

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	0V; SDA1/ICP4 E0 (*)	* 2568 TX3
5V_328P	2	+5V; SCL1/T4 E1	
RX	3	RX0 D0;D0	
TX	4	TX0 D1;D1	
IO2	5	INT0 D2; INT0/OC3B D2	
IO3	6	OC2B/INT1 D3; OC2B/INT1 D3	
IO4	7	T0 D4;T0 D4	
IO5	8	T1/OC0B D5; T1/OC0B D5	
IO6	9	OC0A D6;OC0A D6	
IO7	10	D7;D7	

PPPC101LFBN  
PPPC101LFBN

IO8	10	ICP1 B0; ICP1 B0	
IO9	9	OC1A B1;OC1A B1	
SS	8	SS/OC1B B2;SS/OC1B B2	
MISO	6	MISO/OC2A B3;MISO/OC2A/TX1 B3	
SCK	5	MISO B4; MISO/RX1 B4	
IOV	4	SCK B5; SCK B5	
NC	3	GND	
SDA	2	AREF	
SCL	1	ADC4/SDA C4; ADC4/SDA0 C4	
		ADC5/SCL C5; ADC5/SCL0 C5	

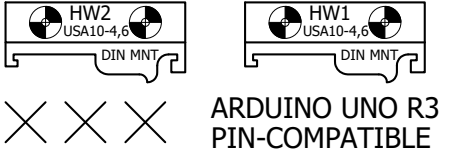
PPPC101LFBN

ADC0	1	ADC0 C0;ADC0/MISO1 C0	
ADC1	2	ADC1 C1;ADC1/SCK1 C1	
ADC2	3	ADC2 C2;ADC2 C2	
ADC3	4	ADC3 C3;ADC3 C3	
NC	5	ADC4/SDA C4; ADC4/SDA0 C4	
NC	6	ADC5/SCL C5; ADC5/SCL0 C5	
ADC6	7	ADC6; ADC6/ICP3/SS1 E2	
ADC7	8	ADC7; ADC7/T3/MOSI1 E3	
IOV	9	0V	
NC	10	NC (**)	** 2568 ADC8

PPPC081LFBN

J5	1	VIN	
	2	GND	
	3	GND	
	4	+5V	
	5	+3V3	
	6	RESET	
	7	IOREF	
	8	NC	

Reference Designators:  
B Capacitor  
C Battery  
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



<b>RPU BUS</b>		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>B</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: 12/15/17 NAME: RON S E-MAIL: ronald.sutherland@gmail.com PHONE: (480) 967-2851		1627 W INVERNESS DR TEMPE AZ 85282	
TO:		FROM:		DESCRIPTION: PC, 6 CC LED DVR MODEL: RPULUX DRAWING: 17323		REV: ^0 INIT		12/15/17	
BUGZILLA ISSUE #		JDATE: 1/1		12/15/2017 11:26 PM					