

Bill of Materials

Bill of Materials For Project [LP_LED_CUBE_8x8x8.PrjPcb] (No PCB Document Selected)

Source Data From: LP_LED_CUBE_8x8x8.PrjPcb
 Project: LP_LED_CUBE_8x8x8.PrjPcb
 Variant: None

Creation Date: 14/03/15 15:39:11
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#Column Name	Comment	#Column Name	Designator	Description	Quantity
	100nF		C1, C2, C3, C4, C5, C6, C7, C8, C9, C11, C13, C15, C17, C19, C21, C23, C26, C27, C29	Capacitor	19
	1nF		C10, C12, C14, C16, C18, C20, C22, C24	Capacitor	8
	220uF		C25, C28	Capacitor	2
	0.47uF		C30	Capacitor	1
	5k54		D1	Schottky Diode	1
	POWER LED		D2	Typical INFRARED GaAs LED	1
	100uH		L1	Magnetic-Core Inductor	1
	Header 8X2		P1, P2, P4, P5	Header, 8-Pin, Dual row	4
	LED Connector		P3	Header, 8-Pin, Dual row	1
	LED Layers Connector		P6	Header, 4-Pin, Dual row	1
	LED Layers Output Connector		P7	Header, 4-Pin, Dual row	1
	Power to controller		P8	Header, 2-Pin	1
	100R		R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64	Resistor	64
	10k		R65, R66, R69, R70, R71, R72, R75, R76, R77, R78, R81, R82, R83, R84, R87, R88, R89	Resistor	17
	0R		R67, R68, R73, R74, R79, R80, R85, R86	Resistor	8
	180k		R90	Resistor	1
	220k		R91	Resistor	1
	49.9k		R92	Resistor	1
	100k		R93	Resistor	1
	470R		R94	Resistor	1
	74HC574N		U1, U2, U3, U4, U5, U6, U7, U8	D Flip Flops	8
	SI3861BDV		U9, U10, U11, U12, U13, U14, U15, U16	4.5 - 20V 2.3A Load Switch	8
	TPS56528		U17	Step-Down Converter 5A 4.5V-18V	1
	Jumper		W1	Jumper Wire	1
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Approved	Notes