

| Item | Quantity | Reference | Part | Manufacturer PN | Manufacturer | FootPrint | Digikey P/N | Description |
|------|----------|---|--------------------------|---------------------|----------------------------------|---------------------|----------------|--|
| 1 | 6 | C1,C2,C3,C4,C11,C12 | 0.1uF | C0603X751A104M030BC | TDK Corporation | 201 | 445-9018-1-ND | CAP CER 0.1UF 10V X7S 0201 |
| 2 | 2 | C5,C6 | 10uF | GRM21BR71A106KE51L | Murata Electronics North America | 805 | 490-3905-1-ND | CAP CER 10UF 10V X7R 0805 |
| 3 | 4 | C7,C8,C9,C10 | 1uF | C1608XR1A105K080AC | TDK Corporation | 603 | 445-1321-1-ND | CAP CER 1UF 10V X5R 0603 |
| 4 | 2 | C13,C14 | 0.01uF | CC0201KRX7R7BB103 | Yageo | 201 | 311-1404-1-ND | CAP CER 10000PF 16V X7R 0201 |
| 5 | 1 | C15 | 22uF | CL21A226MQCLQNC | Samsung | 201 | 1276-2412-1-ND | CAP CER 22UF 6.3V X5R 0805 |
| 6 | 1 | C16 | .22uF | GRM155R61A224KE19D | Murata Electronics North America | 402 | 490-3910-1-ND | CAP CER 0.22UF 10V X5R 0402 |
| 7 | 1 | D1 | LED Green 0805 | LTST-C170KGKT | Lite-On Inc. | 805 | 160-1414-1-ND | LED GREEN CLEAR 0805 SMD |
| 8 | 8 | J1,J2,J3,J4,J5,J6,J7,J8 | HDR3X2 .1X.1 | PEC03SAAN | Sullins Connector Solutions | HDR_THVT_2X3_100 | S1012E-03-ND | CONN HEADER .100 SINGL STR 3POS |
| 9 | 3 | J9,J10,J11 | HDR2X1 M .1 | PEC02SAAN | Sullins Connector Solutions | HDR_THVT_1x2_100 | S1012E-02-ND | CONN HEADER .100 SINGL STR 2POS |
| 10 | 1 | P1 | USB3.0 Type B Receptacle | 692221030100 | Würth Electronics Inc | USB3_TYPEB_AK4AA009 | 732-3158-ND | USB - B USB 3.0, Super Speed Receptacle Connector 9 Position Through Hole, Right Angle, Horizontal |
| 11 | 1 | P2 | USB3 Type A Receptacle | 1932258-1 | TE Connectivity AMP Connectors | USB3_TYPEA | A101494-ND | USB - A USB 3.0, Super Speed Receptacle Connector 9 Position Through Hole, Right Angle, Horizontal |
| 12 | 17 | R1,R3,R4,R6,R7,R9,R10,R12,R13,R15,R16,R18,R19,R21,R22,R24,R25 | 1k | ERJ-2GEJ102X | Panasonic | 402 | P1.0KJCT-ND | RES SMD 1K OHM 5% 1/10W 0402 |
| 13 | 8 | R2,R5,R8,R11,R14,R17,R20,R23 | 20k | ERJ-2RKF2002X | Panasonic | 402 | P20.0KJCT-ND | RES SMD 20K OHM 1% 1/10W 0402 |
| 14 | 1 | R26 | 0 Ohm | ERJ-6GEY0R00V | Panasonic | 805 | P0.0ACT-ND | RES SMD 0.0 OHM JUMPER 1/8W 0805 |
| 15 | 1 | R27 | 10k | RC0805JR-0710KL | Yageo | 805 | 311-10KARCT-ND | RES SMD 10K OHM 5% 1/8W 0805 |
| 16 | 1 | R28 | 300 Ohm | ERJ-2GEJ301X | Panasonic | 402 | P300JCT-ND | RES SMD 300 OHM 5% 1/10W 0402 |
| 17 | 1 | SW1 | Switch - Push Button | EVQ-PAD05R | Panasonic | SW_THVT_EVQPAX05 | P10890S-ND | SWITCH TACTILE SPST-NO 0.02A 15V |
| 18 | 1 | U1 | TUSB522PRGE | TUSB522PRGE | Texas instruments | QFN | N/A | Dual channel USB 3.1 redriver |
| 19 | 1 | U2 | LP5907 | LP5907MFX-3.3/NOPB | Texas instruments | DBV_R-PDSO-G5 | 296-38557-1-ND | IC REG LDO 3.3V 0.25A SOT23-5 |
| 20 | 4 | Shunt | Shunt | 969102-0000-DA | 3M | | 3M9580-ND | Place shunts on J1, J2, J3, J4 |
| 21 | 1 | PCB | | INT039 | ANY | | | PCB board |

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