







## PMP4915\_REVA BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C101	10uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	Std	Std
1	C102	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
1	C103	0.1 uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
1	C104	0.015uF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
1	C105	1000 pF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
1	C106	47 pF	Capacitor, Ceramic, 16V, X7R, 10%	0603	Std	Std
2	C107, C108	47 uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	Std	std
<del>-</del>						
6	C201, C303, C603, C701, C801, C901	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	Std	Std
4	C202, C702, C802,	0000-5	Oitas Oi- 50\/ \/7D 400\/	0000	044	014
4	C902 C203, C703, C803,	8200pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
4	C903	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
4	C204, C704, C804, C904	0.01uF	Capacitor, Ceramic, 25V, X7R, 10%	0603	Std	Std
4	C205, C705, C805, C905	47uF	Capacitor, Ceramic, 6.3V, X5R, 10%	1210	Std	Std
2	C301, C601	3300pF	Capacitor, Ceramic, Low Inductance, 50V, X7R, 10%	0603	std	std
2	C302, C602	1uF	Capacitor, Ceramic, Low Inductance, 16V, X7R, 20%	0603	std	std
2	C304, C604	0.1uF	Capacitor, Ceramic, Low Inductance, 16V, X7R, 20%	0603	std	std
2	C305, C605	47uF	Capacitor, Ceramic, 6.3V, X5R, 20%	1210	Std	std
2	C401, C501	0.056uF	Capacitor, SMD, 0603, X7R, 16V, 10%	0603	std	std
2	C402, C502	0.1 uF	Capacitor, Ceramic, 25V, X7R, 10%	0603	GRM39X7R104K25	muRata
4		U. I UF	Capacitor, Ceramic, 20V, A/R, 10%	0003	ONINDENT R 104N20	mur\ata
	C403, C411, C412,	00 5	0 " 0 : 00V VED 00V	1010		TDI
8	C413, C503, C511, C512, C513	22 uF	Capacitor, Ceramic, 6.3V, X5R, 20 %	1210	std	TDK
	C404, C410, C504,					
4	C510	10 uF	Capacitor, Ceramic, 6.3V, X5R, 20 %	1210	std	TDK
•		40 =	0 : 0 : 40 V V7D 000V	1010	000051/70454001/	TDI
2	C405, C505	10 uF	Capacitor, Ceramic, 16-V, X7R, 20%	1210	C3225X7R1E106K	TDK
2	C406, C506	180 pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	C1608C0G1H181JB	TDK
2	C407, C507	6800 pF	Capacitor, Ceramic, 50-V, X7R, 10%	0603	std	std
2	C408, C508	0.047 uF	Capacitor, Ceramic, 50-V, X5R, 10%	0603	C1608X5R1H473KB	TDK
2	C409, C509			0603		TDK
		3300 pF	Capacitor, Ceramic, 50V, X7R, 10%		std	
1	C651	1nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
2	C652, C653	22uF	Capacitor, Ceramic, 6.3V, X5R, 20%	0805	Std	Std
2	C654, C657	10uF	Capacitor, Ceramic, 6.3V, X5R, 20 %	0805	GRM40yyyxxxKvv	muRata
1	C655	10pF	Capacitor, Ceramic, 50V, NPO	0603	Std	Std
1	C656					Std
		0.1uF	Capacitor, Ceramic, Low Inductance, 16V, X7R, 20%	0603	Std	
1	D101	B240A	Diode, Schottky, 3A, 40V	SMA	B340A	Diodes Inc
4	J101, J102, J301, J601		Terminal Block, 2-pin, 15-A, 5.1mm	0.40 x 0.35""	ED1609	OST
5	J201, J651, J702, J802, J901	ED555/2DS	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	ED555/2DS	OST
2	J401, J501		Terminal Block, 2 pin, 6A, 3.5mm	0.27 x 0.25	ED1514	OST
		DTOOCCAAL				
2	J701, J801	PTC36SAAN	Header, Male 3-pin, 100mil spacing, (36-pin strip)	0.100 inch x 3	PTC36SAAN	Sullins
1			Inductor, SMT, 3.9A, 35 milliohm	0.402 x 0.394 inch	MSS1038-103NL	Coilcraft
	L101	10 uH	madator, corr, c.c., commercial	0.402 X 0.004 IIIOII		
4	L101 L201, L701, L801, L901	10 uH 3.3uH	Inductor, SMT, 7.8A, 10.4milliohm	0.402 sq inch	CDRH105RNP-3R3NC	Sumida
	L201, L701, L801, L901	3.3uH	Inductor, SMT, 7.8A, 10.4milliohm	0.402 sq inch		
4	L201, L701, L801, L901 L301	3.3uH 1.5uH	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm	0.402 sq inch 0.256 x 0.280 inch	SPM6530T-1R5M100	TDK
4 1 2	L201, L701, L801, L901 L301 L401, L501	3.3uH 1.5uH 4.7 uH	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch	SPM6530T-1R5M100 IHLP2525CZ-01	TDK Vishay
4 1 2 1	L201, L701, L801, L901 L301 L401, L501 L601	3.3uH 1.5uH 4.7 uH 2.2uH	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm Inductor, SMT, 8.2A, 19 milliohm	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch 0.256 x 0.280 inch	SPM6530T-1R5M100 IHLP2525CZ-01 SPM6530T-2R2M	TDK Vishay TDK
4 1 2	L201, L701, L801, L901 L301 L401, L501 L601 R101, R401, R501	3.3uH 1.5uH 4.7 uH	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch	SPM6530T-1R5M100 IHLP2525CZ-01	TDK Vishay
