

Bill Of Materials for KBD2 Issue 1

Design Title KBD2 Issue 1
Author
Document Number
Revision 1
Assembly Variant USB update
Design Created 20 September 2020
Design Last Modified 19 November 2020
Total Parts In Design 43

0 Modules

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>PCB Package</u> | <u>Name</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|--------------|--------------------|-------------|-------------------|------------------|
| Sub-totals: | | | | | | |
| | | | | | | £0.00 |

16 Capacitors

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>PCB Package</u> | <u>Name</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|---------------------------|--------------|---------------------------|--------------------|--------------------|------------------|
| 10 | C1-C6,C10, C12,C15,C17 | 100n | MURATA-RDE-CAP | RDER71H104K0M1H03A | Farnell 2990797 | |
| 2 | C7,C11 | 10U | CAPPRD250W50D630H127 0 | MCGPR100V106M6 | Farnell 9451560 | |
| 2 | C8-C9 | 18pF | MURATA-RDE-CAP | MC0805N180J500A5 | Farnell 1694210 | |
| 1 | C14 | 22U | CAPPRD250W50D630H127 0 | MCGPR25V226M5X11 | Farnell 9451161 | |
| 1 | C25 | 100U | CAPPRD250W50D630H127 0 | PCELEC100U25V180M | Farnell 2068981 | |
| Sub-totals: | | | | | | £0.00 |

3 Resistors

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>PCB Package</u> | <u>Name</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|--------------|--------------------|--------------------|--------------------|------------------|
| 1 | R3 | 1k | RES40 | MRS25000C1001FCT00 | Farnell 9465170 | |
| 2 | R4-R5 | 10k | RES40 | MRS25000C1002FCT00 | Farnell 9463976 | |
| Sub-totals: | | | | | | £0.00 |

8 Integrated Circuits

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>PCB Package</u> | <u>Name</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|--------------------------|--------------------|----------------------|---------------------|------------------|
| 1 | U1 | 74LS273 | DIL20 | 74LS273 | | |
| 1 | U2 | PIC24FJ128GB202- I/SP | SPDIL28 | PIC24FJ128GB202-I/SP | Microchip Direct | |
| 1 | U3 | 74LS688 | DIL20 | 74LS688 | | |
| 1 | U4 | 74LS244 | DIL20 | 74LS244 | | |
| 1 | U6 | 74LS32 | DIL14 | 74LS32 | | |
| 1 | U7 | 74LS132 | DIL14 | 74LS132 | | |
| 1 | U8 | 74LS74 | DIL14 | 74LS74 | | |
| 1 | U10 | MCP1702-3302E/TO | TO92-50 | MCP1702T-33 | Farnell 1331485 | |
| Sub-totals: | | | | | | £0.00 |

0 Transistors

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>PCB Package</u> | <u>Name</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|--------------|--------------------|-------------|-------------------|------------------|
| Sub-totals: | | | | | | |
| | | | | | | £0.00 |

1 Diodes

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>PCB Package</u> | <u>Name</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|--------------|--------------------|-------------|-------------------|------------------|
|-----------------|-------------------|--------------|--------------------|-------------|-------------------|------------------|

| | | | | | |
|---|----|----------|------|----------|--------------------|
| 1 | D2 | 1N4148TR | DO35 | 1N4148TR | Farnell 9843680 |
|---|----|----------|------|----------|--------------------|

Sub-totals: £0.00

15 Miscellaneous

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>PCB Package</u> | <u>Name</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|----------------------|---------------------|--------------------|-------------------|--------------------|------------------|
| 6 | +5V,3V3,GND, TP1-TP3 | TP | TP | TP | No fit | |
| 1 | E1 | INTERAK_ISBUS_B_2 | INTERAK_ISBUS_B_2 | INTERAK_ISBUS_B_2 | No fit | |
| 1 | J1 | 61400416021 | 61400416021 | 61400416021 | Farnell 1696534 | £0.45 |
| 1 | J2 | CONN-SIL6 | CONN-SIL6 | CONN-SIL6 | | |
| 1 | J3 | 615006138421 | 615006138421 | 615006138421 | NO FIT | |
| 1 | J4 | Multicomp 2211S-06G | CONN-SIL6 | CONN-SIL6 | NO FIT | £0.03 |
| 1 | J5 | LINK | CONN-SIL2 | CONN-SIL2 | | |
| 1 | RN1 | 10k | 4609M | 4609M-101-103LF | Farnell 2908113 | |
| 1 | SW1 | ADE0804 | ADE0804 | ADE0804 | Farnell 1123941 | |
| 1 | X1 | TXC9B16000MAAJB | HC49US | TXC9B16000MAAJB | Farnell 1842216 | |

Sub-totals: £0.48

Totals: £0.48

19 November 2020 20:36:29