

Filename: PMP1941_REV BOM.xls

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PMP1941_REV BOM

COUNT	RefDes	Description	Size	MFR	Part Number
1	C6	Capacitor, Ceramic, 0.01uF, 16V, X7R	603	TDK	Std
1	C13	Capacitor, Ceramic, 0.022uF, 25V, X7R	603	TDK	Std
1	C25	Capacitor, Ceramic, 0.047uF, 25V, X5R, 20%	603	TDK	Std
6	C17, C19, C20, C22, C33, C38	Capacitor, Ceramic, 0.1uF, 16V, X7R, 15%	603	TDK	Std
3	C3, C29, C32	Capacitor, Ceramic, 0.1uF, 50V, X7R, 15%	603	TDK	Std
1	C36	Capacitor, Ceramic, 1000pF, 50V, X7R	603	TDK	Std
2	C11, C26	Capacitor, Ceramic, 100-pF, 50-V, NPO, 15%	603	TDK	Std
4	C14, C15, C23, C28	Capacitor, Ceramic, 1uF, 16V, X7R	603	TDK	Std
1	C16	Capacitor, Ceramic, 220pF, 50V, NPO, 5%	603	TDK	Std
1	C37	Capacitor, Ceramic, 2700-pF, 25-V, NPO, 15%	603	TDK	Std
1	C30	Capacitor, Ceramic, 27pF, 50-V, NPO, 15%	603	TDK	Std
1	C24	Capacitor, Ceramic, 3300pF, 25V, X7R, 15%	603	TDK	Std
1	C39	Capacitor, Ceramic, 330-pF, 50-V, X7R, 15%	603	TDK	Std
1	C21	Capacitor, Ceramic, 390pF, 50V, NPO, 15%	603	TDK	Std
1	C31	Capacitor, Ceramic, 4700-pF, 25V, X7R, 15%	603	TDK	Std
1	C35	Capacitor, Ceramic, 47pF, 50-V, NPO, 15%	603	TDK	Std
2	C5, C8	Capacitor, Ceramic, 0.1uF, 100V, X7R, 20%	1206	TDK	C3216X7R2A104M
2	C4, C7	Capacitor, Ceramic, 0.47uF, 100V, X7R, 20%	1206	TDK	C3216X7R2A474M
1	C34	Capacitor, Ceramic, 22uF, 6.3V, X5R, 20%	1206	TDK	C3216X5R0J226M
1	C12	Capacitor, Alum, 10uF, 35V, 0.7 Ohms, 20%	0.201"x0.262"	Panasonic	EEEFK1V100R
1	C100	Capacitor, Alum, 220uF, 6.3V, 0.36 Ohms, ±20%	0.260"x0.276"	Panasonic	EEVFK0J221P
5	C1, C2, C9, C10, C27	Capacitor, Alum, 330uF, 35V, 0.85Arms, 20%	0.457"x0.406"	Panasonic	EEVFK1V331P
1	D3	Diode, Rectifier, 1A, 600V	SMA	Diodes Inc.	US1J
1	D1	Diode, Rectifier, 1A, 800V	SMA	Diodes Inc.	US1K
2	D5, D12	Diode, Rectifier, 50V, 1A	SMB	Diodes Inc.	B150B
1	D8	Diode, Schottky, 3-A, 60-V	SMC	Diodes Inc.	B360
4	D4, D7, D13, D100	Diode, Switching, 100-V, 200-mA, 225-mW,	SOD-123	On Semi	MMSD914T1
1	D2	Diode, Zener, 12V, 20mA	SOD123	On Semi	MMSZ5242BT1
1	D9	Diode, Zener, 15V, 350-mW	SOT-23	Diodes, Inc.	BZX84C15LT1
1	D11	Diode, Zener, 20V, 350-mW	SOT-23	Diodes, Inc.	BZX84C20LT1
1	D10	Diode, Zener, 30V, 350-mW	SOT-23	Diodes, Inc.	BZX84C30LT1
1	D6	Diode, Zener, 8.2V, 20mA	SOD123	On Semi	MMSZ5237BT1
1	L1	Inductor, SMT, 5.28A, 10.2 milliohm	0.300 sq"	Coiltronics	DR73-1R0
1	L2	Inductor, SMT, 330uH, 1.06A, 482 milliohm	0.492 sq"	Coiltronics	DR125-331
5	Q1, Q2, Q8, Q10, Q12	Bipolar, NPN, 40V, 200mA, 0.3W	SOT23	Diodes Inc.	MMBT3904
3	Q3, Q5, Q7	Bipolar, PNP, 40V, 200mA, 0.3W	SOT23	Diodes Inc.	MMBT3906
1	Q4	MOSFET, N-ch, 60V, 8.5A, 22 milliohm	SO8	Vishay	Si4850EY
1	Q6	MOSFET, P-ch, -60V, 19A, 60 milliohms	DPAK	Vishay	SUD19P06-60L
1	Q9	MOSFET, P-ch, -60-V, 3.5-A, 120-milliOhms	SO8	Vishay	Si9407AEY
1	R40	Resistor, Chip, 0-Ohms, 1/16-W, 1%	603	Std	Std
4	R4, R5, R6, R7	Resistor, Chip, 10 Ohms, 1/16W, 1%	603	Std	Std
4	R19, R32, R41, R49	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	603	Std	Std
8	R8, R9, R10, R11, R26, R31, R54, R56	Resistor, Chip, 10K Ohms, 1/16W, 1%	603	Std	Std
1	R51	Resistor, Chip, 16.2K-Ohms, 1/16-W, 1%	603	Std	Std
5	R15, R25, R34, R39, R44	Resistor, Chip, 1K Ohms, 1/16W, 1%	603	Std	Std
1	R17	Resistor, Chip, 2.32K Ohms, 1/16W, 1%	603	Std	Std
1	R37	Resistor, Chip, 200K-Ohms, 1/16-W, 1%	603	Std	Std

