishay-Dale	RES, 34.8 k, 1%, 0.1 W, 0603	0603
R22	1	0.015	WSL2010R0150FEA18	Vishay-Dale	RES, 0.015, 1%, 1 W, 2010	2010
R25	1	4.02k	CRCW06034K02FKEA	Vishay-Dale	RES, 4.02 k, 1%, 0.1 W, 0603	0603
TP1, TP3, TP5, TP7, TP9, TP11, TP13	7	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Keystone5010
TP2, TP4, TP6, TP8, TP10, TP12, TP14	7	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Keystone5011
TP15, TP16, TP17	3	White	5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
U1	1		LM25119PSQE/NOPB	Texas Instruments	IC CTRL SYNC BUCK DUAL 32-LLP	SQA32A

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