

PMP354 Rev C Bill Of Materials

2/19/03

RefDes	Part Number	Description	MFR
C1	C3225X5R1H335M	Capacitor, Ceramic, 3.3-uF, 50-V, X5R, 20%, 1210	TDK
C10	Std	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 0603	Std
C11	Std	Capacitor, Ceramic, 0.01-uF, 50-V, X7R, 0603	Std
C12	JMK325BJ226MM	Capacitor, Ceramic, 22-uF, 6.3-V, [temp], [tol]	Taiyo Yuden
C13	EEVFK0J221P	Capacitor, Aluminum, 220uF, 6.3V, 20%, FK Series	Panasonic
C14	JMK325BJ226MM	Capacitor, Ceramic, 22-uF, 6.3-V, [temp], [tol]	Taiyo Yuden
C15	EEVFK0J221P	Capacitor, Aluminum, 220uF, 6.3V, 20%, FK Series	Panasonic
C16	Std	Capacitor, Ceramic, 1uF, 16V, X7R, 0805	Std
C17	Std	Capacitor, Ceramic, 1500pF, 50V, X7R, 0603	Std
C18	Std	Capacitor, Ceramic, 0.01uF, 25V, X7R, 0603	Std
C19	Std	Capacitor, Ceramic, 10pF, 50V, X7R, 0603	Std
C2	Std	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 0603	Std
C20	GRM40X7R105K16PT	Capacitor, Ceramic, 1uF, 16V, [temp], [tol]	muRata
C21	EEVFK0J221P	Capacitor, Aluminum, 220uF, 6.3V, 20%, FK Series	Panasonic
C22	C3225X5R1H335M	Capacitor, Ceramic, 3.3-uF, 50-V, X5R, 20%, 1210	TDK
C23	C3225X5R1H335M	Capacitor, Ceramic, 3.3-uF, 50-V, X5R, 20%, 1210	TDK
C24	Std	Capacitor, Ceramic, 220pF, 50V, X7R, 0603	Std
C25	Std	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 0603	Std
C26	Std	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 0603	Std
C27	Std	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 0603	Std
C28	Std	Capacitor, Ceramic, 0.01-uF, 50-V, X7R, 0603	Std
C29	GRM32ER61C106K	Capacitor, Ceramic, 10-uF, 16-V, [X5R], [10%]	Mu Rata
C3	EEVFK1H221P	Capacitor, Aluminum, SM, 220-uF, 50-V, FK series	Panasonic
C30	EEV-FK1A331P	Capacitor, Aluminum, 330-uF, 10-V, 20%, FK Series	PANASONIC
C31	GRM32ER61C106K	Capacitor, Ceramic, 10-uF, 16-V, [X5R], [10%]	Mu Rata
C32	EEV-FK1A331P	Capacitor, Aluminum, 330-uF, 10-V, 20%, FK Series	PANASONIC
C33	Std	Capacitor, Ceramic, 1500pF, 50V, X7R, 0603	Std
C34	Std	Capacitor, Ceramic, 0.01uF, 25V, X7R, 0603	Std
C35	Std	Capacitor, Ceramic, 1uF, 16V, X7R, 0805	Std
C36	Std	Capacitor, Ceramic, 10pF, 50V, X7R, 0603	Std
C37	GRM32ER61C106K	Capacitor, Ceramic, 10-uF, 16-V, [X5R], [10%]	Mu Rata
C38	Std	Capacitor, Ceramic, 0.01-uF, 50-V, X7R, 0603	Std
C39	Std	Capacitor, Ceramic, 680pF, 50V, X7R, 0603	Std
C4	C3225X5R1H335M	Capacitor, Ceramic, 3.3-uF, 50-V, X5R, 20%, 1210	TDK
C40	Std	Capacitor, Ceramic, 1uF, 16V, X7R, 0805	Std
C41	EEV-FK1A331P	Capacitor, Aluminum, 330-uF, 10-V, 20%, FK Series	PANASONIC
C42	GRM32ER61C106K	Capacitor, Ceramic, 10-uF, 16-V, [X5R], [10%]	Mu Rata
C43	EEV-FK1A331P	Capacitor, Aluminum, 330-uF, 10-V, 20%, FK Series	PANASONIC
C44	GRM32ER61C106K	Capacitor, Ceramic, 10-uF, 16-V, [X5R], [10%]	Mu Rata
C45	Std	Capacitor, Ceramic, 220pF, 50V, X7R, 0603	Std
C46	Std	Capacitor, Ceramic, OPEN, 0603	Std
C47	Std	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 0603	Std
C48	Std	Capacitor, Ceramic, 0.01uF, 25V, X7R, 0603	Std
C49	Std	Capacitor, Ceramic, 0.01uF, 25V, X7R, 0603	Std
C5	C3225X5R1H335M	Capacitor, Ceramic, 3.3-uF, 50-V, X5R, 20%, 1210	TDK
C50	Std	Capacitor, Ceramic, OPEN, 0603	Std
C51	Std	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 0603	Std
C6	Std	Capacitor, Ceramic, 220pF, 50V, X7R, 0603	Std
C7	Std	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 0603	Std
C8	Std	Capacitor, Ceramic, 1000pF, 50-V, X7R	Std
C9	Std	Capacitor, Ceramic, 0.1-uF, 50-V, X7R, 0603	Std
D1	BZX84CxxT	Diode, Zener, xx-V, 350-mW	Diodes, Inc.
