

1/24/2017

PMP20676 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C23	1	47pF	GRM1885C1H470JA01D	MuRata	CAP, CERM, 47 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
C20, C21	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	603
C14	1	100pF	GRM1885C2A101JA01D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, C0G/NP0, 0603	603
C15	1	3300pF	GRM188R72A332KA01D	MuRata	CAP, CERM, 3300 pF, 100 V, +/- 10%, X7R, 0603	603
C24	1	0.022uF	GRM188R71H223KA01D	MuRata	CAP, CERM, 0.022 µF, 50 V, +/- 10%, X7R, 0603	603
C22, C26	2	0.047uF	C1608X7R1H473K080AA	TDK	CAP, CERM, 0.047 µF, 50 V, +/- 10%, X7R, 0603	603
C3, C8	2	0.22uF	C2012X7R1H224K125AA	TDK	CAP, CERM, 0.22 µF, 50 V, +/- 10%, X7R, 0805	805
C13, C16, C18, C19, C25	5	1uF	C2012X7R1H105K085AC	TDK	CAP, CERM, 1 µF, 50 V, +/- 10%, X7R, 0805	805
C4, C5, C6, C7	4	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 µF, 50 V, +/- 10%, X7R, 1210	1210
C10, C11, C12	3	22uF	C3225X7R1C226K250AC	TDK	CAP, CERM, 22 µF, 16 V, +/- 10%, X7R, 1210	1210
C1, C17	2	2200pF	C4532X7R3D222K130KA	TDK	CAP, CERM, 2200 pF, 2000 V, +/- 10%, X7R, 1812	1812
C9	1	180uF	16SVP180MX	Panasonic	CAP, Aluminum Polymer, 180 µF, 16 V, +/- 20%, 0.03 ohm, 10x10.3 SMD	10x10.3
C2	1	100uF	EEE-FK1H101P	Panasonic	CAP, AL, 100 µF, 50 V, +/- 20%, 0.34 ohm, AEC-Q200 Grade 2, SMD	SMT Radial F
D1	1		STPS30L60CG-TR	STMicroelectronics	Diode, Schottky, 60 V, 15 A, DPAK	DPAK
D2	1		ES3BB-13-F	Diodes Inc.	Diode, Superfast Rectifier, 100V, 3A, SMB	SMB
D3, D4	2		MMSD4148T1G	ON Semiconductor	Diode, Switching, 100V, 0.2A, SOD-123	SOD-123
D5	1		BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
J1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
L1	1	3.3uH	XAL5030-332MEB	Coilcraft	Inductor, Shielded, Composite, 3.3 µH, 8.1 A, 0.02 ohm, SMD	5.3x31.x5.5mm
L2	1	160nH	XAL5030-161MEB	Coilcraft	Inductor, Shielded, Composite, 160 nH, 22.2 A, 0.00215 ohm, SMD	5.3x31.x5.5mm
Q1	1		CSD19534Q5A	Texas Instruments	MOSFET, N-CH, 100 V, 10 A, DQJ0008A (VSONP-8)	DQJ0008A
R12	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	603
R5, R6	2	4.7	CRCW06034R70JNEA	Vishay-Dale	RES, 4.7 ohm, 5%, 0.1W, 0603	603
R13, R19	2	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	603
R21	1	1.15k	CRCW06031K15FKEA	Vishay-Dale	RES, 1.15 k, 1%, 0.1 W, 0603	603
R14	1	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00k ohm, 1%, 0.1W, 0603	603
R22	1	5.23k	CRCW06035K23FKEA	Vishay-Dale	RES, 5.23 k, 1%, 0.1 W, 0603	603
R16	1	5.49k	CRCW06035K49FKEA	Vishay-Dale	RES, 5.49 k, 1%, 0.1 W, 0603	603
R15, R20	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	603
R18	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	603
R11	1	60.4k	CRCW060360K4FKEA	Vishay-Dale	RES, 60.4 k, 1%, 0.1 W, 0603	603
R17	1	68.1k	CRCW060368K1FKEA	Vishay-Dale	RES, 68.1 k, 1%, 0.1 W, 0603	603
R10	1	69.8k	CRCW060369K8FKEA	Vishay-Dale	RES, 69.8 k, 1%, 0.1 W, 0603	603
R7	0	DNP	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, 0603	603
R8	1	20	CRCW080520R0JNEA	Vishay-Dale	RES, 20 ohm, 5%, 0.125W, 0805	805
R1	1	10k	CRCW120610K0JNEA	Vishay-Dale	RES, 10k ohm, 5%, 0.25W, 1206	1206
R3	1	75	CRCW201075R0JNEF	Vishay-Dale	RES, 75, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R9	1	0.025	CSRN2512FK25L0	Stackpole Electronics Inc	RES, 0.025, 1%, 2 W, 2512	2512
R2, R4	2	15	CRCW251215R0JNEG	Vishay-Dale	RES, 15, 5%, 1 W, AEC-Q200 Grade 0, 2512	2512
T1	1		TG-UT38741S	Universal Microelectronics	Transformer, 15 uH, SMT	27.5x28mm
TP1, TP2	2		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP3, TP4	2		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U2	1		FOD817AS	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, SMT	DIP-4L Gullwing
U1	1		LM5022MM/NOPB	Texas Instruments	60V Low Side Controller for Boost and SEPIC, 10-pin MSOP, Pb-Free	MUB10A
U3	1		TL431AIDBZR	Texas Instruments	Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 3-pin SOT-23 (DBZ), Green (RoHS & no Sb/Br)	DBZ0003A

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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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