Part Counter				
Revision: 0				
Black Box Electronics				
Bill Of Materials				
Qty	**Reference**	**Part**	**Description**	**Footprint**
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2	C1,C2	.1uF-C	0.1uF SMD ceramic capacitor, 25V 0805	CC0805
2	C3,C4	22pF-C	22pF SMD ceramic capacitor, 50V 0805	CC0805
1	ISO1	OPB818	Optoelectronic transmit/receive module	OPB818
2	J1,J3	CON1	Wire hole (not separate part)	CON1
1	J2	HEADER 14X2	28-pin dual in-line header for LED display	DIP28-300
1	R1	120	120 ohm 1/4W axial resistor, 5% tolerance	RES_1/4W
3	R2,R8,R12	10k	10k ohm 1/4W axial resistor, 5% tolerance	RES_1/4W
7	R3,R4,R5,R7,R9,R10,R11	510	510 ohm 1/4W axial resistor, 5% tolerance	RES_1/4W
2	SW1,SW2	SW PUSHBUTTON-SPST-2	SPST pushbutton switch, through-hole	D6C
1	U1	74HC138	3-to-8 decoder/demultiplexer IC, 16-pin DIP	DIP16
1	U2	PIC16F84A	8-bit PIC microcontroller IC, 18 pin DIP	DIP18
1	Y1	3.58MHz	3.579545 MHz quartz crystal	HC-49