



RPU BUS		RPUBUS.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	GN green	Symbols = RD	DATE:	NAME:	ADDR: 1627 W INVERNESS DR TEMPE AZ 85282	DESCRIPTION: PI HOST RPU ADAPTOR FD RS422 + HD RS485
BN brown	BU blue	Names = BU	2/7/17	RON S	E-MAIL: ronald.sutherland@gmail.com	
RD red	VT violet	Values = GY			PHONE: (480) 967-2851	
OG orange	GY gray	Label/info = VT				
YE yellow	WH white	Busses = Dark BU				
		Net/Wire = GN				
		Guide = YE				
			TO:			
			FROM:			
^2	SERIAL/SPI 74LVC07 PI3V3 OPEN SPI, TX PULLUP, I2C	2/7/17				MODEL: RPUPI
^1	422 PWR FROM +5V SHLD, SBC L MNT, ISCP HDR CL.	10/19/16				DRAWING: 16197
REV	BUGZILLA ISSUE #	JDATE	1/1			2/7/2017 8:20 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

32TQFPpin
ATTMEGA328P reg-bit
{PCINT}
(Digital IO)
[function] #notes
12 PB0 {0} (D 8) ICP1 [SHUTDOWN]
13 PB1 {1} (D 9) OC1A [LED_BUILTN]
14 PB2 {2} (D 10) SS OC1B [nSS]
15 PB3 {3} (D 11) MOSI OC2A [MOSI]
16 PB4 {4} (D 12) MISO [MISO]
17 PB5 {5} (D 13) SCK [SCK]
23 PC0 {8} (D 14) ADC0 [HOST_nCTS]
24 PC1 {9} (D 15) ADC1 [HOST_nDSR]
25 PC2 {10} (D 16) ADC2 [TX_nRE]
26 PC3 {11} (D 17) ADC3 [RX_DE]
27 PC4 {12} (D 18) ADC4 [SDA]
28 PC5 {13} (D 19) ADC5 [SCL]
19 () ADC6 [5V_ADC6]
22 () ADC7 []
9 PD0 {16} (D 0) RXD [DTR_RXD]
8 PD1 {17} (D 1) TXD [DTR_TXD]
7 PD2 {18} (D 2) INT0 [HOST_nDTR]
6 PD3 {19} (D 3) INT1 OC2B [HOST_nRTS]
5 PD4 {20} (D 4) T0 [RX_nRE]
4 PD5 {21} (D 5) T1 OC0B [TX_DE]
3 PD6 {22} (D 6) OC0A [DTR_nRE]
2 PD7 {23} (D 7) [DTR_DE]

ARDUINO UNO R3
PIN-COMPATIBLE