Opto-Isolator:

1. Link: <https://media.digikey.com/pdf/Data%20Sheets/Lite-On%20PDFs/6N137%20Series.pdf>
   1. Digi-Key Part #: [160-1794-2-ND](https://www.digikey.com/product-detail/en/lite-on-inc/6N137S-TA1/160-1794-2-ND/1969178)
   2. Reverse Voltage: 5V
   3. VDD Max: 7V
   4. Input Forward Voltage: 1.45-1.7V
   5. Input type: Dc
   6. Price: $.94

Mux:

1. Link: <http://www.ti.com/lit/ds/symlink/cd74hc4067.pdf>
   1. Digi-Key Part #: [296-9226-1-ND](https://www.digikey.com/product-detail/en/texas-instruments/CD74HC4067SM96/296-9226-1-ND/376978)
   2. SOIC: <https://www.digikey.com/product-detail/en/texas-instruments/CD74HC4067M96/296-29408-2-ND/1507236>
   3. Voltage range: 2-6V (only has details for 2, 4, and 6 V).
   4. Multiplexer/Demultiplexer circuit: 16:1
   5. Price: $.38

Aux:

1. <https://www.amazon.com/gp/huc/view.html?ie=UTF8&newItems=C10de19e9-9e1f-4409-ad12-5c9f6bc3ec91%2C1>

Connector:

1. <https://www.digikey.com/product-detail/en/phoenix-contact/1792876/277-2519-ND/3439931>

Fuse:

1. [https://www.digikey.com/product-detail/en/eaton/BK-PCB-1-2-R/283-2757-ND/954k337](https://www.digikey.com/product-detail/en/eaton/BK-PCB-1-2-R/283-2757-ND/954337)