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Designed for: Public Release	Mod. Date: 8/16/2012
Project: LM3630 Evaluation Board	
Sheet Title: LM3630 EB Schematic	Sheet 2 of 2
Size: B	Schematic: 870600787
	Rev: X2
Assembly Variant: Variant name not interpreted	
File: 870600787_ANSI-B_SchDoc	
Contact: http://www.ti.com/support	



Bill of Materials

LM3630 EB Schematic

Source Data From: LM3630Eval.PrjPCB
 Project: LM3630Eval.PrjPCB
 Variant: None

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Footprint	Comment	LibRef	Designator	Description	Quantity
0603	GRM188C70J225KE20D	GRM188C70J225KE20D	C1	CAP, CERM, 2.2uF, 6.3V, +/-10%, X7S, 0603	1
0805 hybrid	GRM21BR71H105KA12L	GRM21BR71H105KA12L	C2	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	1
1206	C3216X5R0J226M	C3216X5R0J226M	C3	CAP, CERM, 22uF, 6.3V, +/-20%, X5R, 1206	1
SOD-323	ZLLS350TA	ZLLS350TA	D1	Diode, Schottky, 40V, 0.38A, SOD-523	1
Mini TOPLED	LED	LED	H1A, H1B, H1C, H1D, H1E, H1F, H1G, H1H, H1I, H1J, H2A, H2B, H2C, H2D, H2E, H2F, H2G, H2H, H2I, H2J		20
8 Pin star Header	8 Pin Star Header	8 Pin Star Header	HL1, HL2		2
6091	6091	6091	J1	Standard Banana Jack, Insulated, Red	1
6092	6092	6092	J2	Standard Banana Jack, Insulated, Black	1
TSW-102-07-G-S	TSW-102-07-G-S	TSW-102-07-G-S	J3, J4, J5, J10, J11, J12, J14	Header, TH, 100mil, 2x1, Gold plated, 230 mil above insulator	7
TSW-105-07-G-D	TSW-105-07-G-D	TSW-105-07-G-D	J6	Header, TH, 100mil, 5x2, Gold plated, 230 mil above insulator	1
TSW-103-07-G-S	TSW-103-07-G-S	TSW-103-07-G-S	J7, J9, J15	Header, TH, 100mil, 3x1, Gold plated, 230 mil above insulator	3
TSW-104-07-G-S	TSW-104-07-G-S	TSW-104-07-G-S	J8	Header, TH, 100mil, 4x1, Gold plated, 230 mil above insulator	1
VLF403212/10 and VLF302510/12	VLF302512MT-100	RL-8250-4-100M	L1	Inductor, Shielded Drum Core, Metal Composite, 10uH, 10A, 0.0255 ohm, SMD	1
0805_HV	CRCW080510R0FKEA	CRCW080510R0FKEA	R1, R2	RES, 10.0 ohm, 1%, 0.125W, 0805	2
0805_HV	CRCW080510K0FKEA	CRCW080510K0FKEA	R3, R4, R5, R6, R7	RES, 10.0k ohm, 1%, 0.125W, 0805	5
TMD12AAA	LM3630	LM3630	U1	Boost LED Controller	1

49

Approved	Notes