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PMP23518 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C14	1	10pF	885012005055	Wurth Elektronik	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C27	1	100pF	885012005061	Wurth Elektronik	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C25	1	180pF	GRM1555C1H181JA01D	MuRata	CAP, CERM, 180 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C10, C11, C15, C21	4	0.1uF	885012105010	Wurth Elektronik	CAP, CERM, 0.1 uF, 10 V, +/- 20%, X5R, 0402	0402
C13	1	0.01uF	885012206089	Wurth Elektronik	CAP, CERM, 0.01 µF, 50 V,+/- 10%, X7R, 0603	0603
C2, C5	2	0.1uF	885012206071	Wurth Elektronik	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	0603
C18, C19	2	1uF	885012206026	Wurth Elektronik	CAP, CERM, 1 uF, 10 V,+/- 10%, X7R, 0603	0603
C6, C7, C8, C9, C12, C16, C20, C22, C23, C24	10	22uF	GRM21BR61A226ME44L	MuRata	CAP, CERM, 22 uF, 10 V, +/- 20%, X5R, 0805	0805
C3, C4	2	10uF	885012208069	Wurth Elektronik	CAP, CERM, 10 uF, 25 V, +/- 10%, X7R, 1206	1206
C29	1	100uF	6TPE100MAZB	Panasonic	CAP, Tantalum Polymer, 100 µF, 6.3 V,+/- 20%, 0.035 ohm, 3528 SMD	3528
C26	1	100uF	20TQC100MYF	Panasonic	CAP, Tantalum Polymer, 100 uF, 20 V, +/- 20%, 0.055 ohm, 7.3x4.3mm SMD	7.3x4.3mm
C28	1		850617022001	Wurth Elektronik	WCAP-STSC Supercapacitors (EDLCs), THT, D16 x H25mm, 25F, 2.7VDC	
J1, J2	2		691214110002	Wurth Elektronik	Terminal Block, 3.5mm, 2x1, Tin, TH	Receptacle, 3.5mm, 2x1, TH
J3, J4, J5, J7, J8, J9	6		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
L1	1		XGL4020-682MEC	Coilcraft	Shielded Power Inductors	SMD2
L2	1	1uH	XGL6030-102MEC	Coilcraft	1 µH Shielded Molded Inductor 18.1 A 4.9mOhm Max Nonstandard	SMT2_6MM51_6MM71
R4, R12, R19	3	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R2	1	2.2	CRCW04022R20JNED	Vishay-Dale	RES, 2.2, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R13	1	374	CRCW0402374RFKED	Vishay-Dale	RES, 374, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R20	1	2.00k	CRCW04022K00FKED	Vishay-Dale	RES, 2.00 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R7, R9	2	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R6	1	20.5k	CRCW040220K5FKED	Vishay-Dale	RES, 20.5 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R17	1	24.9k	CRCW040224K9FKED	Vishay-Dale	RES, 24.9 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R8	1	35.7k	CRCW040235K7FKED	Vishay-Dale	RES, 35.7 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R15	1	511k	CRCW0402511KFKED	Vishay-Dale	RES, 511 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R5	1	80.6k	CRCW040280K6FKED	Vishay-Dale	RES, 80.6 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R16	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R3	1	154k	CRCW0402154KFKED	Vishay-Dale	RES, 154 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R14	1	200k	CRCW0402200KFKED	Vishay-Dale	RES, 200 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R11	1	301k	CRCW0402301KFKED	Vishay-Dale	RES, 301 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
TP4	1		5002	Keystone Electronics	Test Point, Miniature, White, TH	White Miniature Testpoint
TP5	1		5001	Keystone Electronics	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		TPS62932DRLR	Texas Instruments	3.8-V to 30-V, 2-A Synchronous Buck Converter in SOT583 Package	SOT583
U2	1		TPS2116DRLR	Texas Instruments	1.6 V to 5 V, 2.5-A Low IQ Power Mux With Manual and Automatic Switchover	FCSOT8
U3	1		BQ25173DSG	Texas Instruments	800-mA Linear Charger for 1- to 4-Cell Super Capacitor	WSON8

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U4	1		TPS61022RWUR	Texas Instruments	8-A Boost Converter with 0.5-V Ultra-Low Input Voltage, RWU0007A (VQFN-HR-7)	RWU0007A
C1, C17	0	100pF	885012006057	Wurth Elektronik	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
D1	0	30V	BAT54WS-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOD-323	SOD-323
R1, R10	0	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R18	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402

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