PMP11420_RevC	_BOM.xlsx					
					TEXAS	S
3/15/2016					INICAL	RUMENT
			PMP11420 REV C Bill of Materials			
Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReferer
21	1	100pF	GRM1885C1H101JA01D	MuRata	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	603
12	1	470pF	C1608C0G1H471J	TDK	CAP, CERM, 470pF, 50V, +/-5%, C0G/NP0, 0603	603
22	1	1000pF	C1608X7R1H102K	TDK	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	603
14	1	4700pF	GRM188R71H472KA01D	MuRata	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, 0603	603
17, C18	2	0.01uF	C1608X7R1H103K	TDK	CAP, CERM, 0.01 μF, 50 V, +/- 10%, X7R, 0603	603
19	1	0.047uF	C1608X7R1E473K	TDK	CAP, CERM, 0.047 μF, 25 V, +/- 10%, X7R, 0603	603
23	1	0.068uF	GRM188R71E683KA01D	MuRata	CAP, CERM, 0.068 μF, 25 V, +/- 10%, X7R, 0603	603
5, C11, C25	3	0.1uF	C2012X7R2A104K125AA	TDK	CAP, CERM, 0.1 μF, 100 V, +/- 10%, X7R, 0805	805
20	1	100pF	GRM21A5C2E101JW01D	MuRata	CAP, CERM, 100 pF, 250 V, +/- 5%, C0G/NP0, 0805	805
10, C13, C24	3	1uF	C2012X7R1C105K	TDK	CAP, CERM, 1 µF, 16 V, +/- 10%, X7R, 0805	805
6, C7, C8	3	100uF	GRM32ER60J107ME20L	MuRata	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1210	1210
3, C4	2	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2uF, 100V, +/-10%, X7R, 1210	1210
1, C15	2	2200pF	C4532X7R3D222K	TDK	CAP, CERM, 2200 pF, 2000 V, +/- 10%, X7R, 1812	1812
9	1	330uF	6SVP330M	Panasonic	CAP, Aluminum Polymer, 330 μF, 6.3 V, +/- 20%, 0.025 ohm, 10x10.3 SMD	10x10.3
16	1	22uF	EEE-FK1C220R	Panasonic	CAP, AL, 22 μF, 16 V, +/- 20%, 0.7 ohm, SMD	SMT Radial C
2	1	22uF	EEE-FK2A220P	Panasonic	CAP, AL, 22uF, 100V, +/-20%, 1.3 ohm, SMD	SMT Radial F
1	1	-	ES2D-13-F	Diodes Inc.	Diode, Ultrafast, 200V, 2A, SMB	SMB
2, D3, D4, D5	4		MMSD4148T1G	ON Semiconductor	Diode, Switching, 100V, 0.2A, SOD-123	SOD-123
6	1		BAT54S-7-F	Diodes Inc.	Diode, Schottky, 30V, 0.2A, SOT-23	SOT-23
7	1		B340A-13-F	Diodes Inc.	Diode, Schottky, 40 V, 3 A, SMA	SMA
1, J2	2		ED555/2DS	OST	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	7.0x8.2x6.5mm
1	1	3.3uH	LPS4018-332MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 3.3uH, 1.9A, 0.08 ohm, SMD	LPS4018
<u>.</u> 2	1	330nH	XAL5030-331MEB	Coilcraft	Inductor, Shielded, Composite, 330 nH, 19.2 A, 0.0032 ohm, SMD	5.3x31.x5.5mm
<u>-</u> 1	1		CSD18504Q5A	Texas Instruments	MOSFET, N-CH, 40 V, 15 A, SON 5x6mm	SON 5x6mm
2	1		DXT2907A-13	Diodes Inc.	Transistor, PNP, 60V, 0.6A, SOT-89	SOT-89
3	1		FDMS86252	Fairchild Semiconductor	MOSFET, N-CH, 150 V, 4.6 A, PQFN08A	PQFN08A
14	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0 ohm, 5%, 0.1W, 0603	603
3	1	10	CRCW060310R0JNEA	Vishay-Dale	RES, 10, 5%, 0.1 W, 0603	603
10	1	49.9	CRCW060349R9FKEA	Vishav-Dale	RES, 49.9, 1%, 0.1 W, 0603	603
13	1	332	CRCW0603332RFKEA	Vishay-Dale	RES, 332 ohm, 1%, 0.1W, 0603	603
16	1	665	CRCW0603665RFKEA	Vishay-Dale	RES, 665, 1%, 0.1 W, 0603	603
11	1	750	CRCW0603750RFKEA	Vishay-Dale	RES, 750, 1%, 0.1 W, 0603	603
19	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00k ohm, 1%, 0.1W, 0603	603
20	1	3.24k	CRCW06033K24FKEA	Vishay-Dale	RES, 3.24 k, 1%, 0.1 W, 0603	603
8	1	3.83k	CRCW06033K83FKEA	Vishay-Dale	RES, 3.83 k, 1%, 0.1 W, 0603	603
6	+ ;	4.99k	CRCW06034K99FKEA	Vishay-Dale Vishay-Dale	RES, 4.99k ohm, 1%, 0.1W, 0603	603
17, R18	2	10.0k	CRCW06034R35FREA	Vishay-Dale Vishay-Dale	RES, 10.0k ohm, 1%, 0.1W, 0603	603
9	1	25.5k	CRCW060376K6FKEA	Vishay-Dale	RES, 25.5 k, 1%, 0.1 W, 0603	603
<u>5</u> 5	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	603
2	1 1	4.7	CRCW08054R7JNEA	Vishay-Dale	RES, 4.7 ohm, 5%, 0.125W, 0805	805
4	1 1	20	CRCW080520R0JNEA	Vishay-Dale Vishay-Dale	RES, 20 ohm, 5%, 0.125W, 0805	805
15, R21	2	0.27	ERJ-8RQFR27V	Panasonic	RES, 0.27, 1%, 0.25 W, 1206	1206
7	1	3.3	CRCW20103R30JNEF	Vishay-Dale	RES, 3.3, 5%, 0.75 W, 2010	2010
<u>7</u> 22	1	2.0k	CRCW20103K303NEF	Vishay-Dale Vishay-Dale	RES, 2.0 k, 5%, 0.75 W, 2010	2010
12	1	75	CRCW20102R003NE1	Vishay-Dale Vishay-Dale	RES, 75, 5%, 1 W, 2512	2512
1	1	30k	CRCW251273K03NEG	Vishay-Dale Vishay-Dale	RES, 30 k, 5%, 1 W, 2512	2512
1	1	35uH	PA4577NL	Pulse Engineering	Transformer, 35 uH, SMT	21.84x21.6mm
J2	1	JJuli	HMHA2801A	Fairchild Semiconductor	Optocoupler, 3.75kV RMS, SMT	Mini Flat Package

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U1	1		LM5020MM-1/NOPB	Texas Instruments	100V Current Mode PWM Controller, 10-pin MSOP, Pb-Free	MUB10A
U3	1		TLV431AIDBVRA		Low Voltage Adjustable Precision Shunt Regulator, 39 ppm / degC, 15 mA, 40 to 85 degC, 5-pin SOT-23 (DBV), Green (RoHS & no Sb/Br)	DBV0005A

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