

Level	Component	Manufacturer	Part Name	Part Number	Part Details	Qty	Unit Cost
1	Digital Keyboard	Roland	PCR300	Purchased from D. Slepian		1	\$ 195.00
2	Sensor	Sparkfun Electronics	Trackball Sensor	COM-09308	Blackberry Trackball	2	\$ 4.95
		Digi-Key	Hall Effect Sensor	AN48841B-NLDKR-ND	4 per Trackball	8	\$ 1.33
		Digi-Key	Tact Switch	P8091 SCT-ND	1 per Trackball	2	\$ 0.47
3	Sensor Circuit Board		Capacitor		4 per Trackball	8	
			10K Resistor		5 per Trackball	10	
		OSH Park	Printed Circuit Board		1 per Trackball	2	\$ 3.34
			Wire Jumpers		7 per Trackball	14	
4	<i>Micro Controller - details unknown</i>	OSH Park	Printed Circuit Board			1	\$ 3.34
			Capacitor				
			Mounting hardware				
			7 segment decoder driver				
			5V Power regulator		power	1	
5	MIDI Circuit		10K Resistor			1	
			220 Resistor			2	
		Digi-Key	2N2222 BJT	497-2598-ND	Transistor	1	\$ 0.96
		Sparkfun Electronics	MIDI adaptor	PRT-09536	MIDI out	1	\$ 1.95
		Mono Price	MIDI cable	8532	3ft cable	2	\$ 1.20
6	Keys	RIT Brinkman Lab	Key Insert	Rapid Prototpe Material	\$15 per cubic inch	2	\$ 0.22

*Based on building 2 sensors

Total Cost	Status
\$ 195.00	delivered
\$ 9.90	need to order
\$ 10.64	need to order
\$ 0.94	need to order
\$ 6.68	need to order
\$ 3.34	need to order
\$ 0.96	need to order
\$ 1.95	need to order
\$ 2.40	need to order
\$ 0.44	need to build
\$ 231.81	