

Bill of Materials

Item	Part Description	Supplier	Part #	# Needed	Price Per	Unit	Total Price	Part
1	Sun Keyboard	Donation	Type 6	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	X	X	ea.	X	All mounting screws etc.
4	Adhesives (JB Weld)	Lowe's		1	\$4.00	ea.	\$4.00	Adhesives for keyboard modifications
5	Compressive Materials	TBD	TBD	TBD	TBD	ea.	TBD	Linearity compressives
6	Op-Amp	DigiKey	LMC660CN-ND	2	\$0.70	ea.	\$1.40	Current to Voltage op-amps
1	Molex-Male	DigiKey	WM2901-ND	5	\$0.52	ea.	\$2.60	Input connectors
2	Pin Connector for Molex	Digikey	WM2510-ND	10	\$0.23	ea.	\$2.26	Pins for input connectors
3	Decoder	Digikey	MM74HC4514N-ND	1	1.33	ea.	\$1.33	Power supply for branches
4	Primary PCB	ExpressPCB	X	1	\$44.00	ea.	\$44.00	QWERTY portion
1	Secondary PCB	ExpressPCB	X	1	\$25.00	ea.	\$25.00	Misc & Num pad portion
2	Control PCB	ExpressPCB	X	1	\$25.00	ea.	\$25.00	For CTVC circuit and connections
3	I/O Board - Phidget	Phidget	1018	1	\$70.00	ea.	\$70.00	PC interfacing device
4	Force Sensitive Resistor .2" by 2.5"	Trossen Robotics	S-20-1000-FS2	73	\$5.00	ea.	\$365.00	Force Sensors
5	5 Pin Molex - Female	Digikey	WM1578-ND	2	\$0.30	ea.	\$0.60	CTVC circuit connector
6	16 Pin Molex - Female	Digikey	WM18679-ND	2	\$3.15	ea.	\$6.30	Decoder connector
7	5 C Ribbon Cable	Digikey	MC06G-5-ND	1	\$1.22	ea.	\$1.22	CTVC cable
8	16 C Ribbon Cable	Digikey	MB16R-5-ND	1	\$5.54	ea.	\$5.54	Decoder cable
9	5 Pin Molex - Male	Digikey	WM4303-ND	2	\$0.95	ea.	\$1.90	CTVC connector
10	16 Pin Molex - Female	Digikey	WM18864-ND	2	\$2.40	ea.	\$4.80	Decoder connector
11	Shottky Diode	On Semiconductor	NSR0320	16	\$0.05	ea.	\$0.85	Isolation diode
12	Various Resistors	Digikey	X	X	X	ea.	X	Misc & Num pad portion

Total Cost \$585.75

Trossen	\$365.00
ExpressPCB	\$94.00
Phidget	\$70.00
Digikey	\$27.95
McMaster	\$23.95
On Semi	\$0.85
Misc	\$4.00

Decided	
In Progress	
Unknown	