

## IOEXP BOM

| Designator   | Description                     | Manufacturer                | Manufacturer Part Number | Supplier | Supplier Part Number    | Quantity |
|--------------|---------------------------------|-----------------------------|--------------------------|----------|-------------------------|----------|
|              | CONN JUMPER SHORTING GOLD FLASH | Sullins Connector Solutions | SPC02SYAN                | Digi-Key | S9001-ND                | 2        |
| C13          | CAP CER 1UF 16V X7R 0603        | Samsung Electro-Mechanics   | CL10B105MO8NNWC          | Digi-Key | 1276-6524-1-ND          | 1        |
| C1,C5        | CAP CER 0.1UF 16V Y5V 0603      | Samsung Electro-Mechanics   | CL10F104ZO8NNNC          | Digi-Key | 1276-1258-1-ND          | 2        |
| C2,C4        | CAP CER 10UF 16V X5R 0805       | Samsung Electro-Mechanics   | CL21A106KOFNNNE          | Digi-Key | 1276-2893-1-ND          | 2        |
| C3           | CAP CER 0.33UF 35V X5R 0603     | TDK Corporation             | CGA3E3X5R1V334M080AB     | Digi-Key | 445-12479-1-ND          | 1        |
| CN1          | CONN HEADER 120POS W/POST SMD   | Hirose Electric             | FX10A-120S/12-SV1(71)    | Digi-Key | H11234-ND               | 1        |
| D1           | LED RED CLEAR CHIP SMD          | Lite-On Inc.                | LTST-C193KRKT-5A         | Digi-Key | 160-1830-1-ND           | 1        |
| D2           | LED BLUE CLEAR CHIP SMD         | Lite-On Inc.                | LTST-C193TBKT-5A         | Digi-Key | 160-1827-1-ND           | 1        |
| IC1          | IC INVERTER 1CH 1-INP SC70-5    | Texas Instruments           | SN74LVC1G04DCKR          | Digi-Key | 296-11600-1-ND          | 1        |
| J8,J10       | CONN HEADER .100 SNGL STR 16POS | Sullins Connector Solutions | PREC016SAAN-RC           | Digi-Key | S1012EC-16-ND           | 2        |
| J1-J2,J6-J7  | CONN HEADER .100 SNGL STR 2POS  | Sullins Connector Solutions | PREC002SAAN-RC           | Digi-Key | S1012EC-02-ND           | 4        |
| J3-J4        | CONN HEADER .100 SNGL STR 3POS  | Sullins Connector Solutions | PREC003SAAN-RC           | Digi-Key | S1012EC-03-ND           | 2        |
| J5           | CONN PWR JACK 2X5.5MM SOLDER    | CUI Inc.                    | PJ-002AH-SMT-TR          | Digi-Key | CP-002AHPJCT-ND         | 1        |
| J9           | DIL VERTICAL PC TAIL PIN HEADER | Harwin Inc.                 | M20-9980346              | Digi-Key | 952-2121-ND             | 1        |
| R5-R6,R8,R10 | RES SMD 10K OHM 5% 1/4W 0603    | Rohm Semiconductor          | ESR03EZPJ103             | Digi-Key | RHM10KDCT-ND            | 4        |
| R1,R3-R4,R9  | RES SMD 1K OHM 5% 1/4W 0603     | Rohm Semiconductor          | ESR03EZPJ102             | Digi-Key | RHM1.0KDCT-ND           | 4        |
| R2           | RES SMD 100K OHM 5% 1/4W 0603   | Rohm Semiconductor          | ESR03EZPJ104             | Digi-Key | RHM100KDCT-ND           | 1        |
| U10          | IC PWR SW USB SOT25             | Torex Semiconductor         | XC8107AC20MR-G           | Mouser   | 865-XC8107AC20MR-G      | 1        |
| U1           | IC REG LIN 5V 1.5A DDPK/TO263-3 | Texas Instruments           | UA7805CKTTR              | Digi-Key | 296-20796-1-ND          | 1        |
| U2           | IC REG LINEAR 3.3V 1A SOT223-3  | Microchip Technology        | MCP1826ST-3302E/DB       | Digi-Key | MCP1826ST-3302E/DBCT-ND | 1        |

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