

Board pinout (ALL)

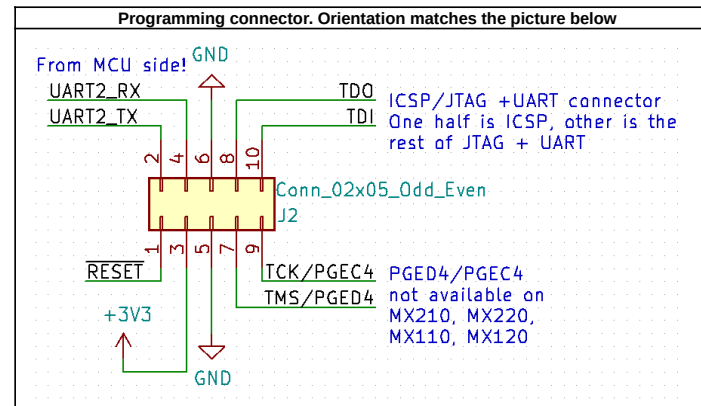
| POWER |
|-------|
| 5v |
| 3v3 |
| GND |

| Pin number |
|------------------|
| Pin designator |
| Special function |
| Special function |
| Analog |

| SPI |
|------|
| UART |
| I2C |

These are partly remappable, and are just suggestions. See the Alternate functions

| Alternate function INPUT |
|--|
| INT1/T5CK/IC2/SS2/OCFA |
| INT2/T4CK/IC1/IC5/UART1_RX/UART2_CTS/SDI2/OCFB |
| INT3/T3CK/IC3/UART1_CTS/UART2_RX/SDI1 |
| INT4/T2CK/IC4/SS1/REFCLKI |
| Alternate function OUTPUT |
| UART1_TX/UART2_RTS/SS1/OC1/C2OUT |
| SDO1/SDO2/OC2/C3OUT |
| UART1_RTS/UART2_TX/SS2/OC3/C1OUT |
| SDO1/SDO2/OC4/OC5/REFCLKO |



| Alt func. IN | Alt func. OUT | Comms | Analog | Special function | Pin designator | Pin number | Pin no. | Pin designator | Special function | Analog | Comms | Alt. Function OUT | Alt function. IN |
|--------------|------------------|-------|--------|------------------|----------------|------------|---------|----------------|------------------|--------|-------------|-------------------|------------------|
| | | | | | 3v3 | | | 5v | | | | | |
| | | | | | 3v3 | | | GND | | | | | |
| | | | | | GND | | 9 | RB11 | USB D+ / PGED2 | | | SDO1/.../OC2/... | INT3/... |
| | | | | | GND | | 8 | RB10 | USB D- / PGEC2 | | | UART1_RTS/... | INT1/... |
| INT4/... | UART1_TX/... | | AN0 | PGED3 | RA0 | 19 | 43 | RB7 | | | | UART1_TX/... | INT4/... |
| INT3/... | SDO1/.../OC2/... | | AN1 | PGEC3 | RA1 | 20 | 41 | RB5 | USB ID | | SDI1 (MISO) | SDO1/.../OC2/... | INT3/... |
| INT1/... | UART1_RTS/... | | AN2 | PGED1 | RB0 | 21 | 11 | RB13 | | AN11 | SDO1 (MOSI) | SDO1/.../OC5/... | INT2/... |
| INT3/... | SDO1/.../OC2/... | | AN3 | PGEC1 | RB1 | 22 | 14 | RB14 | | AN10 | SCK1 | UART1_RTS/... | INT1/... |
| INT2/... | SDO1/.../OC5/... | SDA2 | AN4 | | RB2 | 23 | 3 | RC7 | | | UART1_TX | UART1_TX/... | INT4/... |
| INT4/... | UART1_TX/... | SCL2 | AN5 | | RB3 | 24 | 2 | RC6 | | | UART1_RX | SDO1/.../OC5/... | INT2/... |
| INT4/... | UART1_TX/... | | AN6 | | RC0 | 25 | 1 | RB9 | | | SDA1 | UART1_RTS/... | INT1/... |
| INT2/... | SDO1/.../OC5/... | | AN7 | | RC1 | 26 | 44 | RB8 | | | SCL1 | SDO1/.../OC2/... | INT3/... |
| INT1/... | UART1_RTS/... | | AN8 | | RC2 | 27 | 15 | RB15 | | AN9 | | UART1_TX/... | INT4/... |
| | | | | | 3v3 | | 36 | RC3 | | AN12 | | SDO1/.../OC5/... | INT2/... |
| INT4/... | UART1_TX/... | | | BUTTON_USER | RC5 | 38 | 37 | RC4 | LED_USER | | | UART1_RTS/... | INT1/... |
| | | | | TCK/PGEC4 | RA7 | 13 | 35 | RA9 | TDI | | | SDO1/.../OC2/... | INT3/... |
| | | | | TMS/PGED4 | RA10 | 12 | 32 | RA8 | TDO | | | SDO1/.../OC2/... | INT3/... |
| | | | | | GND | | | GND | | | | | |
| | | | | | 3v3 | | 4 | RC8 | | | UART2_RX | SDO1/.../OC2/... | INT3/... |
| | | | | MCLR/RESET | MCLR/RESET | 18 | 5 | RC9 | | | UART2_TX | UART1_RTS/... | INT1/... |

