



| Comment        | Description                                | Designator                              | Footprint    | LibRef        | Quantity |
|----------------|--|---|--------------|---------------|----------|
| 0.1uF/10V      | Capacitor                                  | C1, C3, C8, C9, C10, C11, C12, C13, C17 | 0603C        | Cap           | 9        |
| 100uF/6.3V     | Polarized Capacitor (Radial)               | C2                                      | 7343         | Cap Pol1      | 1        |
| 220nF/10V      | Capacitor                                  | C4                                      | 0603C        | Cap           | 1        |
| 33pF/10V       | Capacitor                                  | C5, C6, C7                              | 0603C        | Cap           | 3        |
| 10uF/10V       | Capacitor                                  | C14, C16                                | 0603C        | Cap           | 2        |
| 1000uF/6.3V    | Polarized Capacitor (Radial)               | C93                                     | 7343         | Cap Pol1      | 1        |
| LED0           | Typical INFRARED GaAs LED                  | D1                                      | 0603LED      | LED0          | 1        |
| IPX            | IPEX座                                      | GSM_ANT1                                | IPX          | IPEX          | 1        |
| LED            | Typical RED, GREEN, YELLOW, AMBER GaAs LED | NET                                     | 0603LED      | LED2          | 1        |
| Header 4       | Header, 4-Pin                              | P1, P3, P4                              | HDR1X4       | Header 4      | 3        |
| Header 2       | Header, 2-Pin                              | P2                                      | 2X2.54MM     | Header 2      | 1        |
| S8050          |  | Q1, Q5                                  | SOT23-3      | NPN           | 2        |
| SI2343         | BUK92150-55A                               | Q2, Q3                                  | SOT23-3      | BUK92150-55A  | 2        |
| MMBT9015       |  | Q4                                      | SOT23-3      | PNP           | 1        |
| 1K             | R, Resistor                                | R1, R9, R11, R14, R15, R16              | 0603r        | R, Res2       | 6        |
| 10R/5%         | Resistor                                   | R2, R3, R4                              | 0603R        | Res2          | 3        |
| 10K            | R, Resistor                                | R5, R7, R12, R13, R17, R25, R28         | 0603R        | R, Res2       | 7        |
| 140K           | Resistor                                   | R6                                      | 0603R        | Res2          | 1        |
| 100K           | R  | R8, R10, R19, R21, R23, R26             | 0603R        | R             | 6        |
| 1.15K/1%       | R  | R18                                     | 0603R        | R             | 1        |
| 2.2K           | R  | R20, R24                                | 0603R        | R             | 2        |
| 100K           | Potentiometer                              | R22                                     | HDR1X3       | RPot          | 1        |
| 2K             | R  | R27                                     | 0603R        | R             | 1        |
| SW-PB          | Switch                                     | S1                                      | key          | SW-PB         | 1        |
| nano sim       |  | SIM1                                    | Nano SIM     | nano sim      | 1        |
| SIM800C        |  | U1                                      | SIM800C      | SIM800C       | 1        |
| SMF05C         |  | U2                                      | SC70-6L      | SMF05C        | 1        |
| STM8L151G4U6   |  | U3                                      | UFQFPN28     | STM8L151G4U6  | 1        |
| LM258          |  | U4, U7, U8                              | so-8         | LM258         | 3        |
| TLV70230DBVR   |  | U5                                      | SOT23-5(DBV) | TLV70230DBVR  | 1        |
| TLV431AIDBVRG4 |  | U6                                      | SOT23-5(DBV) | TPS76318      | 1        |
| TL181          | 4-Pin Phototransistor                      | U9                                      | DIP-4        | Optoisolator1 | 1        |