

Partlist

Exported from RyanWalkowiakLab3.brd at 3/2/2021 2:45 PM

Part	Value	Package	Library	Position (mil)	Orientation
C1	1uF	C0805	rcl	(1250 2900)	R270
C2	1uF	C0805	rcl	(1450 2900)	R270
C3	1uF	C0805	rcl	(1650 2900)	R270
C4	1uF	C0805	rcl	(2000 2100)	R0
C5	1uF	C0805	rcl	(2000 1900)	R180
J1	AVR_SPI_PROG_3X2TESTPOINTS 2X3_TEST_POINTS	SparkFun-Connectors		(2700 2100)	I
J2	10118192-0002LF	10118192-0002LF	USB connector	(1250 2500)	R0
LED1		CHIP-LED0805	led	(3150 4100)	R0
LED2		CHIP-LED0805	led	(2950 4100)	R0
LED3		CHIP-LED0805	led	(2750 4100)	R0
LED4		CHIP-LED0805	led	(2550 4100)	R0
LED5		CHIP-LED0805	led	(2350 4100)	R0
LED6		CHIP-LED0805	led	(2150 4100)	R0
LED7		CHIP-LED0805	led	(1950 4100)	R0
LED8		CHIP-LED0805	led	(1750 4100)	R0
LED9		CHIP-LED0805	led	(1550 4100)	R0
LED10		CHIP-LED0805	led	(1350 4100)	R0
LED11		CHIP-LED0805	led	(1150 4100)	R0
LED12		CHIP-LED0805	led	(950 4100)	R0
LED13		CHIP-LED0805	led	(2050 1500)	R180
LED14		CHIP-LED0805	led	(1900 1500)	R180
R1	1k	R0805	rcl	(2350 3900)	R0
R2	1k	R0805	rcl	(2550 3900)	R0
R3	1k	R0805	rcl	(2750 3900)	R0
R4	1k	R0805	rcl	(2950 3900)	R0
R5	1k	R0805	rcl	(3150 3900)	R0
R6	1k	R0805	rcl	(2200 2600)	R0
R7	1K	R0805	rcl	(2000 2600)	R0
R8	1k	R0805	rcl	(2150 3900)	R0
R9	1k	R0805	rcl	(1950 3900)	R0
R10	1k	R0805	rcl	(1750 3900)	R0
R11	1k	R0805	rcl	(1550 3900)	R0
R12	1k	R0805	rcl	(1350 3900)	R0
R13	1k	R0805	rcl	(1150 3900)	R0
R14	1K	R0805	rcl	(950 3900)	R0
R15	1k	R0805	rcl	(1650 3150)	R90
R16	1k	R0805	rcl	(2190 1665)	R90
R17	1K	R0805	rcl	(1950 1650)	R0
U\$2	CH340C	SOP-16	Library of stuff	(1550 1750)	R270
U1	ATMEGA328P_TQFP	TQFP32-08	SparkFun-IC-Microcontroller	(2500 2800)	R90
X1	16Mhz	CSTCE16M0V53-R0	Crystals_Oscillators	(2900 2550)	R180

		Cost Per		Total for 3
	OshBoard	\$70.15	5 day shipping	\$148.80
Link	Capacitor	\$0.26		
	Capacitor	\$0.26		
	Capacitor	\$0.26		
	Capacitor	\$0.26		
	Capacitor	\$0.26		
	2x3 test	\$0.00		
link	Usb	\$0.39		
Link	Led	\$0.14		
	Led	\$0.14		
	Led	\$0.14		
	Led	\$0.14		
	Led	\$0.14		
	Led	\$0.14		
	Led	\$0.14		
	Led	\$0.14		
	Led	\$0.14		
	Led	\$0.14		
	Led	\$0.14		
	Led	\$0.14		
	Led	\$0.14		
link	Resistor	\$0.15		
	Resistor	\$0.15		
	Resistor	\$0.15		
	Resistor	\$0.15		
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	Resistor	\$0.15		
	Resistor	\$0.15		
	Resistor	\$0.15		
Link	CH340	\$16.95		
Link	ATMEGA328P	\$2.52		
link	Oscillator	\$0.56		

Cost per 1
\$49.60