

11/17/2016

			PMP20541 REV B Bill of Materials			
Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C17, C26	2	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
C15	1	3300pF	GRM188R72A332KA01D	MuRata	CAP, CERM, 3300 pF, 100 V, +/- 10%, X7R, 0603	603
C25	1	4700pF	GRM188R71H472KA01D	MuRata	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, 0603	603
C16	1	0.022uF	GRM188R71H223KA01D	MuRata	CAP, CERM, 0.022 μF, 50 V, +/- 10%, X7R, 0603	603
C27	1	0.047uF	C1608X7R1H473K080AA	TDK	CAP, CERM, 0.047 μF, 50 V, +/- 10%, X7R, 0603	603
C22	1	0.22uF	C1608X7R1H224K080AB	TDK	CAP, CERM, 0.22 μF, 50 V, +/- 10%, X7R, 0603	603
C3, C8	2	0.1uF	C2012X7R2A104K125AA	TDK	CAP, CERM, 0.1 μF, 100 V, +/- 10%, X7R, 0805	805
C20, C23	2	0.47uF	C2012X7R1H474K125AB	TDK	CAP, CERM, 0.47 μF, 50 V, +/- 10%, X7R, 0805	805
C9 .	1	100pF	GRM21A5C2E101JW01D	MuRata	CAP, CERM, 100 pF, 250 V, +/- 5%, C0G/NP0, 0805	805
C14, C21, C28	3	1uF	GRM21BR71E105KA99L	MuRata	CAP, CERM, 1 μF, 25 V, +/- 10%, X7R, 0805	805
C10	1	150uF	20SVP150M	Panasonic	CAP, Aluminum Polymer, 150 µF, 20 V, +/- 20%, 0.02 ohm, 10x10.3 SMD	10x10.3
C11, C12, C13, C18, C19	5	10uF	C1210C106K3RACTU	Kemet	CAP, CERM, 10 µF, 25 V, +/- 10%, X7R, 1210	1210
C4, C5, C6, C7	4	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 µF, 100 V, +/- 10%, X7R, 1210	1210
C1, C24	2	4700pF	1812GC472KA1	AVX	CAP, CERM, 4700 pF, 2000 V, +/- 10%, X7R, 1812	1812
02	1	47uF	EEE-FK1J470P	Panasonic	CAP, AL, 47 µF, 63 V, +/- 20%, 0.65 ohm, SMD	SMT Radial F
D1	1		ES2DA-13-F	Diodes Inc.	Diode, Superfast Rectifier, 200 V, 2 A, SMA	SMA
D2, D3	2		MMSD4148T1G	ON Semiconductor	Diode, Switching, 100 V, 0.2 A, SOD-123	SOD-123
D4, D5, D6	3		BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23
I1, J2	2		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
	1	3.3uH	XFL4020-332MEB	Coilcraft	Inductor, Shielded, Composite, 3.3 µH, 2.9 A, 0.03 ohm, SMD	4x2x4mm
2	1	330nH	XAL5030-331MEB	Coilcraft	Inductor, Shielded, Composite, 330 nH, 19.2 A, 0.0032 ohm, SMD	5.3x31.x5.5mm
Q1	1		FDMS86252	Fairchild Semiconductor	MOSFET, N-CH, 150 V, 4.6 A, PQFN08A	PQFN08A
Q2, Q4	2		MMBT3906-7-F	Diodes Inc.	Transistor, PNP, 40 V, 0.2 A, SOT-23	SOT-23
Q3	1		CSD18534Q5A	Texas Instruments	MOSFET, N-CH, 60 V, 50 A, SON 5x6mm	SON 5x6mm
R8, R17, R22	3	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	603
R2	1	4.7	CRCW06034R70JNEA	Vishay-Dale	RES, 4.7, 5%, 0.1 W, 0603	603
R13	1	20	CRCW060320R0JNEA	Vishay-Dale	RES, 20, 5%, 0.1 W, 0603	603
R10, R11, R24	3	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	603
R21	1	1.50k	CRCW06031K50FKEA	Vishay-Dale	RES, 1.50 k, 1%, 0.1 W, 0603	603
R18	1 1	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.1 W, 0603	603
R25	1 1	2.61k	CRCW06032K61FKEA	Vishay-Dale	RES, 2.61 k, 1%, 0.1 W, 0603	603
R6	1	4.53k	CRCW06034K53FKEA	Vishay-Dale	RES, 4.53 k, 1%, 0.1 W, 0603	603
R20	1	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, 0603	603
R16, R19, R23	3	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	603
R15	1	49.9k	CRCW060349K9FKEA	Vishay-Dale Vishay-Dale	RES, 49.9k, 1%, 0.1W, 0603	603
R12	1	53.6k	CRCW060349K9FKEA	Vishay-Dale	RES, 53.6 k, 1%, 0.1 W, 0603	603
R14	1	82.5k	CRCW060353K0FKEA	Vishay-Dale Vishay-Dale	RES, 82.5k, 1%, 0.1W, 0603	603
R4	1	121k	CRCW0603121KFKEA	Vishay-Dale Vishay-Dale	RES, 121 k, 1%, 0.1 W, 0603	603
R5		20	CRCW080520R0JNEA	Vishay-Dale Vishay-Dale	RES, 20, 5%, 0.125 W, 0805	805
R1	1 1	39k	CRCW080520R0JNEA CRCW120639K0JNEA	Vishay-Dale Vishay-Dale	RES, 39 k, 5%, 0.125 W, 1806	1206
R7	1	0.05	CRM2010-FZ-R050ELF	Bourns	RES, 0.05, 1%, 1 W, 2010	2010
R3	1 1	75	CRCW201075R0JNEF		RES, 75, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
(3	1 1			Vishay-Dale		2512
	1	5.1	CRCW25125R10JNEG	Vishay-Dale	RES, 5.1, 5%, 1 W, AEC-Q200 Grade 0, 2512	
1	1 1		ATS-1410R-WNC	Atech OEM Inc	Transformer, 20.5 uH, SMT	22x22mm
2	1		PA0184NLT	Pulse Engineering	Transformer, Gate Drive, 1.2mH, SMT	9.02x7.62x8.64mm
J1	1		UCC2897APWR	Texas Instruments	Advanced Active Clamp PWM Controller with Current-Mode Control, -40 to	PW0020A

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U2	1		FOD817AS	Fairchild Semiconductor	Optocoupler, 5 kV, 80-160% CTR, SMT	DIP-4L Gullwing
U3	1		TL431AIDBVR		Adjustable Precision Shunt Regulator, 34 ppm / degC, 100 mA, -40 to 85 degC, 5-pin SOT-23 (DBV), Green (RoHS & no Sb/Br)	DBV0005A

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