Table 1

| Name | Part | Value | Device | Package | DigiKey Part | Herrsteller Part | Herrsteller | Delivery | Quantity pB | Quantity | Unit Price | Board Price \$ |
|------------------------------------|------------------------------|--------------------|----------------|--------------------------|---------------------|-------------------|---|----------|-------------|----------|------------|----------------|
| Capacitor | C1, C2 | 22p | CAP | 1206 | 1276-1203-1-ND | CL31C220JBCNNNC | Samsung Electro- Mechanics America, Inc | Cut Tape | 2 | | 0,13000 | 0,26 |
| Capacitor | С3 | 100µ | CAP | CAPAE660X800N | PCE3750CT-ND | EEE-HC1C101XP | Panasonic Electronic Components | Cut Tape | 1 | | 0,57000 | 0,57 |
| Capacitor | C4 | 10 <i>µ</i> | CAP | 1206 | 399-1299-1-ND | C1206C106Z8VACTU | Kemet | Cut Tape | 1 | | 0,16000 | 0,16 |
| Capacitor | C5 | 100n | CAP | 1206 | 399-1249-1-ND | C1206C104K5RACTU | Kemet | Cut Tape | 1 | | 0,08000 | 0,08 |
| Resistor-Array | CTS742C083_1 CTS742C083_2 | 1k | RESISTOR | 0603 | 742C083102JPCT-ND | 742C083102JP | CTS Resistor Products | Cut Tape | 2 | | 0,08000 | 0,16 |
| Resistor-Array | CTS742C083_3 CTS742C083_4 | 10 | RESISTOR | 0603 | 742C083100JPCT-ND | 742C083100JP | CTS Resistor Products | Cut Tape | 2 | | 0,08000 | 0,16 |
| DIFFERENTIAL BUS TRANSCEIVER | IC1 | | TRANSRECIVER | D R-PDSO-G8 (8- SOIC) | 296-14955-1-ND | SN75176ADR | Texas Instruments | Cut Tape | 1 | | 0,67000 | 0,67 |
| Johnson Decade Counter | IC2 | 74HC(T)4017 | COUNTER | 16-SOIC | 568-8146-1-ND | 74HC4017D,653 | NXP Semiconductors | Cut Tape | 1 | | 0,57000 | 0,57 |
| NPN Darlington Array | IC3 | ULN2803A | BJT TRANSISTOR | 18-SOL | ULN2803AFWGCELCT-ND | ULN2803AFWG,C,EL | Toshiba Semiconductor and Storage | Cut Tape | 1 | | 0,51000 | 0,51 |
| Regulator | IC4 | 7805 | REGULATOR | TO-252-3 | MC7805CDTRKGOSCT-ND | MC7805CDTRKG | ON Semiconductor | Cut Tape | 1 | | 0,53000 | 0,53 |
| Power | J1 | 102A | CONNECTOR | 2.1mm ID, 5.5mm OD | CP-102A-ND | PJ-102A | CUI Inc | Single | 1 | | 1,00000 | 1,00 |
| Lights | JP1 | 2x8 | CONNECTOR | 0.100" | 609-3337-ND | 68021-116HLF | FCI | Bulk | 1 | | 0,61000 | 0,61 |
| In / Out | JP2 | 1x3 | CONNECTOR | 0.100" | 609-3461-ND | 68000-103HLF | FCI | Bulk | 2 | | 0,15000 | 0,30 |
| P.Select | JP4 | 2x3 | CONNECTOR | 0.100" | 609-3210-ND | 67996-206HLF | FCI | Bulk | 1 | | 0,29000 | 0,29 |
| Transistor | Q2 - Q9 | MMBT4403 | TRANSISTOR | SOT-32 | MMBT4403LT3GOSCT-ND | MMBT4403LT3G | ON Semiconductor | Cut Tape | 8 | | 0,12000 | 0,96 |
| Quarz Crystal | Q1 | 20MHZ | CRYSTAL | 20MHZ | 300-6142-1-ND | HCM49-20.000MABJT | Citizen Finetech Miyota | Cut Tape | 1 | | 0,63000 | 0,63 |
| Resistor | R17 | 1k | RESISTOR | 1206 | 311-1.00KFRCT-ND | RC1206FR-071KL | RC1206FR-071KL | Cut Tape | 1 | | 0,10000 | 0,10 |
| Microcontroller | U\$1 | ATTINY2313A -SU | μC | SO20L | ATTINY2313A-SU-ND | ATTINY2313A-SU | Atmel | Tube | 1 | | 1,58000 | 1,58 |
| DMX in | | female | PORT | XLR, female | SC1906-ND | PD3FRA2 | Switchcraft Inc. | Bulk | 1 | | 2,24000 | 2,24 |
| DMX out | | male | PORT | XLR, male | SC1512-ND | PD3MSC1 | Switchcraft Inc. | Bulk | 1 | | 3,01000 | 3,01 |
| Total | | | | | | | | | | | | 14,39 |