D10	BAS16	Diode, Switching, 10-mA, 85-V, 350-mW	Vishay-Liteon
D2	{Part Number}	Diode, Schottky, xx-mA, yy-V	xxx
D3	BZX84CxxT	Diode, Zener, xx-V, 350-mW	Diodes, Inc.
D4	MURS320T3	Diode, 3A, 200V	ON
D5	MURS320T3	Diode, 3A, 200V	ON
D6	MURS320T3	Diode, 3A, 200V	ON
D7	{Part Number}	Diode, Schottky, xx-mA, yy-V	xxx
D8	MBRS340T3	Diode, Schottky, 3-A, 40-V	On Semi
D9	BAS16	Diode, Switching, 10-mA, 85-V, 350-mW	Vishay-Liteon
F1	154.XXX	Fuse Holder	Littelfuse
J1	ED1515	Terminal Block, 3-pin, 6-A, 3.5mm	OST
J2	ED1515	Terminal Block, 3-pin, 6-A, 3.5mm	OST
J3	ED1515	Terminal Block, 3-pin, 6-A, 3.5mm	OST
J4	ED1515	Terminal Block, 3-pin, 6-A, 3.5mm	OST
J5	ED1515	Terminal Block, 3-pin, 6-A, 3.5mm	OST
L1	DO5022-223	Inductor, SMT, 22-uH, 3.5-A, zz-milliohm	Coilcraft
L2	DS5022P-103	Inductor, SMT, xx-uH, yy-A, zz-milliohm	Coilcraft
L3	DO3316P-472	Inductor, SMT, 4.7-uH, 4.5-A, zz-milliohm	Coilcraft
L4	DS5022P-223	Inductor, SMT, xx-uH, yy-A, zz-milliohm	Coilcraft
L5	DS5022P-223	Inductor, SMT, xx-uH, yy-A, zz-milliohm	Coilcraft
L6	DO3316P-472	Inductor, SMT, 4.7-uH, 4.5-A, zz-milliohm	Coilcraft

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RefDes	Part Number	Description	MFR
L7	CEP123-4R6	Inductor, SM, 4.6uH, 5.2A, 17 milliohms	Sumida
L8	DS5022P-103	Inductor, SMT, xx-uH, yy-A, zz-milliohm	Coilcraft
Q1	IRF7478	MOSFET, N-ch, 60-V, yy-A, 30-milliohms	xxx
Q10	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	Vishay-Liteon
Q11	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	Vishay-Liteon
Q12	MMBT3906LT1	Bipolar, PNP, SOT23	On Semi
Q13	MCR704A	Diode, SCR 200-V, 4A	OnSemi
Q14	MCR704A	Diode, SCR 200-V, 4A	OnSemi
Q15	MMBT3906LT1	Bipolar, PNP, SOT23	On Semi
Q2	IRF7478	MOSFET, N-ch, 60-V, yy-A, 30-milliohms	xxx
Q3	IRF7478	MOSFET, N-ch, 60-V, yy-A, 30-milliohms	xxx
Q4	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	Vishay-Liteon
Q5	IRF7478	MOSFET, N-ch, 60-V, yy-A, 30-milliohms	xxx
Q6	IRF7478	MOSFET, N-ch, 60-V, yy-A, 30-milliohms	xxx
Q7	IRF7478	MOSFET, N-ch, 60-V, yy-A, 30-milliohms	xxx
Q8	2N7002DICT	MOSFET, N-ch, 60-V, 115-mA, 1.2-Ohms	Vishay-Liteon
Q9	Si4835DY	MOSFET, P-ch, -30V, 8A, 19milliohm	Siliconix
R1	Std	Resistor, Chip, 191k, 1%, 0603	Std
R10	Std	Resistor, Chip, 0, 1%, 0603	Std
R11	Std	Resistor, Chip, 37.4K, 1%, 0603	Std
R12	Std	Resistor, Chip, 10.0K, 1%, 0603	Std
R13	Std	Resistor, Chip, 49.9, 1%, 0603	Std
R14	Std	Resistor, Chip, 249, 1%, 0603	Std
R15	Std	Resistor, Chip, 110 Ohms, 1/16-W	Std
R16	Std	Resistor, Chip, 191k, 1%, 0603	Std
R17	Std	Resistor, Chip, 49.9K, 1%, 0603	Std
R18	Std	Resistor, Chip, 255K, 1%, 0603	Std
