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N/A

PMP40589 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB	1		PMP40589	Any	Printed Circuit Board	
C1	1	10uF	GRM32ER7YA106KA12L	MuRata	CAP, CERM, 10 uF, 35 V, +/- 10%, X7R, 1210	1210
C2, C3	2	0.1uF	GRM188R71E104KA01D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	0603
C4, C7, C8, C12, C15, C16	6	100pF	GCM1885C2A101JA16D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
C5	1	75pF	GRM1885C1H750JA01D	MuRata	CAP, CERM, 75 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C9, C10, C11, C13, C14	5	22uF	GRM21BR61C226ME44L	MuRata	CAP, CERM, 22 uF, 16 V, +/- 20%, X5R, 0805	0805
D1, D2	2	200V	MBR2H200SFT1G	ON Semiconductor	Diode, Schottky, 200 V, 2 A, SOD-123FL	SOD-123FL
D3	1	15V	MMSZ5245B-7-F	Diodes Inc.	Diode, Zener, 15 V, 500 mW, SOD-123	SOD-123
J1, J4, J5, J6	4		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
J2, J3	2		JMP-36-30X40SMT	Any	Jumper, SMT	shorting jumper, SMT
R1	1	510k	RC0603FR-07510KL	Yageo	RES, 510 k, 1%, 0.1 W, 0603	0603
R2	1	82k	CRCW060382K0JNEA	Vishay-Dale	RES, 82 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R4, R9, R10	3	100	RC0603FR-07100RL	Yageo	RES, 100, 1%, 0.1 W, 0603	0603
R5	1	2.00k	Y16362K00000F9R	Vishay Foil Resistors	RES, 2.00 k, 1%, 0.1 W, 0603	0603
R6	1	49.9	RC0603FR-0749R9L	Yageo	RES, 49.9, 1%, 0.1 W, 0603	0603
R7	1	100k	RC0603FR-07100KL	Yageo	RES, 100 k, 1%, 0.1 W, 0603	0603
R8	1	22.0k	RC0603FR-0722KL	Yageo	RES, 22.0 k, 1%, 0.1 W, 0603	0603
R11	1	3.00k	RC0603FR-073KL	Yageo	RES, 3.00 k, 1%, 0.1 W, 0603	0603
R12	1	1.80k	RC0603FR-071K8L	Yageo	RES, 1.80 k, 1%, 0.1 W, 0603	0603
R13	1	430	CRCW1206430RJNEA	Vishay-Dale	RES, 430, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
T1	1		750344441	Wurth Electronics	Transformer SMD	SMD_6
TP1	1		5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
TP2	1		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
U1	1		TPS54308DDCR	Texas Instruments	4.5-V to 28-V Input, 3-A Output Synchronous Step-Down Converter, DDC0006A (SOT-6)	DDC0006A

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