3	R14, R47, R58	Resistor, Chip, 20K Ohms, 1/16W, 1%	603	Std	Std
1	R38	Resistor, Chip, 274K Ohms, 1/16W, 1%	603	Std	Std
1	R30	Resistor, Chip, 3.01K Ohms, 1/16W, 1%	603	Std	Std
1	R16	Resistor, Chip, 3.3 Ohms, 1/16W, 1%	603	Std	Std
1	R12	Resistor, Chip, 31.6K Ohms, 1/16W, 1%	603	Std	Std
1	R43	Resistor, Chip, 4.75K Ohms, 1/16W, 1%	603	Std	Std
4	R13, R24, R35, R100	Resistor, Chip, 4.99K Ohms, 1/16W, 1%	603	Std	Std
1	R46	Resistor, Chip, 432K Ohms, 1/16W, 1%	603	Std	Std
2	R28, R50	Resistor, Chip, 49.9 Ohms, 1/16W, 1%	603	Std	Std
2	R21, R29	Resistor, Chip, 5.11K Ohms, 1/16W, 1%	603	Std	Std
2	R22, R42	Resistor, Chip, 51.1K-Ohms, 1/16-W, 1%	603	Std	Std
1	R48	Resistor, Chip, 732K Ohms, 1/16W, 1%	603	Std	Std
1	R18	Resistor, Chip, 75.0K Ohms, 1/16W, 1%	603	Std	Std
1	R36	Resistor, Chip, 0.05 Ohm, 1/10W, 5%	805	Std	Std
1	R2	Resistor, Chip, 2.49KOhms, 1/10-W	805	Std	Std
1	R1	Resistor, Chip, 4.99KOhms, 1/10-W	805	Std	Std
1	R3	Resistor, Chip, 2.49K, 1/8W, 5%	1206	Std	Std
1	R33	Resistor, Chip, 10K, 1/2W, 5%	2010	Std	Std
1	R53	Resistor, Chip, 2.49K, 1W, 5%	2512	STD	STD
1	R27	Resistor, Chip, 0.2 Ohm, 1W, 5%	2512	STD	STD
1	T1	Transformer, Flyback	0.856"x0.677"	TDK	DCT15EFD-UXXS0A5
1	U1	IC, BiCmos, Current Mode, PWM Controller	SO8	Texas Instruments	UCC28C41D
1	U2	IC, Dual Op Amp, 2-36 Vin	TSSOP-8	Texas Instruments	LM2904AVQPWRQ1
1	U3	IC, High Input Voltage, 50 mA LDO, Adj	SOP-5 (DCK)	Texas Instruments	TPS71501DCKR
1	U4	IC, Low Cost Sync Buck Controller	SO-8	Texas Instruments	TPS40200D
1	U5	IC, Voltage Supervisor, Adj	SOP-5 (DCK)	Texas Instruments	TPS3803-01DCK
MISC					
1	J1	Terminal Block, 3-pin, 6-A, 3.5mm	0.41"x 0.25"	OST	ED1515
4	J2, J6, J7, J100	Header, 2-pin, 2mm spacing (36-pin strip)	0.079 x 2	NorComp	2136-36-01-P2
1	J3	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	OST	ED1514
2	J4, J5	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	OST	ED1514
1	C18	Capacitor, Ceramic, open	603	TDK	Std
4	R20, R23, R45, R52	Resistor, Chip, open	603	Std	Std
12	TP1, TP2, TP4, TP6, TP8, TP9, TP10, TP11, TP12, TP15, TP16, TP17	Test Point, Red, Thru Hole Color Keyed	0.100"x0.100"	Keystone	5000
6	TP3, TP5, TP7, TP13, TP14, TP18	Test Point, Black, Thru Hole Color Keyed	0.100"x0.100"	Keystone	5001

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