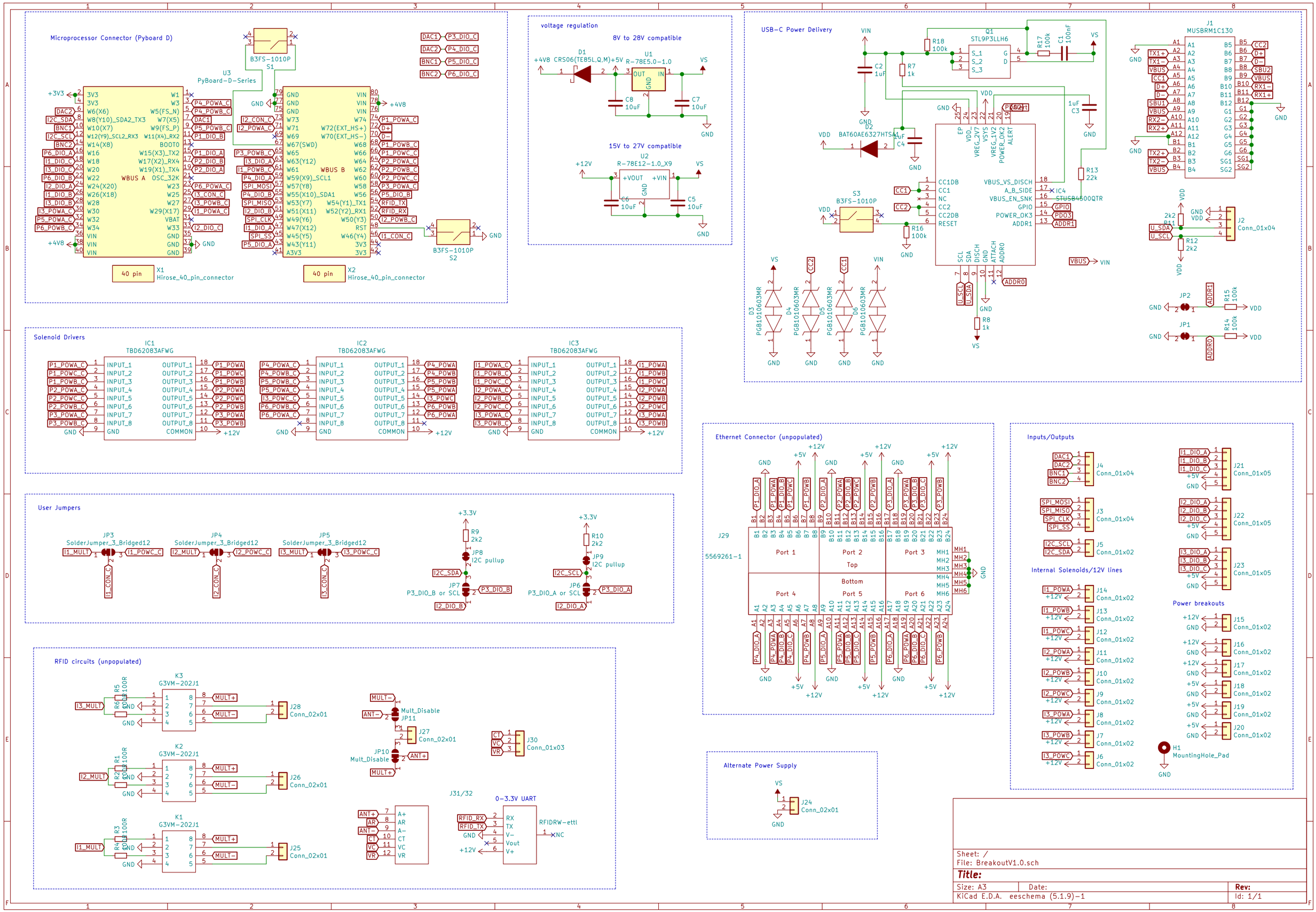
Microprocessor Connector (Pyboard D)
U3
PyBoard-D-Series
B3FS-1010P
S1
B3FS-1010P
S2
40 pin
X1
Hirose_40_pin_connector
X2
Hirose_40_pin_connector
voltage regulation
8V to 28V compatible
D1
CRS06(TE85L,Q,M)
U1
R-78E5.0-1.0
C8
10uF
C7
10uF
15V to 27V compatible
U2
R-78E12-1.0_X9
C6
10uF
C5
10uF
USB-C Power Delivery
Q1
STL9P3LLH6
R18
100k
R17
100k
C1
100nF
C2
1uF
R7
1k
D2
BAT60AE6327HTSA1
C4
1uF
C3
1uF
R13
22k
IC4
STUSB4500QTR
S3
B3FS-1010P
R16
100k
R8
1k
D3
PGB1010603MR
D4
PGB1010603MR
D5
PGB1010603MR
D6
PGB1010603MR
J1
MUSBRM1C130
J2
Conn_01x04
R11
2k2
R12
2k2
JP2
R15
100k
JP1
R14
100k
Solenoid Drivers
IC1
TBD62083AFWG
IC2
TBD62083AFWG
IC3
TBD62083AFWG
Ethernet Connector (unpopulated)
J29
5569261-1
Port 1
Port 2
Port 3
Port 4
Port 5
Port 6
Top
Bottom
Inputs/Outputs
J4
Conn_01x04
J3
Conn_01x04
J5
Conn_01x02
J21
Conn_01x05
J22
Conn_01x05
J23
Conn_01x05
Internal Solenoids/12V lines
J14
Conn_01x02
J13
Conn_01x02
J12
Conn_01x02
J11
Conn_01x02
J10
Conn_01x02
J9
Conn_01x02
J8
Conn_01x02
J7
Conn_01x02
J6
Conn_01x02
Power breakouts
J15
Conn_01x02
J16
Conn_01x02
J17
Conn_01x02
J18
Conn_01x02
J19
Conn_01x02
J20
Conn_01x02
H1
MountingHole_Pad
User Jumpers
JP3
SolderJumper_3_Bridged12
JP4
SolderJumper_3_Bridged12
JP5
SolderJumper_3_Bridged12
R9
2k2
JP8
I2C pullup
JP7
P3_DIO_B or SCL
R10
2k2
JP9
I2C pullup
JP6
P3_DIO_A or SCL
RFID circuits (unpopulated)
K3
G3VM-202J1
K2
G3VM-202J1
K1
G3VM-202J1
J28
Conn_02x01
J26
Conn_02x01
J25
Conn_02x01
Mult_Disable
JP11
J27
Conn_02x01
JP10
Mult_Disable
J30
Conn_01x03
J31/32
0-3.3V UART
RFIDRW-ettl
Alternate Power Supply
J24
Conn_02x01
Sheet: /
File: BreakoutV1.0.sch
Title:
Size: A3
Date:
Rev:
KiCad E.D.A. eeschema (5.1.9)-1
Id: 1/1