R19	Std	Resistor, Chip, 3-Ohms, 1%, 0805	Std
R2	Std	Resistor, Chip, 15K-Ohms, 1/8-W, yy%	Std
R20	Std	Resistor, Chip, 1K, 1%, 0603	Std
R21	Std	Resistor, Chip, 37.4k, 1%, 0603	Std
R22	Std	Resistor, Chip, 37.4K, 1%, 0603	Std
R23	Std	Resistor, Chip, 4.12K, 1%, 0603	Std
R24	Std	Resistor, Chip, 49.9, 1%, 0603	Std
R25	Std	Resistor, Chip, 0, 1%, 0603	Std
R26	Std	Resistor, Chip, 1.40K-Ohms, 1/16-W, 1%	Std
R27	Std	Resistor, Chip, 41.2K-Ohms, 1/16-W, 1%	Std
R28	Std	Resistor, Chip, 0.033 Ohms, 0.1W	Std
R29	Std	Resistor, Chip, 150K-Ohms, 1/16-W	Std
R3	Std	Resistor, Chip, 15K-Ohms, 1/8-W, yy%	Std
R30	Std	Resistor, Chip, 100K Ohms, 1/16-W, 1%	Std
R31	Std	Resistor, Chip, 49.9, 1%, 0603	Std
R32	Std	Resistor, Chip, 10.0K, 1%, 0603	Std
R33	Std	Resistor, Chip, 1M, 1%, 0603	Std
R34	Std	Resistor, Chip, 10.0K, 1%, 0603	Std
R35	Std	Resistor, Chip, 1M, 1%, 0603	Std
R36	Std	Resistor, Chip, 1M, 1%, 0603	Std
R37	Std	Resistor, Chip, 1M, 1%, 0603	Std
R38	Std	Resistor, Chip, 750, 1%, 0603	Std
R39	Std	Resistor, Chip, 4.42k, 1%, 0603	Std
R4	Std	Resistor, Chip, 37.4K, 1%, 0603	Std
R40	Std	Resistor, Chip, 10.0k, 1%, 0603	Std
R41	Std	Resistor, Chip, 10.0k, 1%, 0603	Std
R42	Std	Resistor, Chip, 5.90K, 1%, 0603	Std
R43	Std	Resistor, Chip, 25.5k, 1%, 0603	Std
R44	Std	Resistor, Chip, 10.0K, 1%, 0603	Std
R45	Std	Resistor, Chip, 10.0K, 1%, 0603	Std
R46	Std	Resistor, Chip, 1M, 1%, 0603	Std
R47	Std	Resistor, Chip, 137 K, 1%, 0603	Std
R48	Std	Resistor, Chip, 1M, 1%, 0603	Std
R49	Std	Resistor, Chip, 1M, 1%, 0603	Std
R5	Std	Resistor, Chip, 255K, 1%, 0603	Std
R50	Std	Resistor, Chip, 10.0k, 1%, 0603	Std
R51	Std	Resistor, Chip, 332 Ohms, 1%, 0603	Std
R52	Std	Resistor, Chip, 10.0K, 1%, 0603	Std
R53	Std	Resistor, Chip, 10.0k, 1%, 0603	Std
R54	Std	Resistor, Chip, 2.05k, 1%, 0603	Std
R55	Std	Resistor, Chip, 10.0K, 1%, 0603	Std
R56	Std	Resistor, Chip, 301K, 1%, 0603	Std
R57	Std	Resistor, Chip, 75K, 1%, 0603	Std
R58	Std	Resistor, Chip, 499K, 1%, 0603	Std
R59	Std	Resistor, Chip, 10.0K, 1%, 0603	Std
R6	Std	Resistor, Chip, 3-Ohms, 1%, 0805	Std

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RefDes	Part Number	Description	MFR
R62	Std	Resistor, Chip, 10.0k, 1%, 0603	Std
R63	Std	Resistor, Chip, 68.1k, 1%, 0603	Std
R64	Std	Resistor, Chip, 68.1K, 1%, 0603	Std
R65	Std	Resistor, Chip, 10.0k, 1%, 0603	Std
R66	Std	Resistor, Chip, 0, 1%, 0603	Std
R67	Std	Resistor, Chip, OPEN, 1%, 0603	Std
R68	Std	Resistor, Chip, OPEN, 1%, 0603	Std
R69	Std	Resistor, Chip, 100K, 1%, 0603	Std
R7	Std	Resistor, Chip, 30.1k, 1%, 0603	Std
R70	Std	Resistor, Chip, 100K, 1%, 0603	Std
R71	Std	Resistor, Chip, 54.9K, 1%, 0603	Std
