

8/28/2017						
PMP10352 REV C Bill of Materials						
Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C13, C15, C19	3	100pF	C1608C0G1H101J	TDK	CAP, CERM, 100pF, 50V, +/-5%, COG/NPO, 0603	0603
C20	1	0.1uF	C1608X7R1E104K080AA	TDK	CAP, CERM, 0.1 uF, 25 V,+/- 10%, X7R, 0603	0603
C16, C22	2	0.22uF	C1608X7R1E224K080AC	TDK	CAP, CERM, 0.22 uF, 25 V,+/- 10%, X7R, 0603	0603
C17	1	1uF	C1608X7R1C105K080AC	TDK	CAP, CERM, 1 uF, 16 V,+/- 10%, X7R, 0603	0603
C3	1	100pF	GRM21A5C2E101JW01D	MuRata	CAP, CERM, 100 pF, 250 V, +/- 5%, COG/NPO, 0805	0805
C21	1	0.01uF	GRM21BR72E103KW03L	MuRata	CAP, CERM, 0.01 uF, 250 V,+/- 10%, X7R, 0805	0805
C18	1	0.047uF	C2012X7R2A473K125AA	TDK	CAP, CERM, 0.047 uF, 100 V,+/- 10%, X7R, 0805	0805
C14	1	0.1uF	C2012X7R2A104K125AA	TDK	CAP, CERM, 0.1 uF, 100 V,+/- 10%, X7R, 0805	0805
C4	1	0.22uF	C2012X7R1H224K	TDK	CAP, CERM, 0.22uF, 50V, +/-10%, X7R, 0805	0805
C5, C6	2	10uF	C3225X7R1E106K	TDK	CAP, CERM, 10uF, 25V, +/-20%, X7R, 1210	1210
C8, C9, C10, C11	4	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210
C1, C2	2	2200pF	C4532X7R3D222K	TDK	CAP, CERM, 2200pF, 2000V, +/-10%, X7R, 1812	1812
C7	1	100uF	EEE-FK1E101XP	Panasonic	CAP, AL, 100uF, 25V, +/-20%, 0.34 ohm, SMD	SMT Radial D8
C12	1	22uF	EEE-FK1J220XP	Panasonic	CAP, AL, 22uF, 63V, +/-20%, 1.2 ohm, SMD	SMT Radial D8
D1	1	50V	ES3AB-13-F	Diodes Inc.	Diode, Superfast Rectifier, 50V, 3A, SMB	SMB
D2	1	200V	ES2D-13-F	Diodes Inc.	Diode, Ultrafast, 200V, 2A, SMB	SMB
D4	1	9.1V	MMSZ5239B-7-F	Diodes Inc.	Diode, Zener, 9.1V, 500mW, SOD-123	SOD-123
D5, D6	2	100V	MMDL914-TP	Micro Commercial Component	Diode, Switching, 100V, 0.2A, SOD-323	SOD-323
D7	1	200V	ES1D-13-F	Diodes Inc.	Diode, Ultrafast, 200V, 1A, SMA	SMA
J1, J2	2		PEC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Tin, TH	Header, 2 PIN, 100mil, Tin
L1	1	1uH	XAL4020-102MEB	Coilcraft	Inductor, Shielded, Composite, 1uH, 8.75A, 0.01 ohm, SMD	4x2.1x4mm
L2	1	1uH	LPS4012-102NLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 1uH, 2.4A, 0.06 ohm, SMD	LPS4012
Q1	1	40V	CSD18504Q5A	Texas Instruments	MOSFET, N-CH, 40V, 15A, SON 5x6mm	SON 5x6mm
R12	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	0603
R4, R20	2	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, 0603	0603
R11	1	750	CRCW0603750RFKEA	Vishay-Dale	RES, 750, 1%, 0.1 W, 0603	0603
R6, R14	2	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	0603
R18	1	2.74k	CRCW06032K74FKEA	Vishay-Dale	RES, 2.74k ohm, 1%, 0.1W, 0603	0603
R9	1	3.32k	CRCW06033K32FKEA	Vishay-Dale	RES, 3.32k ohm, 1%, 0.1W, 0603	0603
R15	1	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99k ohm, 1%, 0.1W, 0603	0603
R17	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	0603
R5	1	23.7k	CRCW060323K7FKEA	Vishay-Dale	RES, 23.7k ohm, 1%, 0.1W, 0603	0603
R16	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9k ohm, 1%, 0.1W, 0603	0603
R13	1	82.5k	CRCW060382K5FKEA	Vishay-Dale	RES, 82.5k ohm, 1%, 0.1W, 0603	0603
R3, R10	2	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100k ohm, 1%, 0.1W, 0603, RES, 100 k, 1%, 0.1 W, 0603	0603
R1	1	24k	CRCW080524K0JNEA	Vishay-Dale	RES, 24k ohm, 5%, 0.125W, 0805	0805
R8	1	0.015	CSRN2010FK15L0	Stackpole Electronics Inc	RES, 0.015, 1%, 1 W, 2010	2010
R2	1	200	CRCW2010200RJNEF	Vishay-Dale	RES, 200 ohm, 5%, 0.75W, 2010	2010
R7	1	5.6k	CRCW20105K60JNEF	Vishay-Dale	RES, 5.6 k, 5%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R19	1	27k	CRCW251227K0JNEG	Vishay-Dale	RES, 27k ohm, 5%, 1W, 2512	2512
T1	1	10 uH	PA4191NL	Pulse Engineering	Transformer, 10 uH, SMT	SMD, 10-Leads, Body 13.44 x 13.44 mm, Pitch 2.5 mm
U2	1		HMHA2801A	Fairchild Semiconductor	Optocoupler, 3.75kV RMS, SMT	Mini Flat Package
U1	1		LM3481MM/NOPB	Texas Instruments	High Efficiency Low-Side N-Channel Controller for Switching Regulators, 10-pin MSOP	MUB10A
U3	1		TL431AIDBZ	Texas Instruments	PRECISION PROGRAMMABLE REFERENCE, DBZ0003A	DBZ0003A

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