Filename: PMP5083\_REV\_BSCH\_bom.xls

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## PMP5083\_REV\_BSCH BOM

COUNT	RefDes	Value	Description	SIZE	PART NUMBER	MFR	Area
	C1, C2, C4, C5, C	8,	•	•	•	•	
6	C18	3.3uF	Capacitor, Ceramic, 50V, X7R, [tol]	1210	Std	Std	83,600
1	C10	470p	Capacitor, Ceramic, 50V, NPO, [tol]	0603	std	std	5650
1	C101	470p	Capacitor, Ceramic, 200V, X7R, [tol]	0603	std	std	5650
1	C11	10u	Capacitor, Ceramic, 16V, X7R, [tol]	1206	GRM42-6yyyxxxK	v muRata	15390
1	C12	100p	Capacitor, Ceramic, 50V, NPO, [tol]	0603	std	std	5650
2	C13, C15	0.1u	Capacitor, Ceramic, 50V, X7R, [tol]	0603	std	std	5650
1	C14	47pF	Capacitor, Ceramic, 47pF, 50V, NPO	0603	Std	Std	5650
1	C16	3300pF	Capacitor, Ceramic, 3300pF, 25V, X7R, 10%	0603	Std	Std	5650
2	C17, C20	4.7uF		0.200 x 0.210 incl	h EEVFK1E100B	Panasonic	48,000
1	C3	0.1uF	Capacitor, Ceramic, 0.1uF, 100V, X7R, 20%	0805	Std	Std	10560
1	C6	4700pF	Capacitor, Ceramic, 4700pF, 2KV, X7R, 10%	1812	Std	AVX	38080
3	C7, C19, C21	0.1u	Capacitor, Ceramic, 25V, [temp], [tol]	0603	std	std	5650
1	C9	1u	Capacitor, Ceramic, 16V, X7R, 20%	0603	std	std	5650
2	D1, D4	ES1B	Diode, Super Fast Rectifier, 100V, 1A	0.220 x 0.115 incl	h ES1B	Diodes	42050
1	D100	15V	Diode, Zener, 15-V, 225-mW	SOT23	BZX84C15LT1	ON Semi	14105
1	D3	BAS16	Diode, Switching, 10-mA, 85-V, 350-mW	SOT23	BAS16LT1	On Semi	14105
1	J1	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25	ED1514	OST	75525
1	J2	ED1514	ED1514	6/21/2000 21:46	OST	0.27 x 0.25""	Terminal Block, 2-pin, 6-A, 3.5mm
2	L2, L3	0.6 mH	Inductor, SMT, 1A, 200-milliohm		h BU9H-6011R0BL	Coilcraft	331200
1	Q1	IRF7495	MOSFET, N-ch, 100V, 10A, 22 milliohm	SO8	IRF7495	Vishay	75900
1	Q100	MMBT2222	Bipolar, NPN, 40V, 600mA	SOT23	MMBT2222ALT1	ON Semiconductor	14105
1	R1	2K	Resistor, Chip, 2K, 0.5 W, 5%	2010	Std	Vishay	30800
2	R10, R11	1K	Resistor, Chip, 1K, 1%, 0603	0603	Std	Std	5650
1	R101	1k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R102	200	Resistor, Chip, 1/4W, yy%	1210	Std	Std	24200
1	R104	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R105	301k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R106	49.9k	Resistor, Chip, 1/16W, 1%	0603	Std	Std	5650
1	R12	8.66K	Std	6/7/2000 10:03	Std	603	Resistor, Chip, 8.66K Ohms, 1/16-W,
1	R13	0.02	Resistor, Chip, 0.02 Ohms, 1W, 5%	2512	Std	Std	56000
2	R15, R103	30.1k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R16	10k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R17	49.9	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
2	R18, R100	1.50k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R19	10K	Std	6/7/2000 10:03	Std	603	Resistor, Chip, 10K Ohms, 1/16-W, 19
2	R2, R3	10	Resistor, 1/2W, yy%	1210	Std	Std	28000
1	R20	2.49K	Std	6/7/2000 10:03	Std	603	Resistor, Chip, 2.49K-Ohms, 1/16-W,
1	R21	690	Std	6/7/2000 10:03	Std	603	Resistor, Chip, 1.69K Ohms, 1/16-W,
1	R22	1K	Std	6/7/2000 10:03	Std	603	Resistor, Chip, 2K Ohms, 1/16W, 1%
1	R4	249k	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
1	R5	0	Resistor, Chip, 1/16W, 1%	0603	std	std	9100
2	R8, R14	2K	Std	6/7/2000 10:03	Std	603	Resistor, Chip, 2K Ohms, 1/16W, 1%

1	R9	0	Resistor, Chip, 0 Ohms	0603	Std	Std	5650
1	T1	POE300F-24LD	Transformer, ±15%	0.810 x 1.181 inch	POE300F-24LD	Coilcraft	1,016,400
	TP1, TP4, TP8,						
	TP9, TP10, TP11,						
9	TP12, TP13, TP14	5000	Test Point, Red, Thru Hole Color Keyed	0.100 x 0.100 inch	5000	Keystone	10
2	TP2, TP5	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone	10
1	U1	ISO721D	IC, High Spedd Digital Isolators, 3.3V 5V	SO-8	ISO721D	TI	75.9
1	U2	TCMT1107	IC, Photocoupler, CTR = 80% - 160%	MF4	TCMT1107	Vishay	47,740
1	U4	TPS40210DRC	IC, 4.5V-52V I/P, Current Mode Boost Controller	DRC10	TPS40210DRC	TI	30400
1	U8	TL431xDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431xDBZ	TI	16384

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.

- These assemblies must comply with workmanship standards IPC-A-610 Class 2.
  Ref designators marked with an asterisk ('\*\*') cannot be substituted.
  All other components can be substituted with equivalent MFG's components.

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