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| Linac Controller BOM | |  |  |  |
| **Description** | **PN** | **Qty** | **Vendor** | **Unit Price ($)** |
| Microcontroller | Atmel328-PU | 1 | Sparkfun | 5.5 |
| USB Serial | FT232RL | 1 | Sparkfun | 14.95 |
| Analog MUX | CD74HC4052E | 1 | Digikey | 1.78 |
| Breadboard | PRT-12002 | 1 | Sparkfun | 4.95 |
| Crystal 16MHz | COM-00536 | 1 | Sparkfun | 0.95 |
| Pushbutton Switch | COM-00097 | 1 | Sparkfun | 0.35 |
| Headers | PRT-00116 | 1 | Sparkfun | 1.5 |
| 22 pF Capacitor | COM-08571 | 2 | Sparkfun | 0.25 |
| 220 Ohm resistor | CF14JT220R | 1 | Digikey | 0.005 |
| 10 kOhn resistor | CF14JT10K0 | 1 | Digikey | 0.005 |
| PS2 Extension Cable | B000234JL6 | 1 | Amazon | 2.95 |
| Project Case | WIG-08632 | 1 | Sparkfun | 5.98 |
|  |  |  | **Total** | 39.42 |