Filename: PMP7247RevA_LEDdriver - BoM.xls
Date: 12/17/2012

PMP7247RevA - Bill of Material

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
2	C1, C2	100nF	Capacitor, Ceramic, 100V, X7R, 15%	805	Std	Std
1	C10	33nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
2	C12, C19	100pF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C13	1uF	Capacitor, Ceramic, 50V, X7R, 15%	1206	Std	Std
1	C14	1uF	Capacitor, Ceramic, 10V, X5R, 15%	603	Std	Std
1	C15	1nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
4	C17, C18, C20, C21	100nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
1	C3	100uF	Capacitor, Aluminum, 63V, 20%	0.406 x 0.457 inch	EEEFK1J101P	Panasonic
4	C4, C6, C8, C11	3.3uF	Capacitor, Ceramic, 50V, X7R, 15%	1210	Std	Std
1	C5	10nF	Capacitor, Ceramic, 50V, X7R, 15%	603	Std	Std
2	C7, C16	10uF	Capacitor, Ceramic, 6.3V, X5R, 15%	603	Std	Std
1	C9	68pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std
1	D1	15V	Diode, Zener, 15V, 350mW	SOT-23	BZX84C15	Vishay
3	D2, D3, D4	BAT54S	Diode, Dual Schottky, 30V, 200mA	SOT23	BAT54S	Fairchild
4	J1, J5, J7, J9	PEC02SAAN	Header, Male 2-pin, 100mil spacing,	0.100 inch x 2	PEC02SAAN	Sullins
1	J10	PEC07SAAN	Header, Male 7-pin, 100mil spacing,	0.100 inch x 7	PEC07SAAN	Sullins
2	J11, J13	PEC04SAAN	Header, Male 4-pin, 100mil spacing,	0.100 inch x 4	PEC04SAAN	Sullins
1	J12	PEC05SAAN	Header, Male 5-pin, 100mil spacing,	0.100 inch x 5	PEC05SAAN	Sullins
1	J2	RAPC 712	Connector, Pin dia.2.5mm, DC Jack,	0.57 x 0.35 inch	RAPC 712	Switchcraft
4	J3, J4, J6, J8	ED550/2DS	Terminal Block, RA 2-pin, 6-A, 3.5mm	7.0 x 8.2 mm	ED550/2DS	OST
1	L1	330uH	Inductor, SMD, 4.8 Ohm, 150mA rms, 300mA sat	0.190 X 0.134 inches	1812PS-334_L	Coilcraft
1	POTI	50k	Potentiometer	0.375 sq inch	3386P-EY5	Bourns
1	Q1	Si7461DP	MOSFET, PChan, -60V, -18A, 9.6mOhm	PWRPAK S0-8	Si7461DP	Vishay
1	Q2	TPS3809K33	IC, Supply Voltage Supervisor, 3.3V	SOT23	TPS3809K33DKB	Texas Instruments
3	R1, R5, R14	0	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R10	19.6k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R12	35.7k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R13	475k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R17	200k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R18	118k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R19	47.5k	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	R2, R6, R15	open	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	R25, R26, R27	1.00k	Resistor, Chip, 1/16W, 1%	603	Std	Std

11	R3, R7, R11, R16, R20, R21, R23, R24, R28, R29, R30	10.0k	Resistor, Chip, 1/16W, 1%	603	Std	Std
3	R31, R32, R33	332	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R4	100k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R8	33.2k	Resistor, Chip, 1/16W, 1%	603	Std	Std
1	R9	110k	Resistor, Chip, 1/16W, 1%	603	Std	Std
4	S1, S2, S3, S4	FSM4JSMA	Switch, Micro Push Button xxV, xxA	0.394 x 0.200 inch	FSM4JSMA	ITT
3	U1, U2, U4	TPS92551	IC, 450mA 23W Constant Current Buck LED Driver	TO-PMOD-7	TPS92551Txx	Texas Instruments
1	U3	TPS54062	IC, Step Down, 4.7/60V, 50mA	MSOP-8	TPS54062DGK	Texas Instruments
1	U5	TPS79801	IC, LDO Micropower Linear Regulator, 3V-60V, 100mA	HTSSOP-8	TPS798xxDGN	Texas Instruments
1	U6	MSP430G2332	IC, Mixed Signal Microcontroller	TSSOP-20	MSP430G2332IPW20R	Texas Instruments
1	U7	SN74HC125PW	IC, Quad Bus Buffer Gate With 3-State Outputs	TSSOP-14	SN74AHCT125PW	Texas Instruments

Filename: PMP7247RevA_LEDstrip - BoM.xls
Date: 12/17/2012

PMP7247RevA - Bill of Material

COUNT	RefDes	Value	Description	Size	Part Number	Mfr
1	D1	ASMT-MT00	Diode, Tri-Color Power LED, 350mA Typical	DPAK2-6	ASMT-MT00	Avago Tech
1	D2	ASMT-MT00	Diode, Tri-Color Power LED, 350mA Typical	DPAK2-6	ASMT-MT00	Avago Tech
1	D3	ASMT-MT00	Diode, Tri-Color Power LED, 350mA Typical	DPAK2-6	ASMT-MT00	Avago Tech
1	D4	ASMT-MT00	Diode, Tri-Color Power LED, 350mA Typical	DPAK2-6	ASMT-MT00	Avago Tech
1	D5	ASMT-MT00	Diode, Tri-Color Power LED, 350mA Typical	DPAK2-6	ASMT-MT00	Avago Tech
1	J1	ED555/3DS	Terminal Block, 3-pin, 6-A, 3.5mm	0.41 x 0.25 inch	ED555/3DS	OST
1	J2	ED555/3DS	Terminal Block, 3-pin, 6-A, 3.5mm	0.41 x 0.25 inch	ED555/3DS	OST
1	J3	ED555/3DS	Terminal Block, 3-pin, 6-A, 3.5mm	0.41 x 0.25 inch	ED555/3DS	OST
1	SC1		Through Hole for Screw #M3		M3	
1	SC2		Through Hole for Screw #M3		M3	
1	SC3		Through Hole for Screw #M3		M3	
1	SC4		Through Hole for Screw #M3		M3	
1	SC5		Through Hole for Screw #M3		M3	
1	SC6		Through Hole for Screw #M3		M3	
1	SC7		Through Hole for Screw #M3		M3	
1	SC8		Through Hole for Screw #M3		M3	

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