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PMP23397 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C3	3	0.22uF	CGA5L3X7T2E224K160AE	TDK	CAP, CERM, 0.22 uF, 250 V, +/- 10%, X7T, AEC-Q200 Grade 1, 1206	1206
C5	1	22uF	GRM32ER61E226KE15L	MuRata	CAP, CERM, 22 uF, 25 V, +/- 10%, X5R, 1210	1210
C7, C13, C14, C16	4	0.22uF	GRM188R71E224KA88D	MuRata	CAP, CERM, 0.22 uF, 25 V, +/- 10%, X7R, 0603	0603
C8	1	2.2uF	GRM21BR71E225KA73L	MuRata	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X7R, 0805	0805
C9	1	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C11, C15	2	2200pF	GRM188R71E222KA01D	MuRata	CAP, CERM, 2200 pF, 25 V, +/- 10%, X7R, 0603	0603
C12	1	22uF	EEE-FK1C220UR	Panasonic	CAP, AL, 22 uF, 16 V, +/- 20%, 1.35 ohm, AEC-Q200 Grade 2, SMD	SMT Radial B
D2	1	400V	ES3G-E3/57T	Vishay-Semiconductor	Diode, Ultrafast, 400 V, 3 A, SMC	SMC
D3, D4	2	200V	BAS21H,115	Nexperia	Diode, Standard Recovery Rectifier, 200 V, 0.2 A, SOD-123F	SOD-123F
D101	1	14V	SMAJ14A	Littelfuse	Diode, TVS, Uni, 14 V, 23.2 Vc, 400 W, 17.2 A, SMA	SMA
GND	2		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
H1, H2, H3, H4	4		4824	Keystone		HEX STANDOFF 6-32 NYLON 1-1/2 inch
L1	1	680uH	MSS1278-684KLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 680 uH, 0.75 A, 1.04 ohm, SMD	MSS1278
Q1	1	250V	BSC16DN25NS3 G	Infineon Technologies	MOSFET, N-CH, 250 V, 10.9 A, PG-TDSON-8	PG-TDSON-8
Q101	1	40 V	MMBT2222A	Fairchild Semiconductor	Transistor, NPN, 40 V, 0.15 A, SOT-23	SOT-23
R1	1	1	CRCW12061R00FKEA	Vishay-Dale	RES, 1.00, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R2, R3	2	20k	CRCW120620K0JNEA	Vishay-Dale	RES, 20 k, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R4	1	4.7	CRCW06034R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R5	1	3.01k	CRCW06033K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R6, R9, R101	3	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R7	1	4.7k	CRCW12064K70JNEA	Vishay-Dale	RES, 4.7 k, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R8, R10	2	2.49k	CRCW06032K49FKEA	Vishay-Dale	RES, 2.49 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R102	1	100	CRCW1206100RJNEA	Vishay-Dale	RES, 100, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
U1	1		UCC28C52DR	Texas Instruments	Buck, Boost, Flyback, Forward Converter, SEPIC Regulator Positive Output Step-Up, Step-Down, Step-Up/Step-Down DC-DC Controller IC 8-SOIC	SOIC8
VIN, VOUT	2		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
C10	0	10uF	GRM31CR71E106MA12L	MuRata	CAP, CERM, 10 µF, 25 V,+/- 20%, X7R, AEC-Q200 Grade 1, 1206	1206

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