4 1 2 1 3	L201, L701, L801, L901 L301 L401, L501 L601 R101, R401, R501 R102, R105, R404,	3.3uH 1.5uH 4.7 uH 2.2uH 68.1k	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm Inductor, SMT, 8.2A, 19 milliohm Resistor, Chip, 1/16W, 1%	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch 0.256 x 0.280 inch 0603	SPM6530T-1R5M100 IHLP2525CZ-01 SPM6530T-2R2M Std	TDK Vishay TDK Std
4 1 2 1 3 4	L201, L701, L801, L901 L301 L401, L501 L601 R101, R401, R501 R102, R105, R404, R504	3.3uH 1.5uH 4.7 uH 2.2uH 68.1k 10k	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm Inductor, SMT, 8.2A, 19 milliohm Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch 0.256 x 0.280 inch 0603 0603	SPM6530T-1R5M100 IHLP2525CZ-01 SPM6530T-2R2M Std	TDK Vishay TDK Std
4 1 2 1 3 4	L201, L701, L801, L901 L301 L401, L501 L601 R101, R401, R501 R102, R105, R404, R504 R103	3.3uH 1.5uH 4.7 uH 2.2uH 68.1k 10k 29.4k	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm Inductor, SMT, 8.2A, 19 milliohm Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch 0.256 x 0.280 inch 0603 0603	SPM6530T-1R5M100 IHLP2525CZ-01 SPM6530T-2R2M Std Std Std	TDK Vishay TDK Std Std
4 1 2 1 3 4	L201, L701, L801, L901 L301 L401, L501 L601 R101, R401, R501 R102, R105, R404, R504	3.3uH 1.5uH 4.7 uH 2.2uH 68.1k 10k	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm Inductor, SMT, 8.2A, 19 milliohm Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch 0.256 x 0.280 inch 0603 0603	SPM6530T-1R5M100 IHLP2525CZ-01 SPM6530T-2R2M Std	TDK Vishay TDK Std
4 1 2 1 3 4	L201, L701, L801, L901 L301 L401, L501 L601 R101, R401, R501 R102, R105, R404, R504 R103 R104	3.3uH 1.5uH 4.7 uH 2.2uH 68.1k 10k 29.4k 49.9	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm Inductor, SMT, 8.2A, 19 milliohm Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch 0.256 x 0.280 inch 0603 0603 0603	SPM6530T-1R5M100 IHLP2525CZ-01 SPM6530T-2R2M Std Std Std Std	TDK Vishay TDK Std Std Std Std Std
4 1 2 1 3 4 1	L201, L701, L801, L901 L301 L401, L501 L601 R101, R401, R501 R102, R105, R404, R504 R103 R104 R106 R201, R701, R801,	3.3uH 1.5uH 4.7 uH 2.2uH 68.1k 10k 29.4k	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm Inductor, SMT, 8.2A, 19 milliohm Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1% Resistor, Chip, 1/16W, 1%	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch 0.256 x 0.280 inch 0603 0603	SPM6530T-1R5M100 IHLP2525CZ-01 SPM6530T-2R2M Std Std Std	TDK Vishay TDK Std Std
4 1 2 1 3 4 1 1 1 1	L201, L701, L801, L901 L301 L401, L501 L601 R101, R401, R501 R102, R105, R404, R504 R103 R104 R106	3.3uH 1.5uH 4.7 uH 2.2uH 68.1k 10k 29.4k 49.9 1.91k	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm Inductor, SMT, 8.2A, 19 milliohm Resistor, Chip, 1/16W, 1%	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch 0.256 x 0.280 inch 0603 0603 0603 0603 0603 0603	SPM6530T-1R5M100 IHLP2525CZ-01 SPM6530T-2R2M Std Std Std Std Std Std Std	TDK Vishay TDK Std Std Std Std Std Std
4 1 2 1 3 4 1 1 1 1 4	L201, L701, L801, L901 L301 L401, L501 L601 R101, R401, R501 R102, R105, R404, R504 R103 R104 R106 R201, R701, R801, R801 R202, R702, R802,	3.3uH 1.5uH 4.7 uH 2.2uH 68.1k 10k 29.4k 49.9 1.91k 147k 20k	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm Inductor, SMT, 8.2A, 19 milliohm Resistor, Chip, 1/16W, 1%	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch 0.256 x 0.280 inch 0603 0603 0603 0603 0603 0603	SPM6530T-1R5M100 IHLP2525CZ-01 SPM6530T-2R2M Std Std Std Std Std Std Std Std	TDK Vishay TDK Std Std Std Std Std Std Std
4 1 2 1 3 4 1 1 1 1	L201, L701, L801, L901 L301 L401, L501 L601 R101, R401, R501 R102, R105, R404, R504 R103 R104 R106 R201, R701, R801, R901 R202, R702, R802,	3.3uH 1.5uH 4.7 uH 2.2uH 68.1k 10k 29.4k 49.9 1.91k	Inductor, SMT, 7.8A, 10.4milliohm Inductor, SMT, 11A, 10.67 milliohm Inductor, SMT, 5.5A, 40milliohm Inductor, SMT, 8.2A, 19 milliohm Resistor, Chip, 1/16W, 1%	0.402 sq inch 0.256 x 0.280 inch 0.255 x 0.270 inch 0.256 x 0.280 inch 0603 0603 0603 0603 0603 0603	SPM6530T-1R5M100 IHLP2525CZ-01 SPM6530T-2R2M Std Std Std Std Std Std Std	TDK Vishay TDK Std Std Std Std Std Std

