





















| Description   | Designator   | Footprint                    | LibRef   | Quantity | Supplier 1 | Supplier Link  |
|---|--|------------------------------|--|----------|------------|--|
| CAP CER 1UF 25V X7R 0603  | C201   | TDK-CGA3E                    | PC-TDK-02603                                     | 1        | Digi-key   | http://www.digikey.ca/product-search/en?keywords=445-6931-1-ND   |
| CAP CER 0.1UF 50V X7R 0402  | C202, C204   | TDK-CGA2B                    | PC-TDK-02259                                     | 2        | Digi-key   | http://www.digikey.ca/product-search/en?keywords=445-6899-1-ND   |
| CAP CER 10UF 25V X7R 1206   | C203   | TDK-CGA5L                    | PC-TDK-02917                                     | 1        | Digi-key   | http://www.digikey.ca/product-search/en?keywords=445-6990-1-ND   |
| CAP CER 0.1UF 35V X7R 0402, CAP CER 0.1UF 50V X7R 0402, CAP CER 100PF 50V COG 0402                  | C301, C401_PD1, C401_PD2,<br>C401_PD3, C402_PD1,<br>C402_PD2, C402_PD3, C501_T1,<br>C501_T2, C501_T3 | TDK-CGA2B                    | PC-TDK-02255, PC-<br>TDK-02259, PC-TDK-<br>01227 | 10       | Digi-key   | http://www.digikey.ca/product-search/en?keywords=445-6901-1-ND, http://www.digikey.ca/product-search/en?keywords=445-6899-1-ND, http://www.digikey.ca/product-search/en?keywords=445-5596-1-ND |
| SENSOR PHOTODIODE 850NM 2SMD<br>GW  | D401_PD1, D401_PD2,<br>D401_PD3  | PDB-C160SM                   | PXX-ADP-00000                                    | 3        | Digi-key   |  |
| SCHOTTKY BARRIER RECTIFIERS 4.0 AMPERES, 10 VOLTS, V_F = 0.31V                                      | D601, D602, D603   | ONS-875                      | PXX-ONS-00003                                    |          | Digi-key   | #https://www.digikey.com/product-detail/en/on-<br>semiconductor/MBRS410LT3G/MBRS410LT3GOSCT-<br>ND/1967073#  |
|   | M701   | ANTENNA_SADDLE               | PXX-ABS-00001                                    | 1        | Digi-key   |  |
| CMOS Amplifier 2 Circuit Rail-to-Rail 8-<br>WSON (2x2)  | OP301  | TI-DSG0008A                  | 73   | 1        | Digi-Key   | #https://www.digikey.ca/product-detail/en/texas-instruments/OPA2333PIDSGR/296-51501-1-ND/9745865#  |
|   | P701, P702   | DEPHINGE_MOUNTIN G_HOLE_BODY | PXX-ABS-00004                                    | 2        | Digi-key   |  |
| CONN HEADER SMD R/A 12POS 1.5MM   | P801   | MOLX-5040501291              | 71   | 1        | Digi-Key   | #https://www.digikey.ca/product-detail/en/molex/5040501291/WM16219CT-ND/6702294#   |
| CONN HEADER SMD R/A 10POS 1.5MM   | P802   | MOLX-5040501091              | 69   | 1        | Digi-Key   | #https://www.digikey.ca/product-detail/en/molex/5040501091/WM10138CT-ND/4357655#   |
| CONN HEADER SMD R/A 4POS 1.5MM  | P803, P804   | MOLX-5040500491              | 63   | 2        | Digi-Key   | #https://www.digikey.ca/product-detail/en/molex/5040500491/WM10137CT-ND/4357653#   |
|   | PV601, PV602, PV603, PV604,<br>PV605, PV606  | XTJ Prime                    | PBT-SPEC-00002                                   | 6        | Spectrolab |  |
| RES SMD 6.2K OHM 0.1% 1/16W 0402,<br>RES SMD 24K OHM 0.1% 1/16W 0402                                | R301, R306, R401_PD1,<br>R401_PD2, R401_PD3  | PANA-ERA2A                   | 16853, 17830                                     | 5        | Digi-Key   | http://www.digikey.ca/product-<br>search/en?keywords=P6.2KCNCT-ND,<br>http://www.digikey.ca/product-<br>search/en?keywords=P24KCNCT-ND   |
| RES SMD 1M OHM 0.1% 1/8W 0805,<br>RES SMD 845K OHM 0.1% 1/8W 0805                                   | R302, R304, R305, R307   | PANA-ERA6A                   | 19706, 19643                                     | 4        | Digi-Key   | http://www.digikey.ca/product-<br>search/en?keywords=P1MDACT-ND,<br>http://www.digikey.ca/product-<br>search/en?keywords=P845KDACT-ND  |
| RES SMD 0.01 OHM 0.1% 1W 2512   | R303   | VSH-2512R4C                  | PR-VSH-00237                                     | 1        | Digi-key   | http://www.digikey.ca/product-search/en?keywords=Y1487-<br>.01-ND  |
| 21 Ohms ±1% 1W Through Hole Resistor<br>Axial Flame Proof, Moisture Resistant,<br>Safety Metal Film | R702, R703, R704   | VSH-CPF1                     | PR-VSH-00317                                     | 3        | Digi-key   | #https://www.digikey.ca/product-detail/en/vishay-dale/CPF121R000FKEE6/CPF21.0CCT-ND/2713126#   |
| SWITCH SNAP ACT SPDT 500MA 30V  | S701, S702, S703   | PANA-AV4424                  | 20035  | 3        | Digi-Key   | #https://www.digikey.com/product-detail/en/panasonic-<br>electric-works/AV4424/255-3743-ND/646766#   |
| PC TEST POINT MINI SMD  | TP101, TP102, TP103, TP104, TP105, TP106, TP107, TP108   | KS-5017                      | PTP-KS-00001                                     | 8        | Digi-key   | http://www.digikey.ca/product-detail/en/keystone-<br>electronics/5017/36-5017TR-ND/2217304   |
| IC ADC 12BIT SAR 20LFCSP-WQ   | U201   | ADI-CP-20-8                  | PU-ADI-00007                                     | 1        | Digi-key   | #https://www.digikey.ca/product-detail/en/analog-devices-inc/AD7298BCPZ/AD7298BCPZ-ND/2507320#   |
| Temperature Sensor Analog, Local -55°C ~ 150°C 5.194mV/°C 4-DSBGA (0.81x0.81)                       | U501_T1, U501_T2, U501_T3  | TI-YFQ0004                   | 70   | 3        | Digi-Key   | #https://www.digikey.ca/product-detail/en/texas-<br>instruments/LMT70YFQR/296-47337-1-ND/7688347#  |



