

## PMP5538REVB BOM

RefDes	Value	Description	Size	Part Number	Mfr
C1	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C2	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	Std	Std
C3	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	Std	Std
C4	4700pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C5	330uF	Capacitor, Elko		Std	Std
C6	3 x 100uF	Capacitor, Ceramic, 6.3V, X7R, 20%	1210	Std	Std
C7	68nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C8	1500pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C9	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C10	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C11	1800pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
C12	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C13	open	Capacitor, Ceramic, 16V, X7R, 20%	1210	Std	Std
C14	68nF	Capacitor, Ceramic, 50V, X7R, 10%		Std	Std
C15	330uF	Capacitor,		Std	Std
C16	100uF	Capacitor, Ceramic		Std	Std
C18	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C19	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C20	2700pF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
C21	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	Std	Std
C22	open	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C23	22uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	Std	Std
C24	4.7uF	Capacitor, Ceramic,	0805	Std	Std
C25	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C26	47pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C27	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C30	4.7uF	Capacitor, Ceramic, 10V, X5R, 20%	0805	Std	Std
C33	10nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C34	open	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C35	100uF	Capacitor, Ceramic	1210	Std	Std
C37	330uF	Capacitor,		Std	Std
C39	33nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C40	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std

C41	10uF	Capacitor, Ceramic, 16V, X7R, 20%	1210	Std	Std
C43	1.5nF	Capacitor, Ceramic, 50V, C0G, 5%	0603	Std	Std
C44	100nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
C45	1.5nF	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std
D1	MBR0530	Diode, Schottky, 0.5A, 30V	SOD123	Std	Std
D3	MBRA130	Diode, Schottky	SMA	Std	Std
D4	MBRA130	Diode, Schottky	SMA	Std	Std
D5	MBR0530	Diode, Schottky, 0.5A, 30V	SOD123	Std	Std
D9	MBRA130	Diode, Schottky	SMA	Std	Std
D10	MBR0530	Diode, Schottky, 0.5A, 30V	SOD123	Std	Std
J1		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25"	Std	Std
J2		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25"	Std	Std
J3		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25"	Std	Std
J5		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25"	Std	Std
J6		Header, Male 4-pin, 100mil spacing,	0.100 inch x 4	Std	Sullins
JP1		Header, 2-pin, 100mil spacing	0.100 inch x 2	Std	Sullins
L1	4.7uH	Inductor, SMT		Std	Coilcraft
L2	6.8uH	Inductor, SMT		Std	Coilcraft
L3	10uH	Inductor, SMT		Std	Coilcraft
Q1	SI7998P		SO-8	Std	Vishay
Q2	SI7998P		SO-8	Std	Vishay
Q4	SI7998P		SO-8	Std	Vishay
R1	49	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R2	5.1	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R3	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R4	200	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R5	49	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R6	6.34k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R7	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R8	1.82k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R9	24.3k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R10	3.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R11	715	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R12	8.87k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R13	1.82k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R14	5.1	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R16	10	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R17	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R18	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std

R21	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R22		Resistor, Chip, 1/16W, 1%	0603	Std	Std
R29		Resistor, Chip, 1/16W, 1%	0603	Std	Std
R30	5.1	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R31	3.01k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R32	3.09k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R33	56.2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R34	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R35	49	Resistor, Chip, 1/16W, 1%	0603	Std	Std
R36	715	Resistor, Chip, 1/16W, 1%	0603	Std	Std
TP1		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	Std	Keystone
TP2		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	Std	Keystone
TP3		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	Std	Keystone
TP4		Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	Std	Keystone
TP5		Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	Std	Keystone
TP6		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	Std	Keystone
TP7		Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	Std	Keystone
TP8		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	Std	Keystone
TP9		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	Std	Keystone
TP10		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	Std	Keystone
TP11		Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	Std	Keystone
TP12		Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	Std	Keystone
TP13		Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	Std	Keystone
TP14		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	Std	Keystone
TP15		Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100	Std	Keystone
U1		IC, Triple Synchronous Buck Controller With NMOS LDO Controller	PT-48	TPS5130PT	Texas Instruments

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