Bill Of Materials

Part	Manufacturer/Supplier	Part Number	Quantity	Units	Unit Cost	Total Cost	S & H	Total Project Cost
PIC Microcontroller	Microchip Technology	PIC18LF2682-I/SP	2	pcs	$0.00	$0.00		$207.9
Infrared Long Distance Sensor	Sharp Microelectronics/SparkFun	GP2Y0A02YK0F / SEN-08958	7	pcs	$14.95	$104.65	$12.77	
CAT-5 Cabling	Abby Wilson	-	15	feet	$0.00	$0.00	$0.00	Per person cost
LEDs - Red	Joe Krachey	-	42	pcs	$0.00	$0.00	$0.00	$69.3
Capacitors - 10 uF	Joe Krachey	-	8	pcs	$0.00	$0.00	$0.00	
Capacitor - .1 uF	Joe Krachey	-	1	pcs	$0.00	$0.00	$0.00	
Resistors - .1K	Joe Krachey	-	6	pcs	$0.00	$0.00	$0.00	
Wood/Poster board/hardware (for assembly)	Home Depot	-	2	pcs	$10.00	$20.00	$0.00	
PCB	-	-	1	pc	$35.00	$35.00		
50-pin header	Harwin Inc / DigiKey	M50-3502542 / 952-1388-ND	2	pcs	$3.68	$7.36	$3.22	
14-pin header	3M / DigiKey	951114-8622-AR / 3M9331-ND	2	pcs	$0.74	$1.48	$0.65	
5 pin programming header	Joe Krachey	-	1	pc	$0.00	$0.00		
FETs for LED notes	Fairchild Semiconductor / DigiKey	FDN306P / FDN306PCT-ND	7	pcs	$0.45	$3.15	$1.38	
FETs for LED octaves	Fairchild Semiconductor / DigiKey	FDN339AN / FDN339ANCT-ND	6	pcs	$0.62	$3.72	$1.63	
5 volt barrel connector	CUI Inc / DigiKey	PJ-102B / CP-102B-ND	1	pc	$0.92	$0.92	$0.40	
5 volt power supply	CUI Inc / DigiKey	EPS050100-P6P / T977-P6P-ND	1	pc	$8.06	$8.06	$3.52	