# Arduino Shield Circuit Board

MEMSDuino

Lafe Spietz

NIST

2024

# Order Custom Circuit Boards

2 Layers Size 78.7x71.1mm 1.6mm
Product No.:W790532ASZ36
Solder mask: Black ⌄
Silkscreen: White ⌄

[PCB Production]
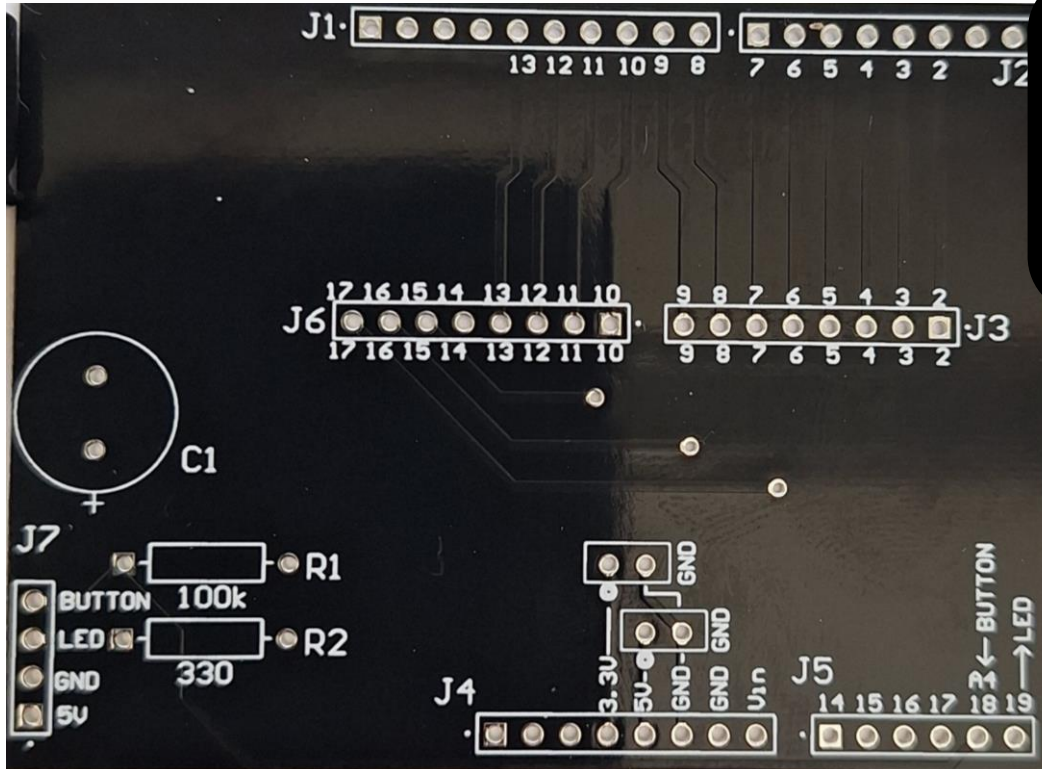
⟳ Build Time: 3-4 days

View

- 10 +

$ 18.18
(0.2kg)

✓ DB25-relay-HV-control-gerbers.zip

Share&Sell

https://www.pcbway.com

71.12 x 53.34 mm
(2.1" x 2.8") size
Black solder mask
White silkscreen
1.6mm FR4



https://github.com/lafefspietz/MEMSduino/raw/main/PCB_files/arduino-to-headers-shield-gerbers.zip

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100 kOhm resistor x1

https://www.digikey.com/en/products/detail/stackpole-electronics-inc/RNF14FTD100K/1706591
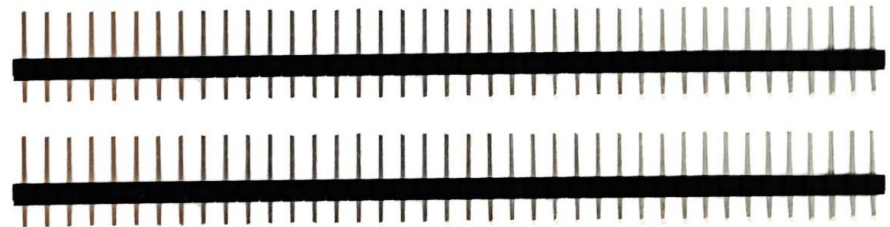
330 Ohm resistor x1

