

Fab Academy 2017 - Final project

Circuit boards and electronics					
Items	Qt.	Qt. Tests	Prix unité/lot	Total	URL
ATTiny 45	2,00	3,00	0,79 \$	3,95 \$	https://www.digikey.com/product-detail/en/microchip-technology/ATTINY44A-SSUR/ATTINY44A-SSURCT-ND/3441005
LED White	2,00	3,00	0,51 \$	2,55 \$	https://www.digikey.com/products/en?keywords=160-1737-1-nd
LED Red	2,00	3,00	0,51 \$	2,55 \$	https://www.digikey.com/products/en?keywords=160-1167-1-nd
Resistance 220 ohms	2,00	98,00	1,30 \$	1,30 \$	https://www.digikey.com/product-detail/en/yageo/RC1206FR-07220RL/311-220FRCT-ND/731640
Resistance 0 ohm	6,00	94,00	0,97 \$	0,97 \$	https://www.digikey.com/products/en?keywords=311-0.0ercct-nd
Header 6 pos	2,00	4,00	0,49 \$	2,94 \$	https://www.digikey.com/product-detail/en/molex-llc/0015912060/WM17449-ND/614765
Diode 5V	2,00	8,00	3,64 \$	3,64 \$	https://www.digikey.com/product-detail/en/rohm-semiconductor/RB886GT2R/RB886GT2RCT-ND/2425047
Mofset	2,00	8,00	5,68 \$	5,68 \$	https://www.digikey.com/product-detail/en/stmicroelectronics/STN3NF06L/497-3177-1-ND/654516
DC Motor	2,00	1,00	4,66 \$	13,98 \$	https://www.digikey.com/product-detail/en/nmb-technologies-corporation/PAN14EE12AA1/P14346-ND/2417070
Potentiometer cap	2,00	0,00	6,12 \$	12,24 \$	https://www.digikey.com/product-detail/en/kilo-international/OEJL-75-4-7/226-4094-ND/710674
Potentiometer	2,00	3,00	0,99 \$	4,95 \$	https://www.digikey.com/product-detail/en/tt-electronics-bi/P1705-FC15BR100K/987-1317-ND/2408894
CONN Socket 8 pos	2,00	3,00	0,94 \$	4,70 \$	https://www.digikey.com/product-detail/en/amphenol-fci/71600-008LF/609-3568-ND/1523262
Header 8 pos	2,00	3,00	0,71 \$	3,55 \$	https://www.digikey.com/product-detail/en/amphenol-fci/20021121-00008C4LF/609-3694-1-ND/2209146
Wires	1,00	0,00	19,99 \$	19,99 \$	https://www.amazon.ca/dp/B01KQ0D3M0?psc=1
AA Batterie	4,00	0,00	8,40 \$	8,40 \$	https://www.amazon.ca/s/ref=nb_sb_noss?url=search-alias%3Daps&field-keywords=aa+batteery
AA batterie holder	2,00	1,00	1,12 \$	3,36 \$	https://www.digikey.com/product-detail/en/mpd-memory-protection-devices/BC2AAPC/BC2AAPC-ND/455777
Copper plates	1,00	0,00	18,31 \$	18,31 \$	https://www.digikey.com/product-detail/en/mg-chemicals/521/473-1005-ND/559723
Sub-total circuits				113,06 \$	
Material					
Items	Qt.	Qt. Tests	Prix unité/lot	Total	URL
PLA for 3D printed (in g.)	10,00	0,00	0,50 \$	5,00 \$	échoFab
White acrylic	0,50	0,00	125,00 \$	62,50 \$	https://www.troteclaser.com
Black acrylic	0,50	0,00	125,00 \$	62,50 \$	https://www.troteclaser.com
Wood frame	1,00	0,00	14,67 \$	14,67 \$	https://www.deserres.ca/fr/apbreg
Rusian plywood	2,00	2,00	5,99 \$	23,96 \$	https://www.deserres.ca/fr/appanneau
Rubber tube	1,00	0,00	1,11 \$	1,11 \$	https://www.digikey.com/product-detail/en/alpha-wire/F221B1-16-BK100/A116B-4-ND/281667
Epoxy glue	1,00	0,00	7,99 \$	7,99 \$	https://www.deserres.ca/fr/5-minute-epoxy-syringe-25ml
Screws	5,00	10,00	0,00 \$	0,00 \$	Recicled from old échoFab's machines
Sub-total circuits				177,73 \$	
Total				290,79 \$	