

A

B

C

D

E

F

A

B

C

D

E

F

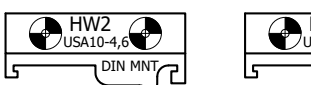
CURRENT SOURCE FOR LOOPS  
LEVEL GUARDED ANALOG INPUT  
WITH PULL DOWN

- 1 0V
- 2 +5V
- 3 RX D0
- 4 TX D1
- 5 SHLD\_VIN D2
- 6 OC2B LED1 D3
- 7 NMOS SINK @ADC0 D4
- 8 OC0B LED2 D5
- 9 OC0A LED3 D6
- 10 NMOS SINK @ADC1 D7

- 10 ALT\_EN B0
- 9 OC1A LED4 B1
- 8 OC1B LED5 B2
- 7 OC2A LED6 B3
- 6 CS0\_EN B4
- 5 CS1\_EN B5
- 4 GND
- 3 AREF
- 2 SDA C4
- 1 SCL C5

- 1 ADC0 C0
- 2 ADC1 C1
- 3 ADC2 C2
- 4 ADC3 C3
- 5 NC
- 6 NC
- 7 NC
- 8 PWR\_I
- 9 PWR\_V
- 10 0V

- 1 VIN
- 2 GND
- 3 GND
- 4 +5V
- 5 +3V3
- 6 RESET
- 7 IOREF
- 8 NC

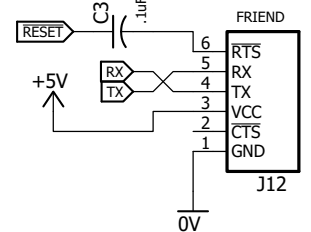


ARDUINO UNO R3  
PIN-COMPATIBLE

RPU BUS		RPU.BUS.ORG GITHUB.COM/EPCCS		Copyright (C) 2017 Ronald Sutherland Released under the Creative Commons Attribution-ShareAlike 4.0 International (CC BY-SA 4.0) <a href="http://creativecommons.org/licenses/by-sa/4.0/">http://creativecommons.org/licenses/by-sa/4.0/</a>		SIZE B
BK black BN brown RD red OG orange YE yellow		GN green BU blue VT violet GY gray WH white		Symbols = RD Names = BU Values = GY Label/Info = VT Busses = Dark BU Net/Wire = GN Guide = YE		DATE: 2/23/18
^2		AL8805 LAYOUT, LBLs		2/23/18		NAME: RON S
^1		PULL-DOWN 3..13, 100k Q1 RM A2 SINK, LED CC NOISE		1/22/18		ADDR: 1627 W INVERNESS DR TEMPE AZ 85282
^0		INIT		12/15/17		E-MAIL: ronald.sutherland@gmail.com
REV		BUGZILLA ISSUE #		JDATE		PHONE: (480) 967-2851
				TO:		DESCRIPTION:
				FROM:		PC, 6 CC LED DVR
						MODEL: RPULUX
						DRAWING: 17323
						2/23/2018 8:05 PM

- Reference Designators:
- B Battery
- C Capacitor
- D Diode
- F Fuse/Breaker
- H Hardware & Outline
- J Connector/Link
- K Relay
- L Inductor
- M Motor (and Related)
- P Power supply
- Q Transistor
- R Resistor
- S Switch
- T Transformer
- TP Test point
- U Integrated circuit/module
- Y Crystal or oscillator

BOOTLOAD PORT



PINOUT BASED ON  
FTDI FRIEND  
<https://www.adafruit.com/product/284>