

# 5V to 90V Boost

NIST



QED-C

MEMSDuino

Lafe Spietz

NIST

2024

# Bill of Materials

USB BOOST LINE 5V TO 12V



<https://www.amazon.com/DROK-Boost-Converter-Regulator-Length/dp/B09M3LMSS3/>

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<https://www.amazon.com/Voltage-Converter-Vintage-Indicator-80V-380V/dp/B09D93QNYK>



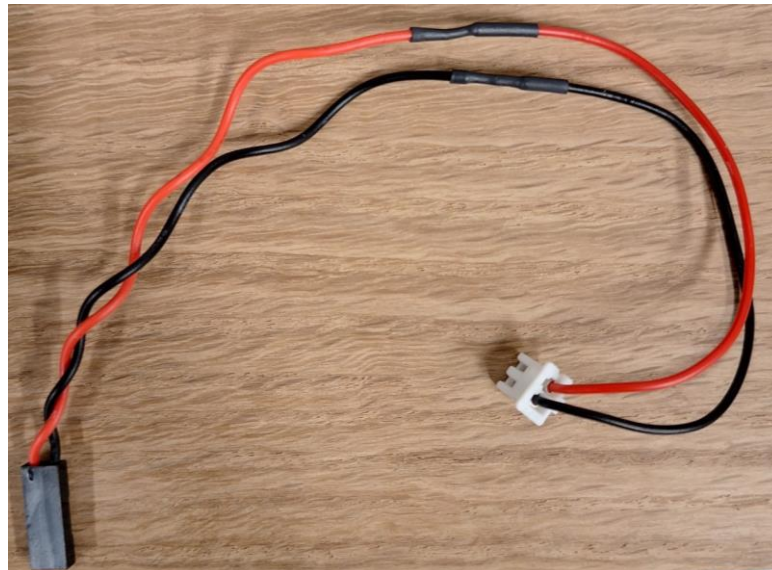
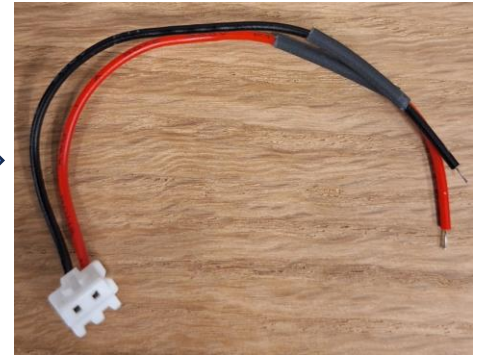
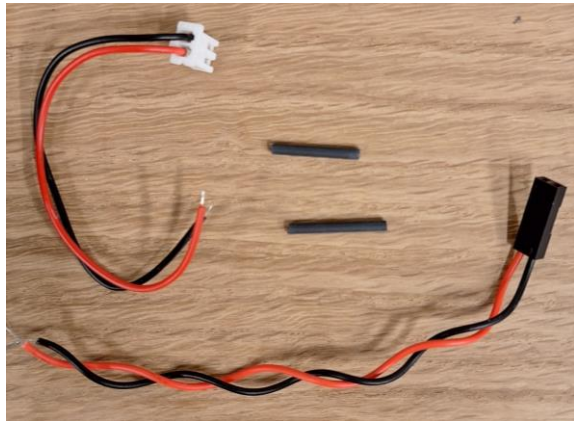
<https://www.amazon.com/ZYAMY-Dupont-Connector-Multicolor-Breadboard/dp/B0B8Z23NWX/>

# Tools and Consumables



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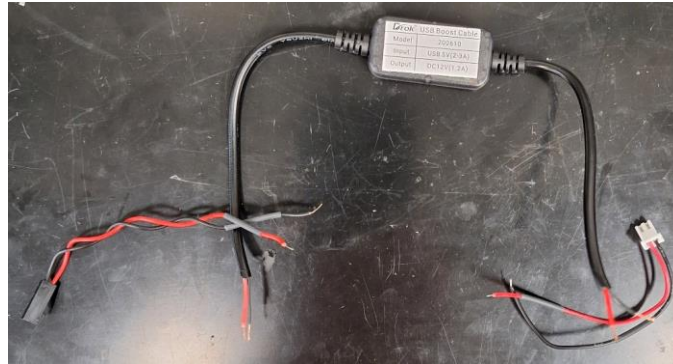
# 90 Volt to DB25 Relay Board Cable Assembly



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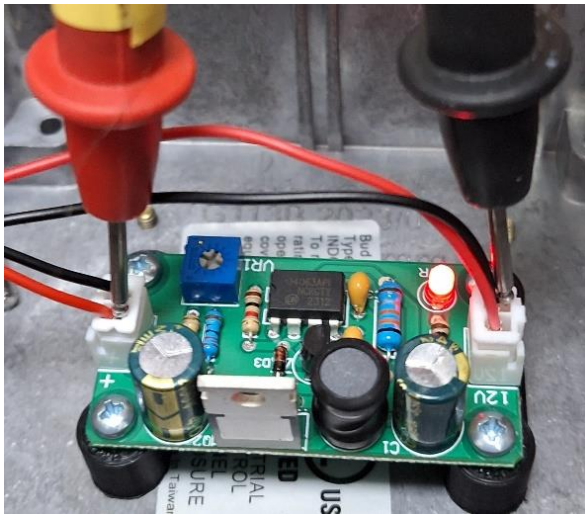


# 5V to 12 V Cable Assembly



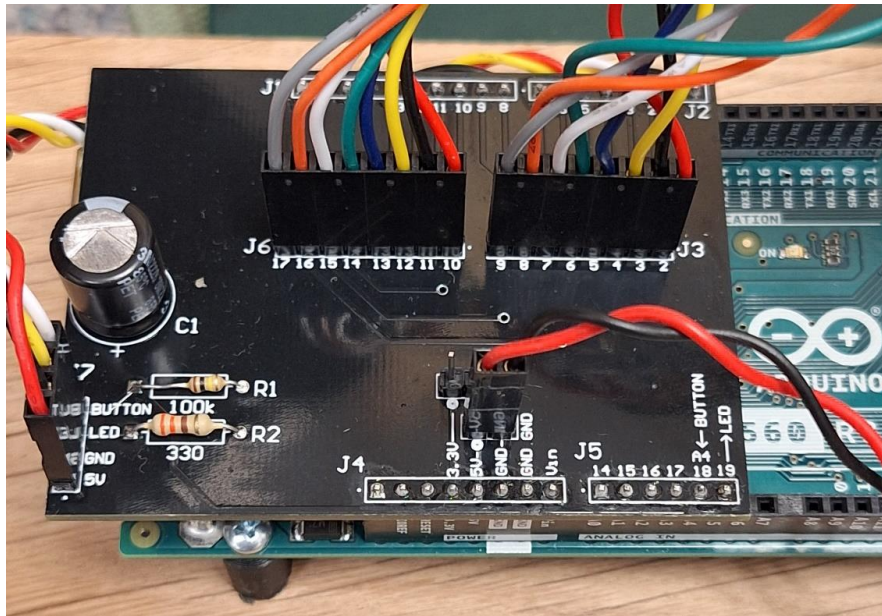
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# Setting the voltage output to 90V



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# Arduino UNO Shield Connection



5V to Boost

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