Digital Outputs 0-5 are parallel to Relay Outputs 0-5

Analog Outputs: 0-5 (Vin=12V) / 4-20mA (Vin=24V)

Digital Outputs: 0-7

Relay Outputs: 0-4

Inputs: 250 μA

Switches: 0-3

Digital/Analog Inputs: 0-7

RTC: CE, SCL, SDI, SDO, INT

GND 30

GND 30

Attention to current limit: Absolute max per pin 40mA, recommended 20mA

Attention to current limit: Current limit @5V + 3V3 max 200mA (fused by resettable fuse)

Attention to current limit: @20V only 150mA

All signals are protected with serial ESD protection resistor:

Pin Header current limit:

Pin Header current limit:

Button: PB2 (Self limit), PB3 (Self limit), PB4 (Self limit)

ADC limits:

ADC limits:

USB Connector:

Pin Header:

Not proper handling of the RTC / INT output can cause permanent Controllino reset.