https://www.digikey.com/en/products/detail/stackpole-electronics-inc/CF18JT330R/1741683
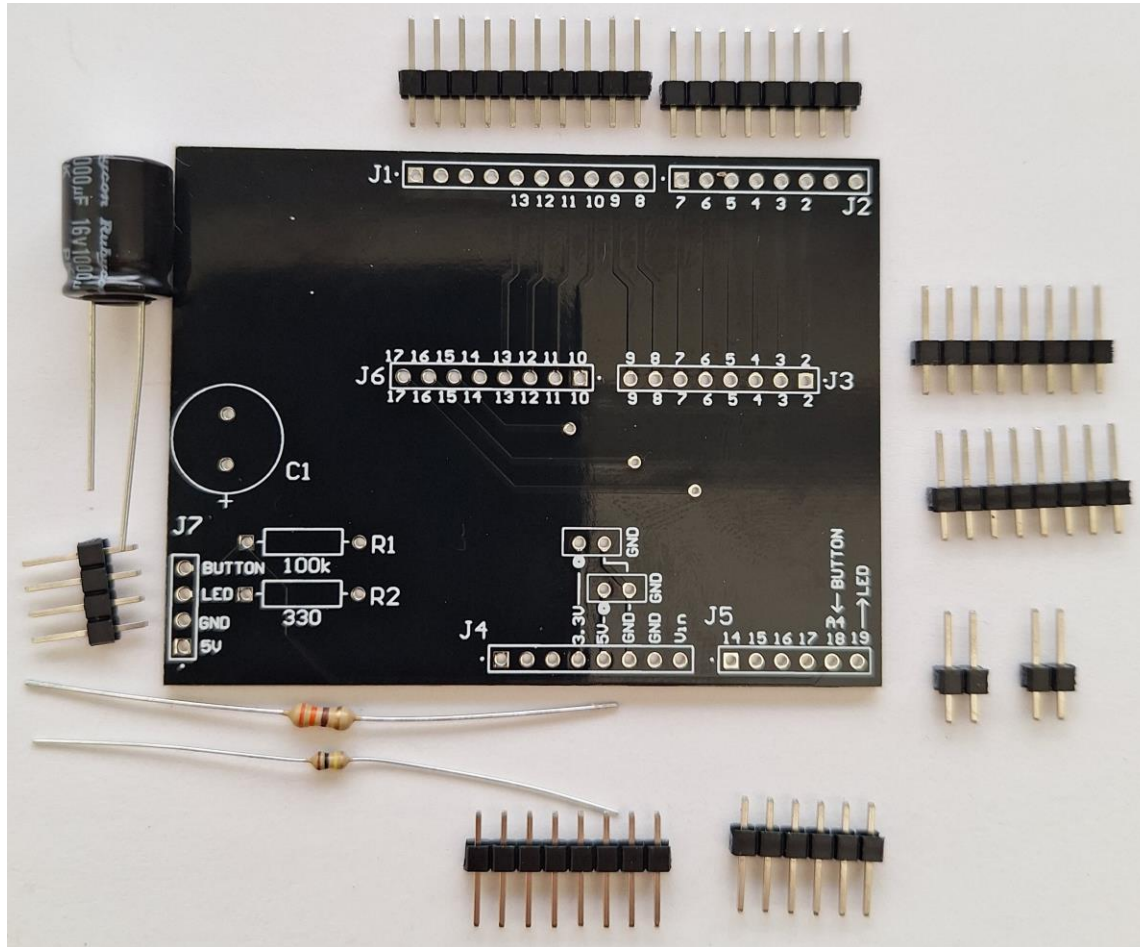
1000 uF Capacitor x1

