







| Comment          | Description                        | Designator          | Footprint       | LibRef           | Quantity | Supplier Part Num | Supplier Part Num | Supplier2 | Supplier 1 | Supplier 2 |
|------------------|------------------------------------|---------------------|-----------------|------------------|----------|-------------------|-------------------|-----------|------------|------------|
| 100nF            | Capacitor, Capacitor               | C1, C5, C14, C20, C | 0805            | Cap              | 19       |                   | 2534051           |           | Farnell    |            |
| 220uF/16V        | Polarized Capacitor                | C2                  | C2917           | Cap Pol          | 1        |                   | 1754097           |           | Farnell    |            |
| 1uF              | 1µF                                | C4                  | TAN-A           | CAP SMD 0603 X5R | 1        |                   | 2533954           |           | Farnell    |            |
| 10nF             | 0603 X7R 10NF                      | C6                  | 0805            | CAP SMD 0603 X7R | 1        |                   | 2534055           |           | Farnell    |            |
| 1nF              | Capacitor                          | C7                  | 0805            | Cap              | 1        |                   | 2534060           |           | Farnell    |            |
| 10pF             | Capacitor 0402 / 060               | C8                  | 0805            | Capacitor_ST     | 1        |                   | 2812149           |           | Farnell    |            |
| 30pF             | Capacitor                          | C9                  | 0805            | CAP              | 1        |                   | 2905258           |           | Farnell    |            |
| 0.1uF            | CAPACITOR POLARIS                  | C10, C11, C12, C13  | TAN-A           | 220UF -5MM       | 4        |                   | 1457402           |           | Farnell    |            |
| 691321300002     | Serie 321 - 3.81mm V               | CN1                 | 691321300002    | 691321300002     | 1        | 53-11-81          | 1642012           |           | Farnell    | RET        |
| MC000129         | Serie 3053 - 3.81mm                | CN2                 | 691305340003    | 691305340003     | 1        | 53-11-82          | 2008109           |           | Farnell    | RET        |
| 691322310002     | Serie 321 - 3.81mm V               | CN3, CN4, CN5, CN   | 691321300002    | 691321300002     | 16       | 53-05-03          | 1642006           |           | Farnell    | RET        |
| FK 222/220SA     | 25mm széles méret:3                | HS1                 | HEAT-FK222      | Header 2         | 1        |                   | 35-00-76          |           | RET        |            |
| Header 36X2      | Header, 36-Pin, Dual               | J1                  | HDR_2x36_2R54_V | Header 36X2      | 1        |                   |                   |           |            |            |
| Header 10X2      | Header, 10-Pin, Dual               | J2                  | HDR2X10-100MIL  | Header 10X2      | 1        |                   |                   |           |            |            |
| Header 4X2       | Header, 4-Pin, Dual                | J3                  | HDR2X4-100MIL   | Header 4X2       | 1        |                   |                   |           |            |            |
| KPT-2012EC       | Typical RED, GREEN                 | LD1, LD2, LD3, LD4, | LED 0805 RED    | LED2             | 16       |                   | 2099236           |           | Farnell    |            |
| KP-2012LSGC      | Typical RED, GREEN                 | LD17                | LED 0805 GREEN  | LED2             | 1        |                   | 2463991           |           | Farnell    |            |
| KPTD-2012LVSURCK | Typical RED                        | LD18                | LED 0805 RED    | LED2             | 1        |                   | 2846595           |           | Farnell    |            |
| 4N36-M           | Optoisolator; Analog               | O1, O2, O3, O4, O5  | 4N35            | 4N35             | 16       |                   | 1021352           |           | Farnell    |            |
| 4K7              | Resistor                           | R1                  | 0805            | res1             | 1        |                   | 2861911           |           | Farnell    |            |
| 330              | Resistor 0805                      | R2, R3              | 0805            | Resistor_ST      | 2        |                   | 2331789           |           | Farnell    |            |
| 47K              | Resistor 0805                      | R4, R5              | 0805            | res1             | 2        |                   | 2861542           |           | Farnell    |            |
| 22K              | Resistor 0805                      | R6, R7              | 0805            | res1             | 2        |                   | 2078964           |           | Farnell    |            |
| 1K               | Resistor 0805                      | R10, R14, R18, R22, | 0805            | Res1             | 16       |                   | 2861522           |           | Farnell    |            |
| 0                | Resistor 0805                      | R11, R15, R19, R23, | 0805            | Res1             | 16       |                   | 1099786           |           | Farnell    |            |
| 1M               | Resistor 0805                      | R12, R16, R20, R24, | 0805            | Res1             | 16       |                   | 2861558           |           | Farnell    |            |
| 820/1W           | Resistor                           | R13, R17, R21, R25, | 2512            | Res1             | 16       |                   | 2861765           |           | Farnell    |            |
| BC 847A          | NPN Bipolar Transisto              | T1, T2              | SO T-23         | NPN              | 2        |                   | 1081231           |           | Farnell    |            |
| LD1086V33        | 1.5A, Low Drop Positi              | U1                  | TO 220          | CMP-0244-00486-1 | 1        |                   | 2806940           |           | Farnell    |            |
| M24M02-DRMN6TP   | 2-Mbit serial I <sup>2</sup> C bus | U2                  | SO IC-8         | M24M02-DRMN6TP   | 1        |                   | 2849970           |           | Farnell    |            |
| MAX3232ESE+      | RS232 LEVEL SHIFTE                 | U3                  | SO16            | MAX232           | 1        | 76-08-76          | 2519455           |           | Farnell    | RET        |
| SMAJ12A-TR       | Schottky Diode                     | Z1                  | SMB             | D Schottky       | 1        | 95-03-93          | 9802754           |           | Farnell    | RET        |