

NOTE: THE TOOLCHAIN DOES NOT
YET SUPPORT 328PB
(iom328pb.h will show up with avr-libc when it does)

WARNING: SDA1 AND SCL1 ARE
0V AND 5V WHEN ATMEGA328P IS USED

PORT BIT 328P;328PB

0V_328P 1
5V_328P 2
RX 3
TX 4
IO2 5
IO3 6
IO4 7
IO5 8
IO6 9
IO7 10

0V; SDA1/ICP4 E0 (*) * 2568 TX3
+5V; SCL1/T4 E1
RX0 D0;D0
TX0 D1;D1
INT0 D2; INT0/OC3B D2
OC2B/INT1 D3; OC2B/INT1 D3
T0 D4;T0 D4
T1/OC0B D5; T1/OC0B D5
OC0A D6;OC0A D6
D7;D7

PPPC101LFBN
PPPC101LFBN

IO8 10
IO9 9
IO10 8
SS 7
MISO 6
SCK 5
IOV 4
NC 3
SDA 2
SCL 1

ICP1 B0; ICP1 B0
OC1A B1;OC1A B1
SS/OC1B B2;SS/OC1B B2
MISO/OC2A B3;MISO/OC2A/TX1 B3
MISO B4; MISO/RX1 B4
SCK B5; SCK B5
GND
AREF
ADC4/SDA C4; ADC4/SDA0 C4
ADC5/SCL C5; ADC5/SCL0 C5

PPPC101LFBN
PPPC101LFBN

ADC0 1
ADC1 2
ADC2 3
ADC3 4
NC 5
NC 6
ADC6 7
ADC7 8
IOV 9
NC 10

ADC0 C0;ADC0/MISO C0
ADC1 C1;ADC1/SCK C1
ADC2 C2;ADC2 C2
ADC3 C3;ADC3 C3
ADC4/SDA C4; ADC4/SDA0 C4
ADC5/SCL C5; ADC5/SCL0 C5
ADC6; ADC6/ICP3/SS1 E2
ADC7; ADC7/T3/MOSI1 E3
0V
NC (**)

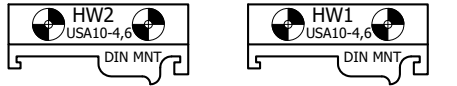
** 2568 ADC8

PPPC081LFBN
PPPC081LFBN

J5 1
2
3
4
5
6
7
8

VIN
GND
GND
+5V
+3V3
RESET
IOREF
IOREF

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



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) http://creativecommons.org/licenses/by-sa/4.0/		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: 11/19/17 NAME: RON S		ADDR: 1627 W INVERNESS DR TEMPE AZ 85282 E-MAIL: ronald.sutherland@gmail.com PHONE: (480) 967-2851	
TO:		FROM:		DESCRIPTION: PC, 6 CC LED DVR MODEL: RPU.LUX DRAWING: 17323		REV ^0 INIT		11/19/17	
BUGZILLA ISSUE #		JDATE 1/1		11/26/2017 10:44 PM					