Filename: PMP5170_REVB_bom.xls

Date: 11/12/2009

PMP5170_REVB BOM

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	C1	33uF	Capacitor, Aluminum Electrolytic, 450V	0.571 inch	ECA2WM330	Panasonic
1	C10	56uF	Capacitor, Aluminum Electrolytic, 35V	0.248 inch	35V ZL 56uF 6.3 X 11	Rubycon
	C100	1000pF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H102K	TDK
	C2	0.01uF	Capacitor, Polyester Film, 250V, 10%	0.311 x 0.213 inch	ECQ-E2103KB	Panasonic
	C3	470uF	Capacitor, Aluminum Electrolytic, 63V	0.571 inch	63V ZL 470uF 16 X 20	Rubycon
7	C4, C5, C7, C9, C11, C12, C13	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	0603	C1608X7R1H104K	TDK
	C6	1500pF	CAP, CERM DISC Y1, 250Vac, 20%	.500 X .310	ECKDNA152ME	Panasonic
	C8	DNP	Do Not Populate	0603	N/A	N/A
	D1	RS2KA-13	Diode, Rectifier, 1.5A, 800V	SMA	RS2KA-13	Diodes Inc.
	D2	MBRB20200CT	Diode, Schottky, 20A, 200V	TO-263AB	MBRB20200CT	On Semiconductor
1	D3	BAS21	Diode, Switching, 200-mA, 200-V, 330-mW	SOT23	BAS21	Zetex
1	D4	MBR0520L	Diode, Schottky, 0.5A, 20V	SOD-123	MBR0520L	Fairchild
	J1		Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25""	ED1514	OST
2	JP1, JP2	923345-02-C	Jumper, 0.200 inch length, PVC Insulation, AWG 22,	0.035 inch Dia.	923345-02-C	3M
1	JP3	923345-04-C	Jumper, 0.400 inch length, PVC Insulation, AWG 22,	0.035 inch Dia.	923345-04-C	3M
	Q1	SPD06N60C3	MOSFET, N-ch, 650V, 6.2A, 0.75 ohm	DPAK	SPD06N60C3	Infineon
1	R1	100k	Resistor, Chip, 1-W, 5%	2512	Std	Std
1	R10	75.0k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R100	15k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R11	472	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R12	69.8k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R13	5.11k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R14, R17	1k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R15	10k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R16	1.82k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R18	20k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R19	100k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R20	24.9	Resistor, Chip, 1/16W, 1%	0603	Std	Std
2	R3, R4	3MEG	Resistor,1/4 watt, 5%	1206	Std	Std
1	R5	178k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
	R6	0.3	Resistor, 1/4W, 5%	1210	Std	Std
2	R7, R8	0	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	R9	60.4k	Resistor, Chip, 1/16W, 1%	0603	Std	Std
1	T1	315 uH	XFMR, Flyback ±10%	21.00 x 21.00 mm	G094282LF	GCI
	TP1, TP3, TP4	5000	Test Point, Red, Thru Hole Color Keyed		5000	Keystone
	TP2	5001	Test Point, Black, Thru Hole Color Keyed	0.100 x 0.100 inch	5001	Keystone
1	U1	TL317CD	IC, 3-Terminal Adjustable Regulator	S08	TL317CD	TI
1	U2	UCC28610D	IC, Flyback Green-Mode Controller	SO8	UCC28610D	TI
	U3	H11A817A	IC, Optocoupler, 5300-V, 80-160% CTR	0.380 x 0.180 inch	H11A817A	Fairchild
1	U4	TL431AIDBZ	IC, Precision Adjustable Shunt Regulator	SOT23-3	TL431AIDBZ	TI

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