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| Table 10: Comprehensive Bill of materials (BOM) for the keyboard prototype | | | |
| Component | Description | Quantity | Price ($) |
| ATMEGA32A-PU | Microchip | 1 | 4.67 |
| 1-2199299-5 | DIP Socket | 1 | 1.15 |
| 512-1N4148TR | Semiconductor | Number of switches | 0.07\*20 |
| TZX3V6A-TR | Semiconductor | 2 | 0.27 |
| MF-R050 | Circuit protector | 1 | 0.46 |
| 603-CFR-12JR-52-75R | Carbon-Film resistor | 2 | 0.14 |
| MFR-12FTF52-1K5 | Resistor | 2 | 0.19 |
| MFR-12FTF52-10K | Resistor | 1 | 0.19 |
| UMT1H4R7MDD | Capacitor | 1 | 0.28 |
| RDER71H104K0M1H03A | Capacitor | 2 | 0.41 |
| RCE5C2A220J0A2H03B | Capacitor | 2 | 0.64 |
| ABL-16.000MHz-B4Y | Timing crystal | 1 | 0.45 |
| MJTP1230A | Tactile switch | 2 | 0.26 |
| LTL-4222 | LED light | 1 | 0.16 |
| 68602-406HLF | Wire housing | 1 | 0.39 |
| USB4085-GF-A | USB receptacle | 1 | 1.3 |
| PCB | Keyboard Shell | 1 | 7 |
| Switches | Switches | Number of switches | 0.2\*20 |
| Keycaps | Keycaps | Number of switches | 0.3\*20 |
| TOTAL: | | | $ 29.6 |