

Main board parts

Part	Vendor ID	Number	Unit cost	Total cost
<i>Sparkfun:</i>				
MP3 decoder chip	COM-08125	1	\$19.95	\$19.95
<i>Digikey:</i>				
SD Socket	609-3956-1-ND	1	\$3.20	\$3.20
12.288 MHz crystal (8 pF)	644-1035-1-ND	1	\$0.81	\$0.81
3.3 V regulator	LM3480IM3-3.3CT-ND	1	\$1.10	\$1.10
5V regulator	LM2940IMP-5.0CT-ND	1	\$2.42	\$2.42
Level shifter	568-8150-1-ND	1	\$0.44	\$0.44
Atmega328	ATMEGA328P-AU-ND	1	\$4.87	\$4.87
Capacitor (10pF, 1206)	311-1150-1-ND	2	\$0.15	\$0.30
Capacitor (10nF, 1206)	311-1174-1-ND	2	\$0.14	\$0.28
Capacitor (100nF, 1206)	399-4674-1-ND	12	\$0.49	\$5.88
Capacitor (10uF, 1206)	587-1352-1-ND	3	\$0.45	\$1.35
LED 1206	160-1169-1-ND	1	\$0.54	\$0.54
0 ohm jumper 1206	311-0.0ERCT-ND	1	\$0.02	\$0.02
20 ohm resistor 1206	P20ECT-ND	2	\$0.06	\$0.12
100 ohm resistor 1206	311-100FRCT-ND	2	\$0.03	\$0.06
1 kOhm resistor 1206	311-1.00KFRCT-ND	1	\$0.03	\$0.03
10 kOhm resistor 1206	311-10.0KFRCT-ND	3	\$0.03	\$0.09
100 kOhm resistor 1206	311-100KFRCT-ND	4	\$0.03	\$0.12
1 MOhm resistor 1206	311-1.00MFRCT-ND	1	\$0.03	\$0.03
Header pins	S1133E-36-ND	1	\$4.63	\$4.63
<i>Mouser:</i>				
2x2 header	649-95278-101A04LF	2	\$0.70	\$1.40
2x3 header	649-95278-101A06LF	1	\$0.75	\$0.75
			Total:	\$48.38

Audio parts

Part	Vendor ID	Number	Unit cost	Total cost
<i>Digikey:</i>				
Speakers	GF0668-ND	2	\$4.87	\$9.74
TPA701D Amplifier (8-SOIC)	296-1949-5-ND	2	\$1.19	\$2.38
Capacitor (2.2 uF, 1206)	445-1382	2	\$0.20	\$0.40
Capacitor (0.47 uF, 1206)	445-1380-1-ND	2	\$0.19	\$0.38
Capacitor (1 uF, 1206)	445-4024-1-ND	2	\$0.13	\$0.26
Resistor (49.9K, 1206)	RMCF1206FT49K9CT-ND	2	\$0.06	\$0.12
Resistor (10K, 1206)	RMCF1206JT10KOCT-ND	2	\$0.05	\$0.10
			Total:	\$13.38

Miscellaneous parts

Part	Vendor ID	Number	Unit cost	Total cost
<i>Sparkfun:</i>				
Standoffs	PRT-10927	1	\$2.95	\$2.95

<i>Digikey:</i>				
Switch	450-1040-ND	1	\$1.35	\$1.35
9V Battery holder	BH9VW-ND	1	\$1.37	\$1.37

(this might not be exactly the same as the one I used - check the mounting holes)

<i>McMaster</i>				
Screws (6-32, 3/8")	90272A146	1	\$1.90	\$1.90
Screws (4-4, 1/2")	90272A110	1	\$1.56	\$1.56
Hex nuts (6-32)	90480A007	1	\$1.16	\$1.16
Hex nuts (4-40)	90480A005	1	\$1.16	\$1.16

Note: McMaster hardware is approximate, since I used whatever was available around the shop.

<i>Mouser:</i>				
2x2 sockets	649-71600-004LF	5	\$0.67	\$3.35

Other:
Copper tape
Rainbow wire
Case material

Total: \$14.80

Capacitive sensing board parts

Part	Vendor ID	Number	Unit cost	Total cost
<i>Mouser:</i>				
2x2 header	649-95278-101A04LF	1	\$0.70	\$0.70
2x3 header	649-95278-101A06LF	2	\$0.75	\$1.50
<i>Digikey:</i>				
Attiny44	ATTINY44A-SSU-ND	1	\$2.11	\$2.11
Capacitor (100nF, 1206)	399-4674-1-ND	1	\$0.49	\$5.88
Resistor (10K, 1206)	311-10.0KFRCT-ND	1	\$0.03	\$0.09
LED 1206	160-1169-1-ND	1	\$0.54	\$0.54
Resistor (10M, 1206)	311-10.0MFRCT-ND	5	\$0.03	\$0.15
			Total:	\$10.97