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: 30/12/14 00:37:15
Print Date: 30-Dec-14 12:37:18 am

#Column Name	Comment	#Column Name Er	Designator	Description	Quantity
	Battery		BT1	Multicell Battery	1
	100n		C1, C2, C3, C4, C9, C10, C11, C14, C15, C16, C17, C18, C19, C23, C25	Capacitor	15
	22p		C5, C6, C7, C8	Capacitor	4
	18p		C12, C13	Capacitor	2
	1uF		C20	Capacitor	1
	10n		C21	Capacitor	1
	220uF		C22, C24	Capacitor	2
	USB LED		D1	Typical INFRARED GaAs LED	1
	LED1		D2	Typical INFRARED GaAs LED	1
	LED2		D3	Typical INFRARED GaAs LED	1
	LED4		D4	Typical INFRARED GaAs LED	1
	LED5		D5	Typical INFRARED GaAs LED	1
	1N5819		D6, D7, D9	Schottky Diode	3
	POWER LED		D8	Typical INFRARED GaAs LED	1
	100uH		L1	Inductor	1
	RS232		P1	Receptacle Assembly, 9 Position, Right Angle	1
	JTAG Connector ULINK		P2	JTAG Connector	1
	USB B		P3	USB Connector	1
	RJ45 Ethernet		P4	Ethernet Connector	1
	LED Layers Connector		P5	Header, 4-Pin, Dual row	1
	LED Connector		P6	Header, 8-Pin, Dual row	1
	DC Connector		P7	DC Power Connector	1
	Power to board		P8	Header, 2-Pin	1
	10k		R1, R3, R4, R5, R6, R7, R8, R29	Resistor	8
	NO		R2	Resistor	1
	1k		R9	Resistor	1
	470R		R10, R11, R12, R13, R14, R25, R26, R36	Resistor	8
	50R		R15	Resistor	1
	1k5		R16	Resistor	1
	33R		R17, R18	Resistor	2
	75R 1%		R19, R24, R27, R28	Resistor	4
	49R9 1%		R20, R21, R22, R23	Resistor	4
	2k2		R30, R31, R32, R33, R34	Resistor	5
	4k7		R35	Resistor	1
	FW Update		S1	Switch	1
	LPC1769FBD100		U1	32-bit ARM Cortex-M3 microcontroller; up to 512 kB flash and 64 kB SRAM with Ethernet, USB 2.0 Host/Device/OTG, CAN	1
	TRS3232		U2	Dual 232 +3V3	1
	AT45DB321E		U3	SPI Flash 32MB	1
	DP83848C		U4	Ethernet PHY	1
	LM2671 - 3.3V		U5	Switcher Voltage Regulator	1
	Jumper		W1	Jumper Wire	1
	32.768 kHz		Y1	Crystal Oscillator	1
	12 MHz		Y2	Crystal Oscillator	1
	50 MHz		Y3		1
					90

Approved	Notes	