



X1
35 Headers
Headers 35

Title LightBoard_v1.0		
Size A	Number	Revision 1
Date:	7/2/2020	Sheet 1 of 3
File:	C:\Users\...\LightBoard_v1.0.SchDoc	Drawn By: MAKinteract

Designator	Packaging	Supplier Part Num	Comment	Description	Manufacturer 1	Manufacturer Part	Quantity	Supplier Currency	Supplier	Supplier Unit Price
C1, C3	Tape and Reel	311-1358-6-ND	1u	CERAMIC CAPACIT	Yageo	CC0805ZRY5V8BB	2	USD	2	0.16
C2	Tape and Reel	311-1703-6-ND	10n	Cap Ceramic 0.01u	Yageo	CC0402KRX7R6BB	1	USD	1	0.1
C4A, C4B, C4C, C5A, C5B, C5C,	Tape and Reel	311-3553-6-ND	47n	Cap Ceramic 0.047	Yageo	CC0805JRX7R9BB4	9	USD	9	0.21
D1A, D1B, D1C, D2A, D2B, D2C	Tape and Reel	VLMS1500-GS08D	LED0402_RED	Led red	Vishay	VLMS1500-GS08	60	USD	60	0.346
J1	Bulk	1050-1041-ND	UNO_SHEILD	Arduino UNO shiel	Arduino	A000073	1	USD	1	20.9
J2			HDR_6_PINS	Sockets to connect to Arduino pins			1			
J3			BREADBOARD	26*2 ROWS			1			
J4			JTAG CPLD	Socket to connect to JTAG			1			
R1	Tape and Reel	311-47KJRDKR-ND	47k	YAGEO - RC0402JR	Yageo	RC0402JR-0747KL	1	USD	1	0.1
R2	Tape and Reel	311-120KJRDKR-N	120k	RES SMD 120K OH	Yageo	RC0402JR-07120K	1	USD	1	0.1
R3	Tape and Reel	YAG1249DKR-ND	10k	RES SMD 10K OHM	Yageo	RC0402FR-0710KP	1	USD	1	0.1
R4A, R4B, R4C, R5A, R5B, R5C,	Tape and Reel	311-62.0LRDKR-ND	62	RES SMD 62 OHM	Yageo	RC0402FR-0762RL	60	USD	60	0.016
U1	Tape and Reel	296-6501-6-ND	NE555DR	TEXAS INSTRUMENT	Texas Instruments	NE555DR	1	USD	1	0.36
U2	Tape and Reel	MCP4725A0T-E/C	MCP4725A0T-E/C	DAC 1-CH Resistor	Microchip	MCP4725A0T-E/C	1	USD	1	0.96
U3A, U3B, U3C	Tray	122-1448-ND	XC9572XL-10VQG4	XILINX - XC9572XL	Xilinx	XC9572XL-10VQG4	3	USD	3	3.71
X1	Bulk	S1011EC-35-ND	Headers 35	Conn Header Vert	Sullins	PRPC035SAAN-RC	1	USD	1	0.79

1