

PMP10745 REV E3 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPC1	1		PMP10745	Any	Printed Circuit Board	
C1, Ca4, Ca5, Cb4, Cb5	5	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	0603
C2, Ca3, Cb3	3	1uF	GRM21BR71H105KA12L	MuRata	CAP, CERM, 1 μ F, 50 V, +/- 10%, X7R, 0805	0805
C3, Ca2, Cb2	3	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 μ F, 50 V, +/- 10%, X7R, 1210	1210
C4	1	22uF	EEE-FK1H220P	Panasonic	CAP, AL, 22 μ F, 50 V, +/- 20%, 0.88 ohm, SMD	SMT Radial D
Ca1, Cb1	2	0.47uF	GRM188R71E474KA12D	MuRata	CAP, CERM, 0.47 μ F, 25 V, +/- 10%, X7R, 0603	0603
Ca6, Ca7, Cb6, Cb7	4	22uF	GRM32ER71C226KE18L	MuRata	CAP, CERM, 22 μ F, 16 V, +/- 10%, X7R, 1210	1210
Ca8, Cb8	2	2.2uF	GRM188R71A225KE15D	MuRata	CAP, CERM, 2.2 μ F, 10 V, +/- 10%, X7R, 0603	0603
Da, Db	2	60V	RB160M-60TR	Rohm	Diode, Schottky, 60 V, 1 A, SOD-123	SOD-123
FB1	1		FBMJ3216HS480NT	Taiyo Yuden	Ferrite Bead, 60 ohm @ 100 MHz, 4 A, 1206	1206 (3216 Metric)
GND1, GND2, GND3, IN+, VOA, VOB	6	Double	1502-2	Keystone	Terminal, Turret, TH, Double	Keystone1502-2
H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
L1	1	4.7uH	74437349047	Würth Elektronik	Inductor, Shielded Drum Core, Powdered Iron, 4.7 μ H, 5 A, 0.028 ohm, SMD	7.30x4.80x6.60mm
La, Lb	2	10uH	MSS1048-103MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 10 μ H, 4.32 A, 0.03 ohm, SMD	MSS1048
R1	1	143	CRCW0603143RFKEA	Vishay-Dale	RES, 143, 1%, 0.1 W, 0603	0603
Ra1, Rb1	2	88.7k	CRCW060388K7FKEA	Vishay-Dale	RES, 88.7 k, 1%, 0.1 W, 0603	0603
Ra2, Rb2	2	22.1k	CRCW060322K1FKEA	Vishay-Dale	RES, 22.1 k, 1%, 0.1 W, 0603	0603
Ua, Ub	2		LMR23630	Texas Instruments	3A SIMPLE SWITCHER® Synchronous Buck Regulator, Fixed 400kHz Fsw, Vin range 4V - 36V, low Iq, SOIC/VSON package	DDA0008E_N
C5	0	0.1uF	GRM188R71H104KA93D	MuRata	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0603	0603
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial

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