https://www.digikey.com/en/products/detail/rubycon/16PK1000MEFC10X12-5/3563556

0.1" headers, 40 pin strips x2

https://www.amazon.com/Header-Lystaii-Pin-Connector-Electronic/dp/B06ZZN8L9S/
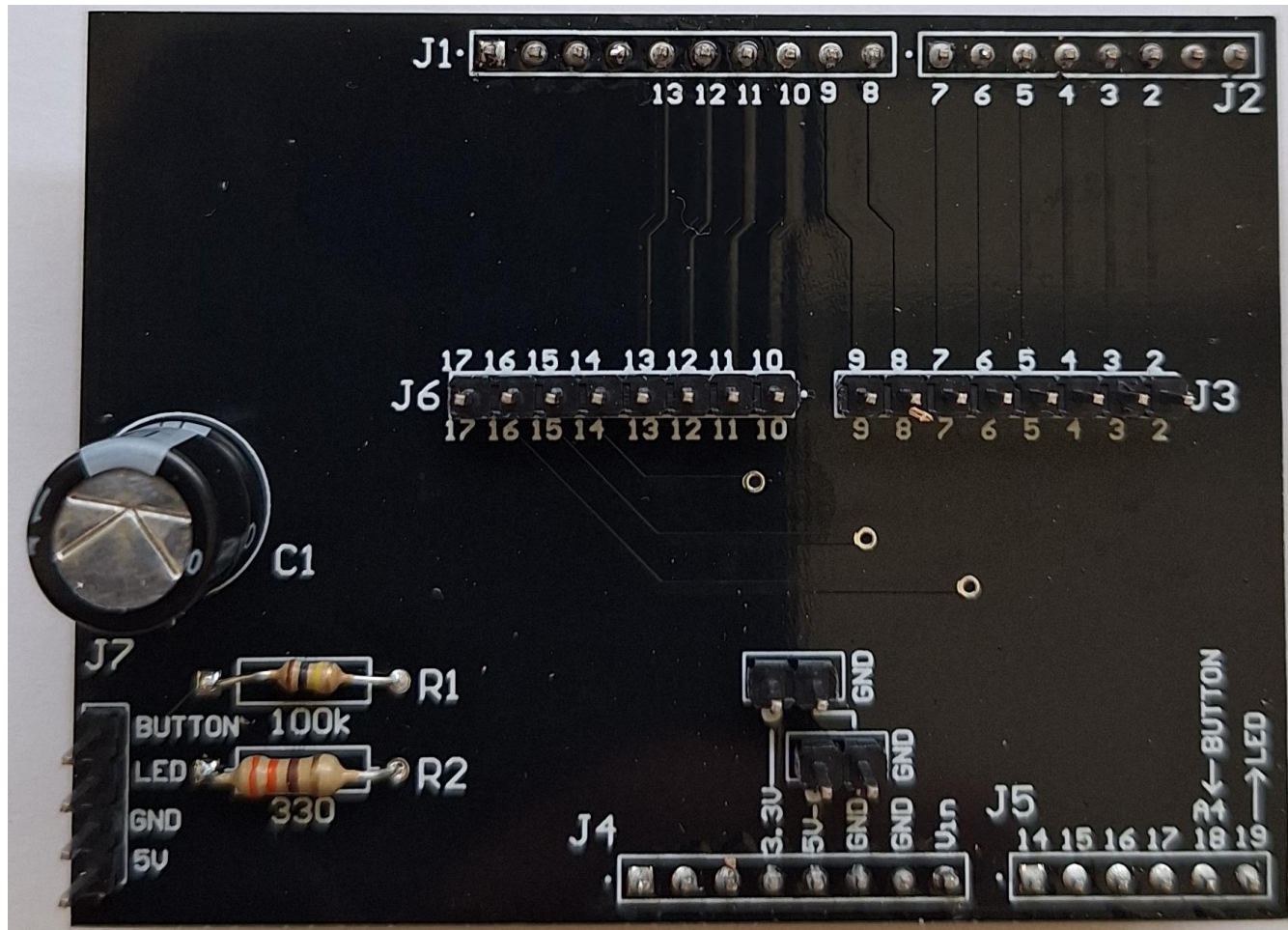
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# Break off strips to correct lengths:
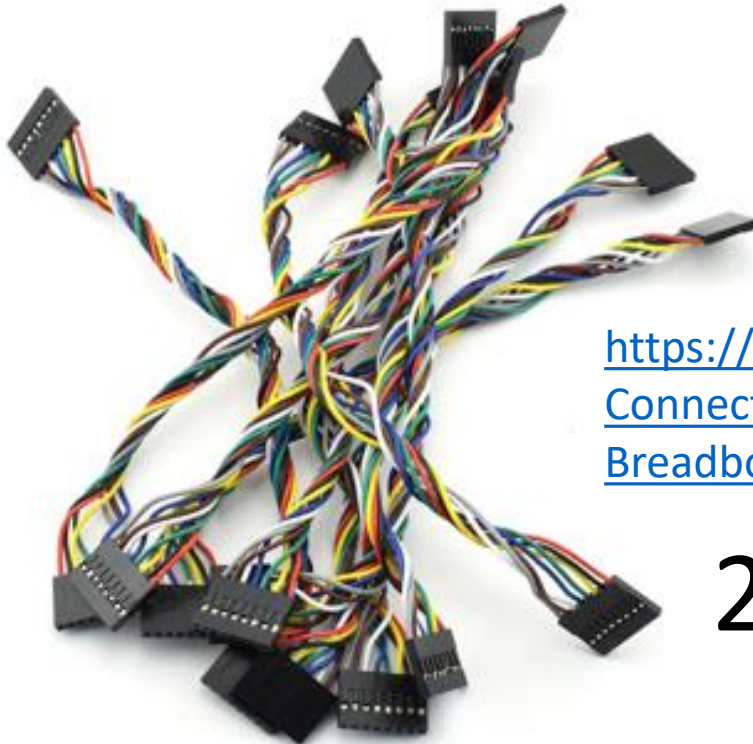


