

## Bill of Materials

Item	Part Description	Supplier	Part #	# Needed	Price Per	Unit	Total Price	Part
1	Sun Keyboard	Donation	Type 7	1	\$0.00	ea.	\$0.00	Keyboard to be midified
2	ABS Plastic Sheet 12" x 24"	McMaster	8586k372	1	\$23.95	ea.	\$23.95	Keyboard modification materials
3	Misc. Mounting Hardware	Varied	Varied	1	\$20.00	ea.	\$20.00	All mounting screws etc.
4	12" x 7" x 1/4" Cast Silicone Foam	Stockwell Elastomerics	BF2000	3	\$50.00	ea.	\$150.00	Linearity compressives
5	1/4" diameter Santropene Foam Rubber	McMaster	6322K12	10	\$0.31		\$3.10	Santoprene 1/4" foam cord
6	Op-Amp	DigiKey	LMC660CN-ND	2	\$0.70	ea.	\$1.40	Current to Voltage op-amps
7	Molex-Male	DigiKey	WM2901-ND	5	\$0.52	ea.	\$2.60	Input connectors
8	Pin Connector for Molex	Digikey	WM2510-ND	10	\$0.23	ea.	\$2.26	Pins for input connectors
9	Decoder	Digikey	MM74HC4514N-ND	1	1.33	ea.	\$1.33	Power supply for branches
10	PCB	Advanced Circuits	X	1	\$260.00	ea.	\$260.00	PCBs
11	I/O Board - Arduino	Phase I group	MEGA	1	\$0.00	ea.	\$0.00	PC interfacing device
12	Force Sensitive Resistor .2" by 2.5"	Trossen Robotics	S-20-1000-FS2	75	\$5.00	ea.	\$375.00	Force Sensors
13	5 Pin Molex - Female	Digikey	WM1578-ND	4	\$0.30	ea.	\$1.20	CTVC circuit connector
14	16 Pin Molex - Female	Digikey	WM18679-ND	3	\$3.15	ea.	\$9.45	Decoder connector
15	5 C Ribbon Cable	Digikey	MC06G-5-ND	1	\$1.22	ea.	\$1.22	CTVC cable
16	16 C Ribbon Cable	Digikey	MB16R-5-ND	1	\$5.54	ea.	\$5.54	Decoder cable
17	5 Pin Molex - Male	Digikey	WM4303-ND	4	\$0.95	ea.	\$3.80	CTVC connector
18	16 Pin Molex - Female	Digikey	WM18864-ND	3	\$2.40	ea.	\$7.20	Decoder connector
19	MOSFET	Digikey	F12N50P	16	\$2.50	ea.	\$40.00	Isolation MOSFETs
20	Various Resistors	Digikey	X	X	X	ea.	X	

<b>Total Cost</b>	<b>\$908.05</b>
Trossen	\$375.00
ExpressPCB	\$260.00
Phidget	\$0.00
Digikey	\$36.00
McMaster	\$27.05
On Semi	\$40.00
Misc	\$193.95

Decided	
In Progress	
Unknown	