Reference Designators

|  |  |  |
| --- | --- | --- |
| B | BATTERY |  |
| C | 22p |  |
| C1 | 22p |  |
| C2 | 100n |  |
| C3 | 100n |  |
| C4 | 10u |  |
| C5 | 10n |  |
| C6 | 100n |  |
| C7 | 0U1 |  |
| C8 | 4U7 |  |
| C11 | 0U1 |  |
| C12 | 10U |  |
| C13 | 10n |  |
| C14 | 10u |  |
| C15 | 10u |  |
| C16 | 100n |  |
| C17 | 100n |  |
| C18 | 22p |  |
| C19 | 22p |  |
| C20 | 1u |  |
| C21 | 100n |  |
| C22 | 100n |  |
| C23 | 10u |  |
| C24 | 100n |  |
| C25 | 10u |  |
| C26 | 100n |  |
| C27 | 10u |  |
| C28 | 100n |  |
| C29 | 10u |  |
| C30 | 100n |  |
| C31 | 10u |  |
| C32 | 100n |  |
| C33 | 10u |  |
| C34 | 0u1 |  |
| C35 | 0u1 |  |
| C36 | 0u1 |  |
| C37 | 0u1 |  |
| C38 | 0u1 |  |
| C39 | 0u1 |  |
| C44 | .1uF |  |
| C45 | 100n |  |
| C46 | 1uF |  |
| C47 | 1uF |  |
| C48 | 1uF |  |
| D1 |  |  |
| IC1 | 74LVC1G125DCK |  |
| J | Connector |  |
| J1 | ICSP |  |
| J2 | QENC |  |
| J3 | QENC |  |
| J4 | QENC |  |
| J5 | QENC |  |
| J6 | QENC |  |
| J7 | QENC |  |
| J8 |  |  |
| J9 |  |  |
| J10 |  |  |
| J11 |  |  |
| J12 |  |  |
| J13 | ADC |  |
| J14 |  |  |
| J15 |  |  |
| J16 | BRK1 |  |
| J16 |  |  |
| J17 |  |  |
| J17 | BRK1 |  |
| JP1 |  |  |
| JP2 |  |  |
| JP3 | SPDT JUMPER | https://www.sparkfun.com/products/9044 |
| JP4 | SPDT JUMPER | https://www.sparkfun.com/products/9044 |
| JP5 | SPDT JUMPER | https://www.sparkfun.com/products/9044 |
| JP6 | SPDT JUMPER | https://www.sparkfun.com/products/9044 |
| JP7 | SPDT JUMPER | https://www.sparkfun.com/products/9044 |
| LED1 | YELLOW |  |
| LED2 | YELLOW |  |
| LED3 | BLUE |  |
| LED4 | YELLOW |  |
| LED5 | RED |  |
| LED6 | GREEN |  |
| Q | FDN340P |  |
| R | 80.6K |  |
| R1 | 6K8 1% |  |
| R2 | 39R1% |  |
| R3 | 39R1% |  |
| R4 | 100K |  |
| R5 | 4.7K |  |
| R6 | 330 |  |
| R7 | 60 |  |
| R8 | 60 |  |
| R9 | 100K |  |
| R10 | 330 |  |
| R11 | 330 |  |
| R12 | 330 |  |
| R13 | 330 |  |
| R14 | 22k |  |
| R15 | 10k |  |
| R16 | 10k |  |
| R17 | 22 |  |
| R18 | 22 |  |
| R19 | 1K |  |
| R20 | 1k |  |
| R21 | 1k |  |
| R22 | 10K |  |
| R23 | 330 |  |
| R24 | 10K |  |
| R25 | 10K |  |
| R26 | 10K |  |
| R27 | 10K |  |
| R28 | 10K |  |
| R29 | 10K |  |
| R30 | 10K |  |
| R31 | 10K |  |
| R32 | 10K |  |
| R33 | 10K |  |
| R34 | 10K |  |
| R35 | 10K |  |
| R36 | 10K |  |
| R37 | 10K |  |
| R38 | 10K |  |
| R39 | 10K |  |
| R40 | 10K |  |
| R41 | 10K |  |
| R42 | 10K |  |
| R43 | 10K |  |
| R44 | 10K |  |
| R45 | 10K |  |
| R46 | 10K |  |
| R47 | 10K |  |
| R48 | 10K |  |
| R49 | 10k |  |
| R50 | 10k |  |
| R51 | 10k |  |
| R52 | 10k |  |
| R53 | 10k |  |
| R54 | 10k |  |
| R55 | 10k |  |
| R56 | 10k |  |
| R57 | 10k |  |
| R58 | 10k |  |
| R59 | 20K |  |
| R60 | 20K |  |
| R61 | 20K |  |
| R62 | 20K |  |
| R63 | 20K |  |
| R64 | 5K1 |  |
| R65 | 10K |  |
| R66 | 10K |  |
| R67 | 5K1 |  |
| R68 | 20K |  |
| R69 | 20K |  |
| R70 | 20K |  |
| R71 | 20K |  |
| R72 | 20K |  |
| SW1 |  |  |
| SW2 |  |  |
| U1 | ATMega32u2 | ATMEGA32U2-AU-ND |
| U2 | ATTINY45PU | ATTINY45-20PU-ND |
| U3 | ATTINY45PU | ATTINY45-20PU-ND |
| U4 | ATTINY45PU | ATTINY45-20PU-ND |
| U5 | ATTINY45PU | ATTINY45-20PU-ND |
| U6 | ATTINY45PU | ATTINY45-20PU-ND |
| U7 | ATTINY45PU | ATTINY45-20PU-ND |
| U8 | 74LVC2G34 |  |
| U9 | 74LVC2G34 |  |
| U10 | 74LVC2G34 |  |
| U11 | 74LVC2G34 |  |
| U12 | 74LVC2G34 |  |
| U13 | 74LVC2G34 |  |
| U14 | SN65HVD233-HT |  |
| U15 | TXB0108 |  |
| U16 | WIFLY\_RN131C |  |
| U17 | SN74HC24N | 296-1582-5-ND |
| U18 | SN74HC24N | 296-1582-5-ND |
| U19 | MCP6021 |  |
| U20 | MCP6021 |  |
| U21 | TXB0108 |  |
| U22 | LTC3115-2 |  |
| U23 | BLE112-A |  |
| USB1 | MICRO-USB-AB1 |  |
| USB2 | USB MICRO B |  |
| X1 | 12MHz |  |
| X2 | 12MHz |  |