DCC
Gnd
Loconet
DCC

I2C SCL
Gnd
Vcc
I2C SDA

Power In
7-12V
Centre +

USB

On
Power
Switch

DCC
Loconet

1

I2C

1

LEDuino

Analog Ref

Gnd

Pin13 PB5 SCK (LED)

CAN connector

Pin12 PB4 MISO

Reset

CAN termination

Pin11 PB3 MOSI/OC2 (PWM)

Used by CAN
hardware

3.3V

Pin10 PB2 OC1B/SS (PWM)

+5V

CAN power

Pin9 PB1 OC1A (PWM)

Gnd

Pin8 PB0 ICP1

Gnd

Pin7 PD7 AIN1

Vin

Pin6 PD6 AIN0 (PWM)

Pin5 PD5 T1 (PWM)

Gold Pin19 A5

Pin4 PD4 XCLK/T0

Blue Pin18 A4

Note: LEDuino analog
pins do **not** follow
Arduino convention, in
that they are reversed.

Pin3 PD3 INT1 (PWM)

Pin17 A3

Pin2 PD2 INT0

Pin16 A2

Pin1 PD1 Tx

Pin15 A1

Pin0 PD0 Rx

Pin14 A0

Ethernet uses Pin9 for chip select.
Servo uses Pin7..