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# Assembly



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# 0.1" Header Cables: 8 pin, 6" long to connect to DB25 Relay Circuit Board
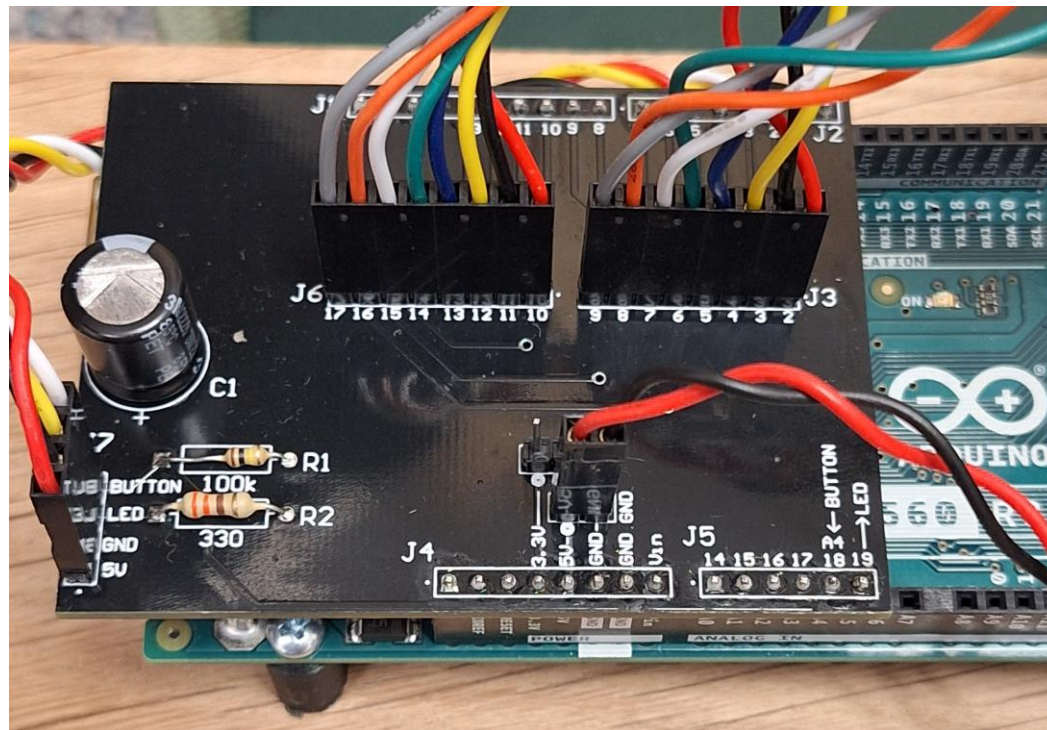


https://www.amazon.com/ZYAMY-Dupont-Connector-Multicolor-Breadboard/dp/B0789F2Y1T/

**2x**

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# Assembly with cables



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