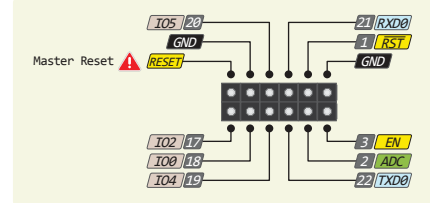
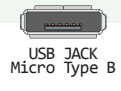
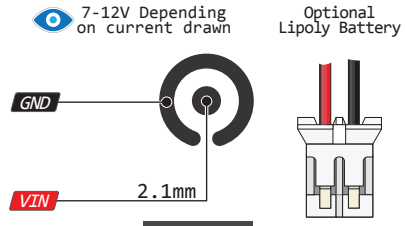


- IDE
- Power
- GND
- Serial Pin
- Analog Pin
- Control
- INT
- Physical Pin
- Port Pin
- Pin function
- Interrupt Pin
- ~ PWM Pin
- Port Power

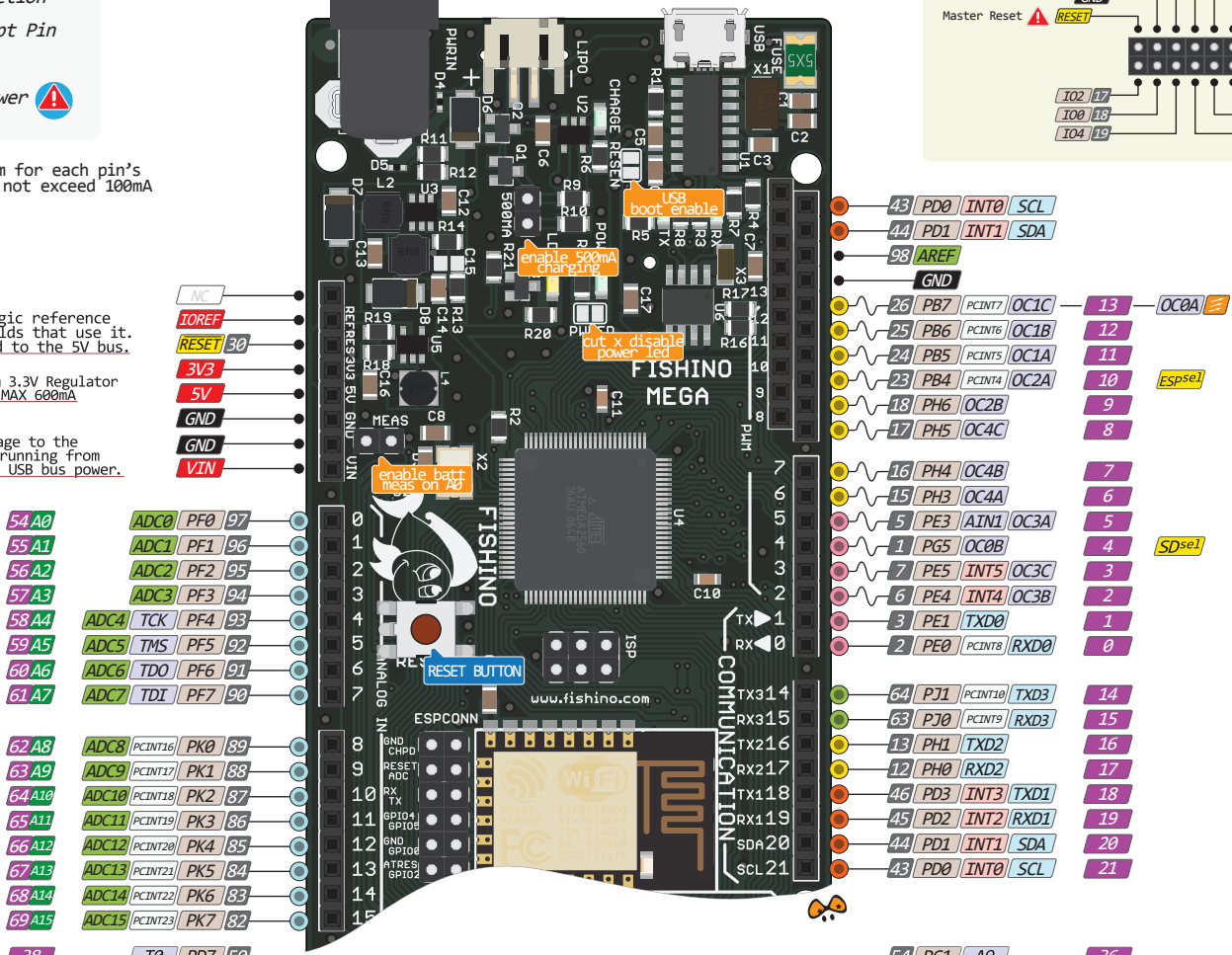


The power sum for each pin's group should not exceed 100mA

**I0REF** provides a logic reference voltage for shields that use it. It is connected to the 5V bus.

**3V3** The output from 3.3V Regulator Absolute MAX 600mA

**VIN** The input voltage to the board when it is running from external power. Not USB bus power.



- 54 A0
- 55 A1
- 56 A2
- 57 A3
- 58 A4
- 59 A5
- 60 A6
- 61 A7
- 62 A8
- 63 A9
- 64 A10
- 65 A11
- 66 A12
- 67 A13
- 68 A14
- 69 A15
- ADC0 PF0 97
- ADC1 PF1 96
- ADC2 PF2 95
- ADC3 PF3 94
- ADC4 TCK PF4 93
- ADC5 TMS PF5 92
- ADC6 TDO PF6 91
- ADC7 TDI PF7 90
- ADC8 PCINT16 PK0 89
- ADC9 PCINT17 PK1 88
- ADC10 PCINT18 PK2 87
- ADC11 PCINT19 PK3 86
- ADC12 PCINT20 PK4 85
- ADC13 PCINT21 PK5 84
- ADC14 PCINT22 PK6 83
- ADC15 PCINT23 PK7 82

- 43 PD0 INT0 SCL
- 44 PD1 INT1 SDA
