

PMP11220 REV A Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	1000pF	C1005X7R1H102M	TDK	CAP, CERM, 1000 pF, 50 V, +/- 20%, X7R, 0402	0402
C2	1	0.1uF	GCM188R71H104KA57D	MuRata	CAP, CERM, 0.1 μF, 50 V, +/- 10%, X7R, 0603	0603
C3, C4, C5	3	10uF	C3225X5R1H106K250AB	TDK	CAP, CERM, 10 μF, 50 V, +/- 10%, X5R, 1210	1210
C6	1	1uF	GMK107BJ105KA-T	Taiyo Yuden	CAP, CERM, 1 μF, 35 V, +/- 10%, X5R, 0603	0603
C7	1	0.1uF	GRM188R61C104KA01D	MuRata	CAP, CERM, 0.1 μF, 16 V, +/- 10%, X5R, 0603	0603
C8	1	0.022uF	C0603X223K5RACTU	Kemet	CAP, CERM, 0.022 μF, 50 V, +/- 10%, X7R, 0603	0603
C9	1	1uF	GRM188R60J105KA01D	MuRata	CAP, CERM, 1 μF, 6.3 V, +/- 10%, X5R, 0603	0603
C10, C11, C12, C13, C14, C15	6	22uF	C3225X5R1C226M	TDK	CAP, CERM, 22 μF, 16 V, +/- 20%, X5R, 1210	1210
C16	1	22uF	C3225X5R1C226M	TDK	CAP, CERM, DNP, 25 V, +/- 20%, X5R, 1210	1210
J1	1		5103308-1	TE Connectivity	Header (shrouded), 100mil, 5x2, Gold, TH	5x2 Shrouded header
J2, J3	2		ED120/2DS	On-Shore Technology	TERMINAL BLOCK 5.08MM VERT 2POS	TERM_BLK, 2pos, 5.08mm
L1	1	8.2uH	7443320820	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 8.2 μH, 12 A, 0.0099 ohm, SMD	12.1x9.5x11.4mm
Q1, Q2	2	60V	CSD18537NQA5A	Texas Instruments	MOSFET, N-CH, 60 V, 50 A, SON 5x6mm	SON 5x6mm
R1, R4, R5, R7, R9	5	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R2, R3, R12, R14, R15	5	100k	CPF0603B100KE	TE Connectivity	RES, 100 k, 0.1%, 0.063 W, 0603	0603
R6	1	300k	RC0603FR-07300KL	Yageo America	RES, 300 k, 1%, 0.1 W, 0603	0603
R8	1	49.9	RT0603BRD0749R9L	Yageo America	RES, 49.9, 0.1%, 0.1 W, 0603	0603
R10	1	1.00k	RC1206FR-071KL	Yageo America	RES, DNP, 1%, 0.25 W, 1206	1206
R11	1	37.0k	RT0603DRE0737KL	Yageo America	RES, 37.0 k, 0.5%, 0.1 W, 0603	0603
R13	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
R16	1	4.99k	RC0603FR-074K99L	Yageo America	RES, 4.99 k, 1%, 0.1 W, 0603	0603
TP1, TP2, TP3, TP4	4	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP5, TP6	2	Black	5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1	1		TPS53819ARGTR	Texas Instruments	High-Performance, Eco-mode™, Single Synchronous Step-Down Controller with PMBus	RGT0016C

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