

PMP7850_RevB_BOM

Item	Designator	Description	Manufacturer	PartNumber	Quantity
1	AA1	Printed Circuit Board	TBD by TI	551XX7850-001 REV A	1
2	C1, C2, C19, C21	CAP, CERM, 470pF, 100V, +/-5%, C0G/NP0, 0805	MuRata	GRM2165C2A471JA01D	4
3	C3	CAP, AL, 330uF, 10V, +/-20%, SMD	Panasonic	10SVPS330M	1
4	C4, C5, C22, C23	CAP, AL, 180uF, 16V, +/-20%, SMD	Sanyo	16SVP180MX	4
5	C6, C7, C8, C9, C10, C24, C25, C26, C27, C28	CAP, CERM, 10uF, 16V, +/-20%, X5R, 1206	TDK	C3216X5R1C106M	10
6	C11, C13, C29, C31	CAP, CERM, 0.47uF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E474KA12D	4
7	C12, C16, C18, C30, C33	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	MuRata	GRM1885C1H101JA01D	5
8	C14, C32	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E105KA12D	2
9	C15	CAP, CERM, 0.1uF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E104KA01D	1
10	C17	CAP, CERM, 0.047uF, 25V, +/-10%, X7R, 0603	MuRata	GRM188R71E473KA01D	1
11	C20	CAP, CERM, 0.022uF, 25V, +/-10%, X7R, 0603	Kemet	C0603C223K3RACTU	1
12	C34	CAP, CERM, 0.01uF, 16V, +/-10%, X7R, 0603	MuRata	GRM188R71C103KA01D	1
13	D1, D3, D4, D5	Diode, Schottky, 60V, 1A, SOD-123F	NXP Semiconductor	PMEG6010CEH,115	4
14	FID1, FID2, FID3, FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.	N/A	N/A	6
15	IN1, OUT1, Sync In 1, Sync In 2, TP5, TP6	Test Point, TH, Miniature, White	Keystone	5002	6
16	J1, J2, J3, J4	Standard Banana Jack, Uninsulated, 5.5mm	Keystone	575-4	4
17	L1, L2	INDUCTOR POWER 3.3UH 54A SMD	Vishay-Dale	IHLP6767GZER3R3MA1	2
18	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8	MOSFET N-CH 25V 8SON	Texas	CSD16415Q5	8
19	R1, R2, R19, R23	RESISTOR 7.5 OHM 3/4W 5% 2010	Panasonic	ERJ-12ZYJ7R5U	4
20	R3, R24	RES, 0.0015 ohm, 1%, 1W, 2512	Panasonic	ERJ-M1WTF1M5U	2

21	R4, R7, R8, R13, R14, R15, R27, R28, R30, R31, R32	RES, 0 ohm, 5%, 0.1W, 0603	Panasonic	ERJ-3GEY0R00V	11
22	R5, R6, R25, R26	RES, 100 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100RFKEA	4
23	R10	RES, 49.9k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060349K9FKEA	1
24	R11, R29	RES, 3.3 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06033R30JNEA	2
25	R12	RES, 15.0k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-0715KL	1
26	R16, R33	RES, 20.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060320K0FKEA	2
27	R17, R34	RES, 39.0k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-0739KL	2
28	R18	RES, 15.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060315K0FKEA	1
29	R20	RES, 2.67k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06032K67FKEA	1
30	R21	RES, 23.2k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060323K2FKEA	1
31	R22	RES, 604 ohm, 1%, 0.125W, 0805	Vishay-Dale	CRCW0805604RFKEA	1
32	U1, U2		TI	LM5122MH	2
33	Vin1, Vout1	Test Point, TH, Miniature, Red	Keystone	5000	2
34	Vin Gnd1, Vout Gnd1	Test Point, TH, Miniature, Black	Keystone	5001	2
35	R9	RES, 158k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603158KFKEA	0

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