PMP6000_REVA BOM

COUNT	RefDes	VALUE	Description	Size	Part Number	MFR
2	C10, C11	680pF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	TDK
8	C101, C111, C116, C128, C201, C211, C216, C228	470nF	Capacitor, Ceramic, 16V, X7R, 15%	0603	std	std
19	C102, C103, C104, C105, C112, C113, C114, C115, C202, C203, C204, C205, C212, C213, C214, C215, C908, C909, C910	10uF	Capacitor, Ceramic, 10uF, 25V, X5R, 20%	1210	std	std
4	C106, C107, C206, C207	**680uF**	**Capacitor, ZL, 16V, 10milliohm, 105C, 20%**	8mm dia	**16ZL680M8x20**	**Rubycon**
4	C108, C117, C208, C217	2.2nF	Capacitor, Ceramic, 100V, X7R, 15%	0805	std	std
8	C118, C119, C120, C121, C218, C219, C220, C221	330uF	Capacitor, Aluminum, SMT, 2V, 7mOhms, 20%	7343(D)	EEFSD0D331R	Panasonic
8	C122, C123, C124, C125, C222, C223, C224, C225	**47uF**	Capacitor, Ceramic, 6.3V, X5R, 20%	**1206**	GRM40yyyxxxKvv	muRata
7	C14, C15, C109, C126, C209, C226, C903	4.7uF	Capacitor, Ceramic, 16V, X5R, 20%	0805	std	std
10	C2, C3, C5, C8, C9, C12, C16, C17, C19, C904	0.01uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	ECJ-1VB1H103K	Panasonic
2	C4, C13	1uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	GRM39yyyxxxKvvv	muRata

4	C110, C127, C210, C227	0.33uF	Capacitor, Ceramic, 16V, X7R, 15%	0603	GRM39yyyxxxKvvv	muRata
7	C6, C7, C151, C152, C251, C252, C905	0.1uF	Capacitor, Ceramic, 25V, X7R, 15%	0603	std	std
1	C906	2.2nF	Capacitor, Ceramic, 50V, X7R, 15%	0603	std	std
1	C907	5.6pF	Capacitor, Ceramic, 50V, NPO, 10%	0603	Std	Std
1	D901	MBR0530TxG	Diode, Schottky, 0.5A, 30V	SOD-123	MBR0530TxG	On Semi
2	J103, J203	PEC02SAAN	Header, Male 2-pin, 100mil spacing	0.100 inch x 2	PEC02SAAN	Sullins
1	J2	AWHW10G-0202-T-I	Connector, Male Straight 2x5 pin, 100mil spacing, 4 Wall	0.338 x 0.788 ir	AWHW10G-0202-T	Assmann Electronics
1	J902	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25""	ED1514	OST
5	J99, J101, J102, J201, J202	OSTT7022150	Terminal Block, 2-pin, 32-A, 9.5mm	0.75 x 0.49 incl	OSTT7022150	OST
4	L101, L102, L201, L202	0.36uHy	Inductor, SMT, 30A, 1.2milliohm	0.400 x 0.453 ir	PCMB104T-R36M1	Susumu
1	L901	47uH	Inductor, SMT, 0.8A, 238milliohm	0.264 sq inch	CDRH6D28NP-47C	Sumida
4	R101, R105, R201, R205	1.47k	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
4	R102, R106, R202, R206	open	Resistor, Chip, 1/16W, 1%	0603	CRCW0603-xxxx-F	Vishay
4	R103, R107, R203, R207	0.68	Resistor, Chip, 1/2W, 5%	2010	Std	Std
4	R104, R108, R204, R208	1	Resistor, Chip, 1/16W, 5%	0402	Std	Std
3	R19, R21, R38	1k	Resistor, Chip, 1/16W, 1%	0603	std	Panasonic
2	R2, R5	133k	Resistor, Chip, 1/16W, 1%	0603	std	Panasonic
5	R20, R22, R25, R27, R28	100k	Resistor, Chip, 1/16W, 1%	0603	std	Panasonic
5	R23, R32, R33, R34, R39	1M	Resistor, Chip, 1/16W, 1%	0603	ERJ-3EKF1004V	Panasonic
6	R24, R29, R30, R31, R35, R907	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
3	R26, R36, R44	10	Resistor, Chip, 1/16W, 5%	0603	std	std
4	R3, R8, R9, R10	2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R37	5.62k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R4	15k	Resistor, Chip, 1/16W, 1%	0603	ERJ-3EKF1502V	Panasonic

5	R40, R41, R42, R43, R905	51	Resistor, Chip, 1/16W, 5%	0603	std	std
1	R7	2.74k	Resistor, Chip, 1/16W, 1%	0603	ERJ-3EKF2741V	Panasonic
1	R901	332k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R902	56.2k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R903	165k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R904	76.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R906	53.6k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R99	0	Resistor, Chip, 1/16W, 5%	0402	Std	Std
4	TP1, TP2, TP3, TP4	5016	Test Point, SM, 0.150 x 0.090	0.185 x 0.135 ir	5016	Keystone
6	TP101, TP105, TP201, TP205, TP901, TP902	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 ir	5000	Keystone
5	TP102, TP106, TP202, TP206, TP903	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 ir	5001	Keystone
4	TP103, TP104, TP203, TP204	5015	Test Point, SMT	0.105 x 0.040 ir	5015	Keystone
1	U1	UCD9224RGZ	IC, Digital PWM System Controller	QFN-48	UCD9224RGZ	TI
3	U101, U103, U201	CSD96370Q5M	IC, Synchronous Buck NexFET Power Stage	DQP	CSD96370Q5M	TI
4	U102, U104, U202, U204	INA213DCK	IC, Voltage Output, gain = 50	SC-70	INA213DCK	TI
1	U2	TPS71733DCKx	IC, 150mA, Low Iq, Wide Bandwdth, LDO Linear Regulators	SC70	TPS71733DCKx	TI
1	U901	TPS54040DGQ	IC, DC-DC Converter, 42V, 0.5A	MSOP-10	TPS54040DGQ	TI

Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed.
2. 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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