

Filename: PMP2493-LED_REVA_bom.xls

Date: August 8, 2007

TESTED with Green, Blue LEDs

PMP2493-LED_REVA BOM

COUNT	RefDes	Description	Size	Mfr	Part Number	Value
2	C1, C5	Capacitor, Ceramic, 50V, X7R, 20%	1206	TDK	C3216X7R1H105	1uF
1	C6	Capacitor, Ceramic, 50V, X7R, 20%	1210	TDK	std	3.3uF
1	C10	Capacitor, Ceramic, 16V, X7R	1206	std	std	4.7uF
1	C2	Capacitor, Ceramic, 50V, NP0, 10%	0603	Std	Std	470pF
1	C3	Capacitor, Ceramic, 50V, NP0, 10%	0603	Std	Std	100pF
1	C4	Capacitor, Ceramic, 50V, X7R, 10%	0603	Std	Std	6800pF
2	C7, C8	Capacitor, Ceramic, 50V, NP0, 5%	0603	Std	Std	100pF
1	D1	Diode, Schottky, 1-A, 60-V	SMA	Motorola	MBRA160LT3	MBRA160LT3
1	FB1	Bead, Ferrite, SMT, 80 Ohms, 5A	0805	Steward	HI0805R800R-10	80
1	J1	Terminal Block, 3-pin, 6-A, 3.5mm	0.41 x 0.25 inch	OST	ED555/3DS	ED555/3DS
1	J2	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25 inch	OST	ED555/2DS	ED555/2DS
1	L1	Inductor, SMT, 4.5A, 71milliohm	.255 x 0.270 inc	Vishay	IHLP2525EZ-01 10uHy	10uH
1	Q1	MOSFET, Pch, -60Vds, 3.5A, 120 milliohm	SO8	Vishay	Si9407AEY	Si9407AEY
1	Q2	MOSFET, Nch,25V, 220-mA, 5 ohms	SOT23	Fairchild	FDV301N	FDV301N
1	R1	Resistor, Chip, 1/8W	1206	Std	Std	0.01
1	R10	Resistor, Chip, 1/16W, 1%	0603	Std	Std	51.1
1	R2	Resistor, Chip, 1/16W, 1%	0603	Std	Std	392k
2	R3, R16	Resistor, Chip, 1/16W, 1%	0603	Std	Std	0
2	R4	Resistor, Chip, 1/16W, 1%	0603	Std	Std	1K
1	R5	Resistor, Chip, 1/8W, 1%	1206	Vishay	CRCW1206-xxxx-F	2.97
	R6	Resistor, Chip, 1/16W, 1%	0603	Std	Std	2k
1	R7	Resistor, Chip, 1/8W, 1%	1206	Vishay	CRCW1206-xxxx-F	varies
1	R8	Resistor, Chip, 1/16W, 1%	0603	Std	Std	10k
1	R9	Resistor, Chip, 1/16W, 1%	0603	Std	Std	402k
1	U1	IC, Low Cost Sync Buck Controller	SO-8	TI	TPS40200D	TPS40200D

- 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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Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
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