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**PMP31273 REV A Bill of Materials**

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C12	2	0.1uF	CGA2B3X7R1H104K050BD	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
2	C2, C13, C25	3	10uF	CGA5L1X7R1H106K160AE	TDK	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
3	C3, C4, C14, C15	4	0.022uF	CGA2B3X7R1H223K050BB	TDK	CAP, CERM, 0.022 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
4	C5	1	47uF	EEHZA1V470P	Panasonic	CAP, Polymer Hybrid, 47 uF, 35 V, +/- 20%, 60 ohm, 6.3x5.8 SMD	6.3x5.8
5	C6, C8, C16, C18	4	22uF	GCM31CR71A226KE02	MuRata	CAP, CERM, 22 uF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
6	C10, C19, C21, C24	4	0.1uF	GCM155R71C104JA55D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 5%, X7R, AEC-Q200 Grade 1, 0402	0402
7	C11, C20	2	1uF	GCM188R71C105KA64J	MuRata	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
8	L1	1	10 uH	ETQP3M100KVP	Panasonic	10 uH Shielded Wirewound Inductor 2.9 A 105.6mOhm	
9	L2	1	6.8uH	ETQP3M6R8KVP	Panasonic	6.8 uH Shielded Wirewound Inductor 3.5 A 72.27mOhm	
10	R2, R6, R10, R13, R15, R18, R19	7	0	RK73Z1ETTP	KOA Speer	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
11	R3, R7	2	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
12	R4, R8	2	51.1	CRCW040251R1FKED	Vishay-Dale	RES, 51.1, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
13	R9, R11, R12, R14, R16, R20	6	10.0k	ERJPA2F1002X	Panasonic	RES, 10.0 k, 1%, 0.2 W, AEC-Q200 Grade 0, 0402	0402
14	TP1, TP3, TP5	3		5000	Keystone Electronics	Test Point, Miniature, Red, TH	Red Miniature Testpoint
15	TP2, TP4, TP6	3		5001	Keystone Electronics	Test Point, Miniature, Black, TH	Black Miniature Testpoint
16	TP7, TP8, TP10, TP11, TP12, TP13	6		5002	Keystone Electronics	Test Point, Miniature, White, TH	White Miniature Testpoint
17	U1	1		LMR34206FSC5RNXRQ1	Texas Instruments	LMR342XX-Q1 SIMPLE SWITCHER® 42 V, 600mA/1.5A Synchronous Buck Converter, RNX0012B (VQFN-HR-12)	RNX0012B
18	U2	1		LMR34206FSC3RNXRQ1	Texas Instruments	LMR342XX-Q1 SIMPLE SWITCHER® 42 V, 600mA/1.5A Synchronous Buck Converter, RNX0012B (VQFN-HR-12)	RNX0012B
19	U3	1		TPS3850H33QDRRCRQ1	Texas Instruments	Automotive Precision Voltage Supervisor With Programmable Window Watchdog Timer, DRC0010R (VSON-10)	DRC0010R
20	U4	1		SN74LVC2G74QDCURQ1	Texas Instruments	Automotive Catalog Single Positive-Edge-Triggered D-Type Flip-Flop with Clear and Preset, DCU0008A (VSSOP-8)	DCU0008A
21	C7, C17	0	22uF	GCM31CR71A226KE02	MuRata	CAP, CERM, 22 uF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
22	C23	0	0.1uF	GCM155R71C104JA55D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 5%, X7R, AEC-Q200 Grade 1, 0402	0402
23	R17	0	10.0k	ERJPA2F1002X	Panasonic	RES, 10.0 k, 1%, 0.2 W, AEC-Q200 Grade 0, 0402	0402
24	R21	0	0	RK73Z1ETTP	KOA Speer	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402

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