Filename: BOM-PMP9561.xls

Variant: 001

PMP9561

!PCB1			Description			
	1		Printed Circuit Board		PMP9561	Any
C1	1	4.7uF	CAP, CERM, 4.7uF, 50V, +/-10%, X5R, 0805	0805	C2012X5R1H475K125A B	TDK
C2	1	2.2µF	CAP, CERM, 0.47uF, 50V, +/-10%, X5R, 0805	0805	UMK212BB7225KG-T	Taiyo Yuden
C3	1	10uF	CAP, AL, 10 μF, 400 V, +/- 20%, TH	RCAP, TH, 10 x 20mm	UCS2G100MPD1TD	Nichicon
C4	1	10uF	CAP, AL, 10uF, 400V, +/-20%, TH	RCAP, TH, 10 x 20mm	UCS2G100MPD1TD	Nichicon
C5	1	27pF	CAP, CERM, 27pF, 50V, +/-5%, C0G/NP0, 0603	0603	06035A270JAT2A	AVX
C6	1	680pF	CAP, CERM, 680 pF, 566 V, +/- 20%, CD, 7x11x7mm	7x11x7mm	CD65ZU2GA681MYNKA	TDK
7, C8, C11	3	1uF	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	0603	C1608X7R1E105K080A B	TDK
C9, C10	2	330uF	CAP, AL, 330uF, 6.3V, +/-20%, 0.008 ohm, TH	RCAP, 6.3x8mm	RS80J331MDN1JT	Nichicon
D1	1	200V	Diode, Switching, 200V, 0.2A, SOD-123	SOD-123	BAV21W-7-F	Diodes Inc.
D2	1	1 V	Diode, Switching-Bridge, 600 V, 0.8 A, MiniDIP	MiniDIP	HD06-T	Diodes Inc.
D3	1	130V	Diode, TVS, Uni, 130V, 600W, SMB	SMB	SMBJ130A-13-F	Diodes Inc.
D4	1	1000V	Diode, Standard Recovery Rectifier, 1000V, 1A, SMA	SMA	MRA4007T3G	ON Semiconductor
D5	0	75V	Diode, Switching, 75V, 0.25A, SOD-323	SOD-323	1N4448WX-TP	Micro Commercial Components
F1	1	RST 2	Fuse, 2 A, 250 V, TH	8.35 x 7.7 x 4 mm	RST 2	Bel Fuse Inc
FID1, FID2,	0		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A
ID3, FID4, FID5, FID6			ů,			
J1	1	2x1	Conn Term Block, 2POS, 5.08mm, TH	2POS Terminal Block	1715721	Phoenix Contact
J2	1	USB Type A	Connector, Receptable, USB Type A, Vertical, TH	Vertical USB Type A	1002-021-01000	CnC Tech
JMP1, JMP2	2	,,	Jumper Wire, 200mil spacing, Red, pkg of 200	200 mil Jumper Wire	923345-02-C	ЗМ
L1	1	10mH	Coupled inductor, 10mH, A, 3.5 ohm, TH	4-Pin THD, Body 15.5 x 17.5 mm	BU9H-103R25BL	Coilcraft
L2	1	1 μH	Inductor, Shielded, Composite, 1 uH, 8.7 A, 13.25 milliohm, SMD	4 mm x 2.1 mm x 4 mm	XAL4020-102MEB	Coilcraft
Q1	1	600V	MOSFET, N-CH, 600V, 5A, IPAK	IPAK	STU7NM60N	ST Microelectronics
Q2	1	60V	MOSFET, N-CH, 60V, 50A, SON 5x6mm	SON 5x6mm	CSD18534Q5A	Texas Instruments
R1	1	24.3	RES, 24.3 ohm, ±1%, 0.1 W, 0603	0603	RC0603FR-0724R3L	Yageo America
R2	1	110k	RES, 110k ohm, 1%, 0.1W, 0603	0603	CRCW0603110KFKEA	Vishay-Dale
R3	1	31.6k	RES, 31.6k ohm, 1%, 0.1W, 0603	0603	RC0603FR-0731K6L	Yageo America
R4	0	NF	RES, 16.0k ohm, 1%, 0.1W, 0603	0603	RC0603FR-0716KL	Yageo America
R5	1	100k	RES, 100k ohm, 1%, 0.25W, TH	1/4W Resistor	CMF50100K00FHEB	Vishay-Dale
R6, R15, R19	3	0	RES, 0 ohm, ±5%, 0.1 W, 0603	0603	CRCW06030000Z0EA	Vishay-Dale
R7	1	732	RES, 732 ohm, 1%, 0.1W, 0603	0603	RC0603FR-07732RL	Yageo America
R8	1	5.11	RES, 5.11 ohm, 1%, 0.1W, 0603	0603	CRCW06035R11FKEA	Vishay-Dale
R9	1	9.09	RES, 9.09 ohm, 1%, 0.1W, 0603	0603	CRCW06039R09FKEA	Vishay-Dale
R10	1	33	RES, 33 ohm, 5%, 0.25W, 1206	1206	CRCW120633R0JNEA	Vishay-Dale
R11, R12	2	1.96	RES, 1.96 ohm, 1%, 0.125W, 0805	0805	CRCW08051R96FKEA	Vishay-Dale
R13	1	255k	RES, 255k ohm, 1%, 0.1W, 0603	0603	CRCW0603255KFKEA	Vishay-Dale
R14	1	56.2k	RES, 56.2 k, 1%, 0.1 W, 0603	0603	CRCW060356K2FKEA	Vishay-Dale
R16, R17	2	10.0	RES, 10.0 ohm, 1%, 0.1W, 0603	0603	CRCW060310R0FKEA	Vishay-Dale
R18	1	10	RES, 10 ohm, 5%, 0.125W, 0805	0805	CRCW080510R0JNEA	Vishay-Dale
R20	1	100k	RES, 100k ohm, 5%, 0.1W, 0603	0603	CRCW0603100KJNEA	Vishay-Dale
RT1		10 ohm	Thermistor NTC, 10 ohm, ±20%, Leaded	Leaded	SL03 10001	Ametherm
T1	1	667uH	Tramformer, 667uH, TH	Transformer, 16.5x18.8x18.5mm	7508111120	Wurth Elektronik eiSos
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10	10	White	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint	5012	Keystone
TP11	1	Red	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint	5010	Keystone
TP12	1	Black	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint	5011	Keystone
U1	1		Constant-Voltage Constant-Current Flyback Controller With PSR and Wake-Up Monitoring, D0007A	D0007A	UCC28730D	Texas Instruments
U2	1		Voltage Droop Monitor with Wake-Up Output,	DBV0005A	UCC24650DBV	Texas Instruments

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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