R72	Std	Resistor, Chip, 10.0k, 1%, 0603	Std
R73	Std	Resistor, Chip, 54.9k, 1%, 0603	Std
R74	Std	Resistor, Chip, OPEN, 1%, 0603	Std
R75	Std	Resistor, Chip, 0, 1%, 0603	Std
R76	Std	Resistor, Chip, 10.0k, 1%, 0603	Std
R77	Std	Resistor, Chip, OPEN, 1%, 0603	Std
R78	Std	Resistor, Chip, 4.53k, 1%, 0603	Std
R79	Std	Resistor, Chip, 0, 1%, 0603	Std
R8	Std	Resistor, Chip, 1K, 1%, 0603	Std
R80	Std	Resistor, Chip, 10.0k, 1%, 0603	Std
R81	Std	Resistor, Chip, 1k, 1%, 0603	Std
R82	Std	Resistor, Chip, 10k, 1%, 0603	Std
R83	Std	Resistor, Chip, 10k, 1%, 0603	Std
R84	Std	Resistor, Chip, 1k, 1%, 0603	Std
R85	Std	Resistor, Chip, OPEN, 1%, 0603	Std
R86	Std	Resistor, Chip, OPEN, 1%, 0603	Std
R87	NPR2TER03J	Resistor, 0.03 Ohm, 2 Watt, 1%	KOA
R88	NPR2TER03J	Resistor, 0.03 Ohm, 2 Watt, 1%	KOA
R89	Std	Resistor, Chip, 10k, 1%, 0603	Std
R9	Std	Resistor, Chip, 37.4k, 1%, 0603	Std
R90	Std	Resistor, Chip, 1k, 1%, 0603	Std
R91	Std	Resistor, Chip, 1.74k, 1%, 0603	Std
R92	Std	Resistor, Chip, 10k, 1%, 0603	Std
R93	Std	Resistor, Chip, 0, 1%, 0603	Std
R94	Std	Resistor, Chip, 10.0k, 1%, 0603	Std
R95	Std	Resistor, Chip, 1k, 1%, 0603	Std
TP1	240-345	Test Point, Red, 1mm	Farnell
TP10	240-333	Test Point, Black, 1mm	Farnell
TP11	240-345	Test Point, Red, 1mm	Farnell
TP12	240-345	Test Point, Red, 1mm	Farnell
TP13	240-345	Test Point, Red, 1mm	Farnell
TP14	240-333	Test Point, Black, 1mm	Farnell
TP15	240-345	Test Point, Red, 1mm	Farnell
TP16	240-345	Test Point, Red, 1mm	Farnell
TP2	240-333	Test Point, Black, 1mm	Farnell
TP3	240-345	Test Point, Red, 1mm	Farnell
TP4	240-345	Test Point, Red, 1mm	Farnell
TP5	240-333	Test Point, Black, 1mm	Farnell
TP6	240-345	Test Point, Red, 1mm	Farnell
TP7	240-345	Test Point, Red, 1mm	Farnell
TP8	240-345	Test Point, Red, 1mm	Farnell
TP9	240-345	Test Point, Red, 1mm	Farnell
U1	TPS40051PWP	IC, Wide Input Synchronuos Buck Controller, 10-40 V Input	Texas Instruments
U10	TLV431ACDBVR	IC, Shunt Regulator, 1.24-V ref, 6-V, 10-mA, 1%	TI
U11	TLV431ACDBVR	IC, Shunt Regulator, 1.24-V ref, 6-V, 10-mA, 1%	TI
U2	TLV431ACDBVR	IC, Shunt Regulator, 1.24-V ref, 6-V, 10-mA, 1%	TI
U3	REG1117FA	IC, LDO, Regulator, Positive, Adj., 1A	TI
U4	TPS40051PWP	IC, Wide Input Synchronuos Buck Controller, 10-40 V Input	Texas Instruments
U5	LM2904D	IC, Dual Operational Amplifiers	TI
U6	TLC339ID	IC, LinCMOS Micropower Quad Comparator	TI
U7	TLC339ID	IC, LinCMOS Micropower Quad Comparator	TI
U8	UC2572D	IC, Pulse Width Modulator, Negative Flyback	Texas Instruments
U9	LM2904D	IC, Dual Operational Amplifiers	TI

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