

Connection NANO to other PCB's

| Board | NANO | NANO | CCS | CVS | Divider | Power-MT3608 | | | | | |
|----------|-----------|----------|-------------|-----------------|-----------|--------------|------------|-------------|-----------|---------|------|
| Pin NANO | Connector | PortName | Function | Pin Name Source | Conn_CCS | Conn_CVS | 5V to 3.3V | SW15V_Ubat? | | | |
| D1 / TX | | PD1 | USB / BLE4 | | | | | | | | |
| D0 / RX | | PD0 | USB / BLE4 | | | | | | | | |
| Reset | | PC6 | | | | | | | | | |
| Gnd | | | Power | | J1-1/J2-4 | Gnd | J1/J2-Pin1 | Gnd | J1-2/J-10 | Gnd | J2-1 |
| D2 | | PD2 | ISR | pin_ENC2_A | | | | | | | |
| D3 | | PD3 | ISR | pin_ENC1_A | | | | | | | |
| D4 | | PD4 | GPIO | pin_ENC1_B | | | | | | | |
| D5 | | PD5 | GPIO | pin_ENC2_B | | | | | | | |
| D6 | | PD6 | GPIO | pin_ADC_CS | | J1-Pin2 | | | | | |
| D7 | | PB7 | GPIO | pin_DAC_CS | | J1-Pin3 | | | | | |
| D8 | | PB0 | GPIO | not used | | | | | | | |
| D9 | | PB1 | GPIO | TFT_CS | | | | J1-3 | | R_CS_G1 | |
| D10 | | PB2 | GPIO | TFT_DC | | | | J1-4 | | R_DC1 | |
| D11 | | PB3 | SPI MOSI | SPI_MOSI | | J1-Pin5 | | J1-5 | | R_MOSI1 | |
| D12 | | PB4 | SPI MISO | SPI_MISO | | J1-Pin6 | | J1-6 | | R_MISO1 | |
| D13 | | PB5 | SPI SCK | SPI_SCK | | J1-Pin4 | | J1-7 | | R_SCK1 | |
| A0 / D14 | | PC0 | GPIO | pin_E_NEG | | J4-Pin2 | N-devices | | | | J2_1 |
| A1 / D15 | | PC1 | GPIO | pin_E_POS | | J4-Pin3 | P-devices | | | | J2_2 |
| A2 / D16 | | PC2 | GPIO | pin_CV_SW | J2-3 | | | | | | |
| A3 / D17 | | PC3 | GPIO | pin_EB | J2-2 | P-devices | | | | | |
| A4 / D18 | | PC4 | I2C SDA | I2C_SDA | J1-2 | | | | | | |
| A5 / D19 | | PC5 | I2C SCL | I2C_SCL | J1-3 | | | | | | |
| A6 | | ADC[6] | only analog | not used | | | | | | | J2-3 |
| A7 | | ADC[7] | only analog | not used | | | | | | | |
| +5V | | | | | J1-2 | +5V | | J1-1 | | +5V | |
| Reset | | PC6 | | | | | | | | | |
| Gnd | | | Power | | | | | | | | |
| Vin | | 6.7-12V | Power | | | | | | | | |
| | | | | | | | | | | | |