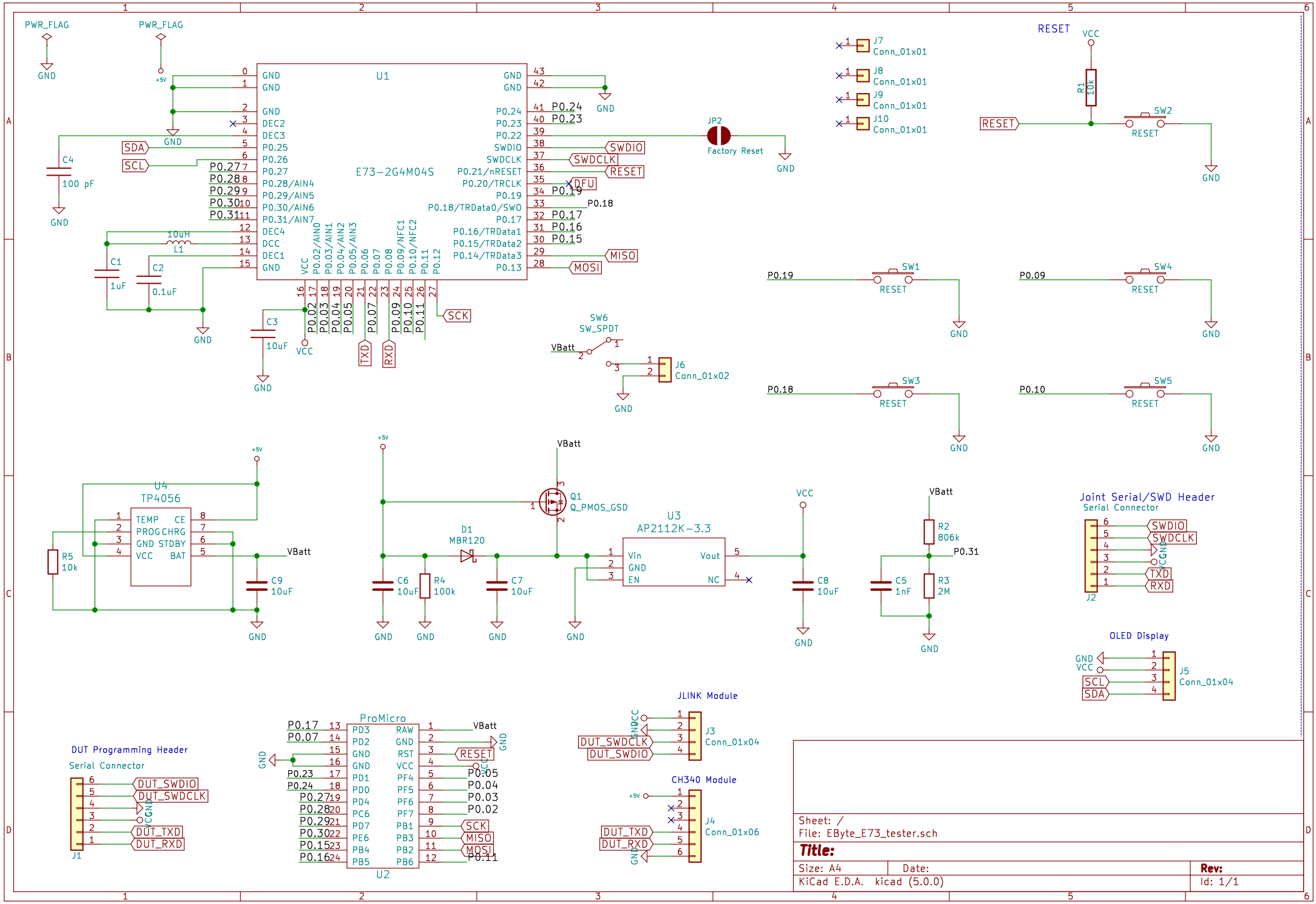
PWR_FLAG
PWR_FLAG
GND
+5V
U1
E73-2G4M04S
GND
GND
GND
DEC2
DEC3
P0.25
P0.26
P0.27
P0.28/AIN4
P0.29/AIN5
P0.30/AIN6
P0.31/AIN7
DEC4
DCC
DEC1
GND
P0.24
P0.23
P0.22
SWDIO
SWDCLK
P0.21/nRESET
P0.20/TRCLK
P0.19
P0.18/TRData0/SWO
P0.17
P0.16/TRData1
P0.15/TRData2
P0.14/TRData3
P0.13
VCC
P0.02/AIN0
P0.03/AIN1
P0.04/AIN2
P0.05/AIN3
P0.06
P0.07
P0.08
P0.09/NFC1
P0.10/NFC2
P0.11
P0.12
SDA
SCL
C4
100 pF
10uH
L1
C1
1uF
C2
0.1uF
C3
10uF
VCC
TXD
RXD
SCK
MISO
MOSI
SWDIO
SWDCLK
RESET
DFU
JP2
Factory Reset
J7
Conn_01x01
J8
Conn_01x01
J9
Conn_01x01
J10
Conn_01x01
RESET
VCC
R1
10k
SW2
RESET
SW1
SW4
SW3
SW5
P0.19
P0.09
P0.18
P0.10
SW6
SW_SPDT
VBatt
J6
Conn_01x02
U4
TP4056
TEMP
PROG
GND
VCC
CE
CHRG
STDBY
BAT
R5
10k
C9
10uF
VBatt
Q1
Q_PMOS_GSD
D1
MBR120
C6
10uF
R4
100k
C7
10uF
U3
AP2112K-3.3
Vin
GND
EN
Vout
NC
C8
10uF
R2
806k
P0.31
C5
1nF
R3
2M
Joint Serial/SWD Header
Serial Connector
J2
OLED Display
J5
Conn_01x04
SCL
SDA
JLINK Module
J3
Conn_01x04
DUT_SWDCLK
DUT_SWDIO
CH340 Module
J4
Conn_01x06
DUT_TXD
DUT_RXD
DUT Programming Header
Serial Connector
J1
DUT_SWDIO
DUT_SWDCLK
DUT_TXD
DUT_RXD
ProMicro
U2
PD3
PD2
GND
GND
PD1
PD0
PD4
PC6
PD7
PE6
PB4
PB5
RAW
GND
RST
VCC
PF4
PF5
PF6
PF7
PB1
PB3
PB2
PB6
P0.17
P0.07
P0.23
P0.24
P0.27
P0.28
P0.29
P0.30
P0.15
P0.16
P0.05
P0.04
P0.03
P0.02
P0.11
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