4	R205, R705, R805,	453	Resistor, Chip, 1/16W, 1%	0603	Std	Std
•	R905	100	reductor, omp, miorr, 170	0000	0.0	O.G
	R206, R706, R806,	20.01-	Di-t Ohi- 4/40/M/ 40/	0000	014	Ot d
4	R906	30.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R207, R707, R807,					
4	R907	10.0K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
		405	D : 1 01: 1/10/1/ 10/	0000		
1	R301	165	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R302	12.4k	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R303, R603	22.1k	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R402, R502	4.53k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R403, R503	28.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R405, R505	340	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R406, R506	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R601	232	Resistor, Chip, 1/16W, 1%	0603	std	std
1	R602	21k	Resistor, Chip, 1/16W, 1%	0603	std	std
2	R651, R652	10K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R653	10	Resistor, Chip, 1/16W, 5%	0603	Std	Std
2	R654, R655	100K	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R708, R808	14.7k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	SH651		Short jumper	0000	0.0	ota
·		HTSSOP-14	Short jumper			
Switcher W/ Integrated FET"		H1550P-14				
	TP101, TP103,					
	TP104, TP201,				5000	Keystone
	TP204, TP205,					
	TP206, TP301,					
	TP304, TP305,					
	TP401, TP403,					
	TP404, TP405,					
	TP501, TP503,	5000				
33	TP504, TP505,		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch		
	TP601, TP604,					
	TP605, TP701,					
	TP704, TP705,					
	TP706, TP801,					
	TP804, TP805,					
	TP806, TP901,					
	TP904, TP905,					
	TP906					
	TP102, TP105,	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch		Keystone
22	TP202, TP203,					
	TP207, TP302,					
	TP306, TP402,					
	TP406, TP502,					
	TP506, TP602,				5001	
	TP606, TP702,					
	TP703, TP707,					
	TP802, TP803,					
	TP807, TP902,					
	TP903, TP907					
2		5015	5015	Toot Doint CMT	Vavatana	0.105 x 0.040 inch
2	TP303, TP603	5015	5015	Test Point, SMT	Keystone	0.105 X 0.040 INCH
4	TP651, TP652,	5012	Test Point, White, Thru Hole	0.125 x 0.125 inch	5012	Keystone
•	TP654, TP656	00.12	Toot Form, Trinto, Tina Flore	0.120 x 0.120 mon	00.2	Nojotono
3	TP653, TP655,	5011	Toot Doint Blook Thru Holo	0 10E v 0 10E inch	E011	Vaustana
3	TP658	5011	Test Point, Black, Thru Hole	0.125 x 0.125 inch	5011	Keystone
1	TP657	5010	Test Point, Red, Thru Hole	0.125 x 0.125 inch	5010	Keystone
i	U101	TPS54231D	IC, DC-DC Converter, 28V, 2A	SO-8	TPS54231D	TI
1		1F304231D	IO, DO-DO CONVENEN, 20V, 2A	00-0	11 0042010	11
4	U201, U701, U801,	TPS54620RGY	TPS54620RGY	IC, 1.6V-17V Synchi	r(TI	3.5mm x 3.3mm QFN14
	U901			., Jynon		
2	U301	TPS54325PWP	IC, 3-A Output Single Sync. Step-Down		TPS54325PWP	
2	U401, U501	TPS54317RHF	IC, IFET Power Controller, AdjV, 3A	QFN-24	TPS54317RHF	TI
1	U651	TPS51200DRC	IC, Sink/Source DDR Termination Regulator	DRC	TPS51200DRC	TI
			· · · · · · · · · · · · · · · · · · ·			

Notes:

- These assemblies are ESD sensitive, ESD precautions shall be observed.
   These assemblies must be clean and free from flux and all contaminants.
- Use of no clean flux is not acceptable.

  3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.

  4. Ref designators marked with an asterisk ("") cannot be substituted.

  All other components can be substituted with equivalent MFG's components.

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