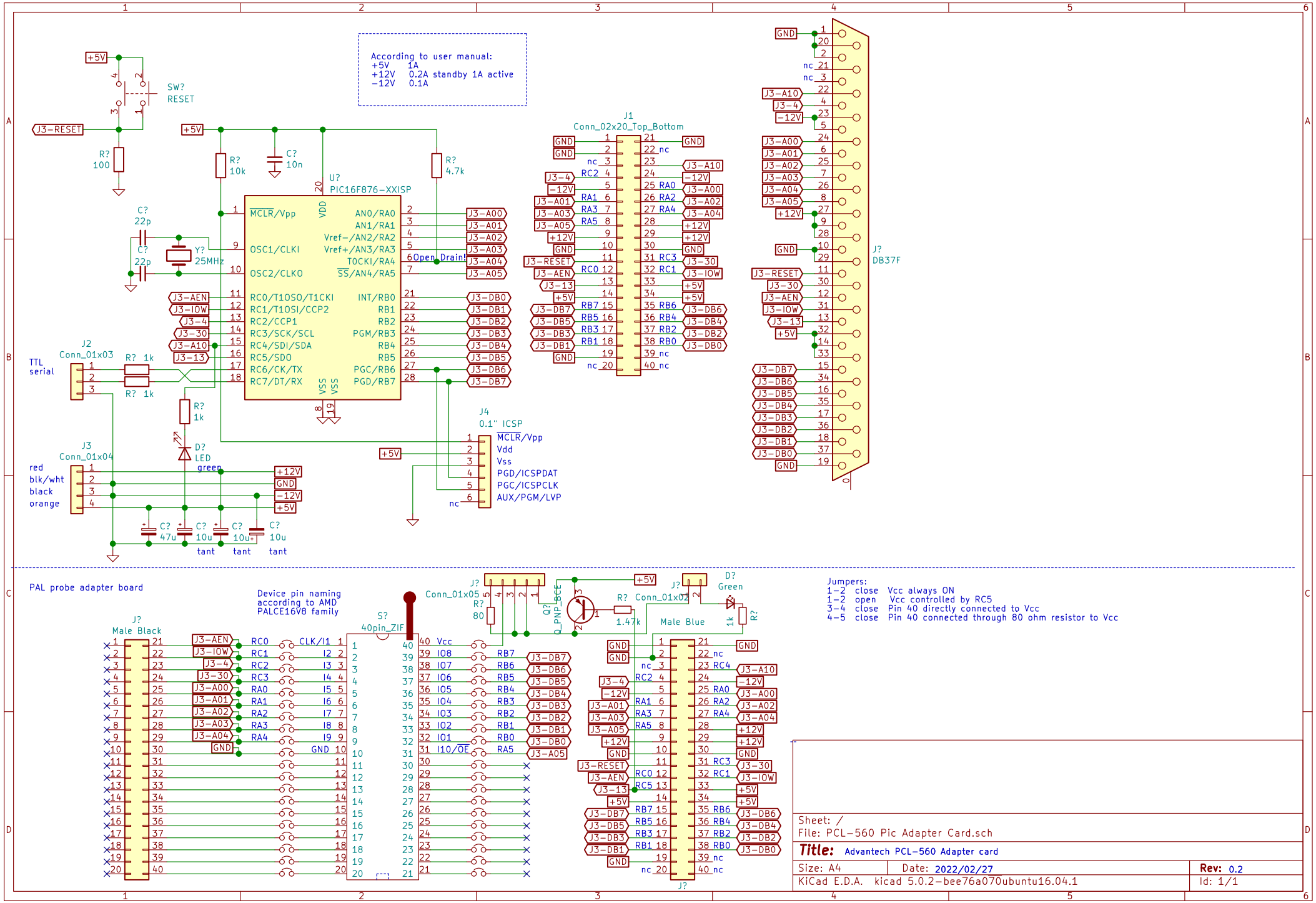
According to user manual:
+5V 1A
+12V 0.2A standby 1A active
−12V 0.1A
SW?
RESET
J3−RESET
R?
100
+5V
R?
10k
C?
10n
R?
4.7k
U?
PIC16F876−XXISP
MCLR/Vpp
OSC1/CLKI
OSC2/CLKO
AN0/RA0
AN1/RA1
Vref−/AN2/RA2
Vref+/AN3/RA3
T0CKI/RA4
SS/AN4/RA5
RC0/T1OSO/T1CKI
RC1/T1OSI/CCP2
RC2/CCP1
RC3/SCK/SCL
RC4/SDI/SDA
RC5/SDO
RC6/CK/TX
RC7/DT/RX
INT/RB0
RB1
RB2
PGM/RB3
RB4
RB5
PGC/RB6
PGD/RB7
VDD
VSS
Open Drain!
C?
22p
Y?
25MHz
J2
Conn_01x03
TTL
serial
R? 1k
R? 1k
R?
1k
D?
LED
green
J3
Conn_01x04
red
blk/wht
black
orange
+12V
GND
−12V
C?
47u
C?
10u
tant
C?
10u
tant
C?
10u
tant
J4
0.1" ICSP
MCLR/Vpp
Vdd
Vss
PGD/ICSPDAT
PGC/ICSPCLK
AUX/PGM/LVP
nc
J1
Conn_02x20_Top_Bottom
J?
DB37F
PAL probe adapter board
Device pin naming
according to AMD
PALCE16V8 family
J?
Male Black
S?
40pin_ZIF
J?
Conn_01x05
R?
80
Q?
Q_PNP_BCE
R?
1.47k
J?
Conn_01x02
Male Blue
D?
Green
R?
1k
Jumpers:
1−2 close Vcc always ON
1−2 open Vcc controlled by RC5
3−4 close Pin 40 directly connected to Vcc
4−5 close Pin 40 connected through 80 ohm resistor to Vcc
Sheet: /
File: PCL−560 Pic Adapter Card.sch
Title: Advantech PCL−560 Adapter card
Size: A4
Date: 2022/02/27
Rev: 0.2
KiCad E.D.A. kicad 5.0.2−bee76a070ubuntu16.04.1
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