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**PMP31247 REV B Bill of Materials**

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C4, C16, C17	4	0.1uF	CGA2B3X7R1H104K050BD	TDK	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
2	C2, C3, C5	3	10uF	CGA5L1X7R1H106K160AE	TDK	CAP, CERM, 10 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
3	C6	1	2.2uF	GCM31CR71H225KA55L	MuRata	CAP, CERM, 2.2 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
4	C7, C21, C22	3	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
5	C8	1	0.1uF	GCM155R71C104JA55D	MuRata	CAP, CERM, 0.1 µF, 16 V, +/- 5%, X7R, AEC-Q200 Grade 1, 0402	0402
6	C9, C10, C11	3	47µF	GRM32ED71A476ME15L	Murata	47µF ±20% 10V Ceramic Capacitor X7T 1210 (3225 Metric)	1210
7	C13	1	100pF	06035A101JAT2A	AVX	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
8	C15, C18, C19	3	10uF	GRM188Z71A106MA73D	MuRata	CAP, CERM, 10 µF, 10 V, +/- 20%, X7R, 0603	0603
9	C23	1	39µF	EEH-ZK1V390UR	Panasonic	39 µF 35 V Aluminum - Polymer Capacitors Radial, Can - SMD 100mOhm 4000 Hrs @ 125°C	
10	C24	1	2.2uF	EMK107BB7225KA-T	Taiyo Yuden	CAP, CERM, 2.2 µF, 16 V, +/- 10%, X7R, 0603	0603
11	EN/SYNC	1		5003	Keystone Electronics	Test Point, Miniature, Orange, TH	Orange Miniature Testpoint
12	J1	1		61300311121	Würth Elektronik	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
13	L1	1	470nH	SRN2010TA-R47Y	Bourns	Inductor, Shielded, Ferrite, 470 nH, 2.35 A, 0.0528 ohm, AEC-Q200 Grade 1, SMD	2.0x1.6x1.0mm
14	L2	1	6.8uH	744771006	Würth Elektronik	Inductor, Shielded Drum Core, Metal Composite, 6.8 uH, 5.6 A, 0.014 ohm, SMD	SMD
15	L3	1	470nH	DFE252012PD-R47M	MuRata Toko	Inductor, Shielded, 470 nH, 4.7 A, 0.021 ohm, SMD	1008
16	L4	1		ACM9070-701-2PL-TL01	TDK	Coupled inductor, 5 A, 0.01 ohm, SMD	9x7mm
17	R1	1	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
18	R2, R8, R9, R11, R13	5	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
19	R3, R6	2	51	RC0603FR-0751RL	Yageo	RES, 51.0, 1%, 0.1 W, 0603	0603
20	R4	1	51.0k	RC0603FR-0751KL	Yageo	RES, 51.0 k, 1%, 0.1 W, 0603	0603
21	R5	1	22.1k	CRCW060322K1FKEA	Vishay-Dale	RES, 22.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
22	R7	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
23	R10	1	8.06k	CRCW06038K06FKEA	Vishay-Dale	RES, 8.06 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
24	R12	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
25	TP1, TP6, TP8	3		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
26	TP2, TP3, TP7	3		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
27	TP5, TP9	2		5012	Keystone Electronics	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint
28	U1	1		LMR23630AFQDDARQ1	Texas Instruments	SIMPLE SWITCHER, 36V, 3A Synchronous Step-Down Converter, DDA0008E (SOIC-8)	DDA0008E
29	U2	1		TPS6285018AQDRLRQ1	Texas Instruments	1.2V fixed voltage Step-Down Converter	SOT-583
30	VIN, VOUT1, VOUT2	3		ED120/2DS	On-Shore Technology	Terminal Block, 5.08 mm, 2x1, Brass, TH	2x1 5.08 mm Terminal Block
31	C12	0	47µF	GRM32ED71A476ME15L	Murata	47µF ±20% 10V Ceramic Capacitor X7T 1210 (3225 Metric)	1210
32	C14, C20	0	10uF	GRM188Z71A106MA73D	MuRata	CAP, CERM, 10 µF, 10 V, +/- 20%, X7R, 0603	0603

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
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