- 98 AREF
- GND
- 26 PB7 PCINT7 OC1C
- 25 PB6 PCINT6 OC1B
- 24 PB5 PCINT5 OC1A
- 23 PB4 PCINT4 OC2A
- 18 PH6 OC2B
- 17 PH5 OC4C
- 16 PH4 OC4B
- 15 PH3 OC4A
- 5 PE3 AIN1 OC3A
- 1 PG5 OC0B
- 7 PE5 INT5 OC3C
- 6 PE4 INT4 OC3B
- 3 PE1 TXD0
- 2 PE0 PCINT8 RXD0
- 13 OC0A
- 12
- 11
- 10
- 9
- 8
- 7
- 6
- 5
- 4
- 3
- 2
- 1
- 0
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21

- 38
- 40
- 42
- 44
- 46
- 48
- 50
- 52
- T0 PD7 50
- RD PG1 52
- PL7 42
- OC5C PL5 40
- OC5A PL3 38
- ICP5 PL1 36
- MISO PCINT3 PB3 22
- SCK PCINT1 PB1 20
- 53
- 51
- 49
- 47
- 45
- 43
- 41
- 39
- SS PCINT0 PB0 19
- MOSTI PCINT2 PB2 21
- ICP4 PL0 35
- T5 PL2 37
- OC5B PL4 39
- PL6 41
- WR PG0 51
- ALE PG2 70

- 54 PC1 A9
- 56 PC3 A11
- 58 PC5 A13
- 60 PC7 A15
- 72 PA6 AD6
- 74 PA4 AD4
- 76 PA2 AD2
- 78 PA0 AD0
- 36
- 34
- 32
- 30
- 28
- 26
- 24
- 22
- 54
- 51
- 49
- 47
- 45
- 43
- 41
- 39
- 77 PA1 AD1
- 75 PA3 AD3
- 73 PA5 AD5
- 71 PA7 AD7
- 59 PC6 A14
- 57 PC4 A12
- 55 PC2 A10
- 53 PC0 A8
- 23
- 25
- 27
- 29
- 31
- 33
- 35
- 37

Absolute MAX per pin 20mA recommended 10mA

Absolute MAX 200mA for entire package

