

PMP22670 REV 1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
I PCB1	1		PMP22670	Any	Printed Circuit Board	
C1	1	0.1uF	CGA2B3X7R1E104K050BB	TDK	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C2	1	1uF	CGA5L2X7R2A105K160AA	TDK	CAP, CERM, 1 uF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C3	1	4.7uF	CGA4J1X7R1H475K125AC	TDK Corporation	Cap Ceramic 4.7uF 50V X7R 10% Pad SMD 0805 +125°C Automotive T/R	0805
C5	1		HMF325B7225KMHP	Taiyo Yuden	2.2uF ±10% 100V Ceramic Capacitor X7R 1210 (3225 Metric)	1210
C6, C7	2	0.1uF	CGA4J2X7R2A104K125AA	TDK	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
C8	1	0.1uF	CGA2B3X7R1H104K050BB	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C9	1	22uF	EEE-FK2A220P	Panasonic	CAP, AL, 22 uF, 100 V, +/- 20%, 1.3 ohm, AEC-Q200 Grade 2, SMD	SMT Radial F
C11, C12	2	22uF	GCM31CR71A226KE02	MuRata	CAP, CERM, 22 uF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C13	1	1000pF	GCM155R71H102KA37D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C14	1	1uF	CGA3E1X7R1C105K080AC	TDK	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
FB1	1		BLM31KN471SH1L	Murata	470 Ohms @ 100MHz 1 Power Line Ferrite Bead 1206 (3216 Metric) 4A 20mOhm	1206
J1, J2, J3, J4	4		575-8	Keystone	Standard Banana Jack, Uninsulated, 8.9mm	Keystone575-8
L1	1	600nH	XAL4020-601MEB	Coilcraft	Inductor, Shielded, Composite, 600 nH, 10.38 A, 0.01 ohm, AEC-Q200 Grade 1, SMD	4x2.1x4mm
L2	1	3.3uH	XAL4030-332MEB	Coilcraft	Inductor, Shielded, Composite, 3.3 uH, 5.5 A, 0.026 ohm, SMD	4.0x3.1x4.0mm
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch
R1	1	0	CRCW25120000Z0EG	Vishay-Dale	RES, 0, 5%, 1 W, AEC-Q200 Grade 0, 2512	2512
R2	1	825k	CRCW0402825KFKED	Vishay-Dale	RES, 825 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R3, R4	2	10.0	CRCW201010R0FKEF	Vishay-Dale	RES, 10.0, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R5	1	49.9k	CRCW040249K9FKED	Vishay-Dale	RES, 49.9 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R6, R7, R12	3	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R14	1	100k	CRCW0402100KJNED	Vishay-Dale	RES, 100 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
TP1, TP3, TP6, TP8, TP9, TP10, TP11, TP12, TP13, TP14	10		5015	Keystone	Test Point, Miniature, SMT	Testpoint_Keystone_Miniature
TP2, TP4, TP5, TP7	4		1502-2	Keystone	Terminal, Turret, TH, Double	Keystone1502-2
U1	1		LMR43620MSC3RPERQ1	Texas Instruments	Industry's lowest Iq 36V 2.0A/1.0A -DC Synchronous Buck Regulator, RPE0009A (VQFN-9)	RPE0009A
C4	0	0.1uF	CGA4J2X7R2A104K125AA	TDK	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
C10	0	22uF	GCM31CR71A226KE02	MuRata	CAP, CERM, 22 uF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C15	0	10pF	GCM1555C1H100JA16D	MuRata	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0402	0402
FID1, FID2, FID3, FID4, FID5, FID6	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
R8, R10, R11	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R9	0	24.9k	CRCW040224K9FKED	Vishay-Dale	RES, 24.9 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
R13	0	100k	CRCW0402100KJNED	Vishay-Dale	RES, 100 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402

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