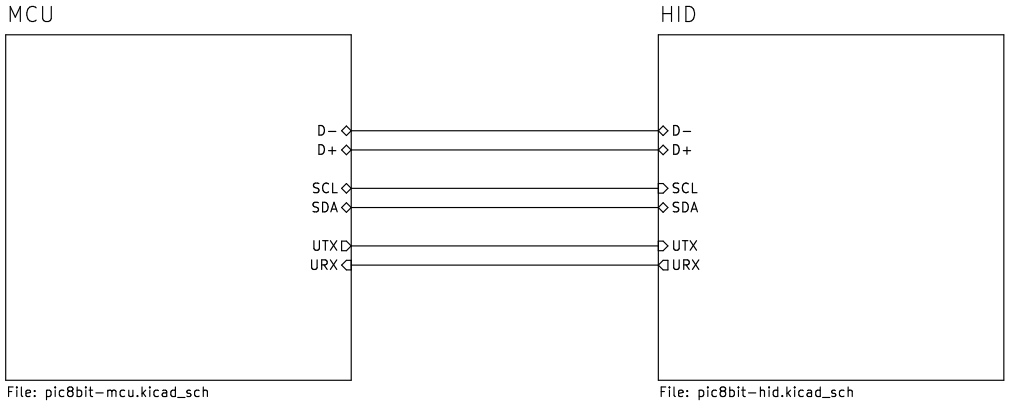

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PIC8−Bit Mini Trainer

Connections

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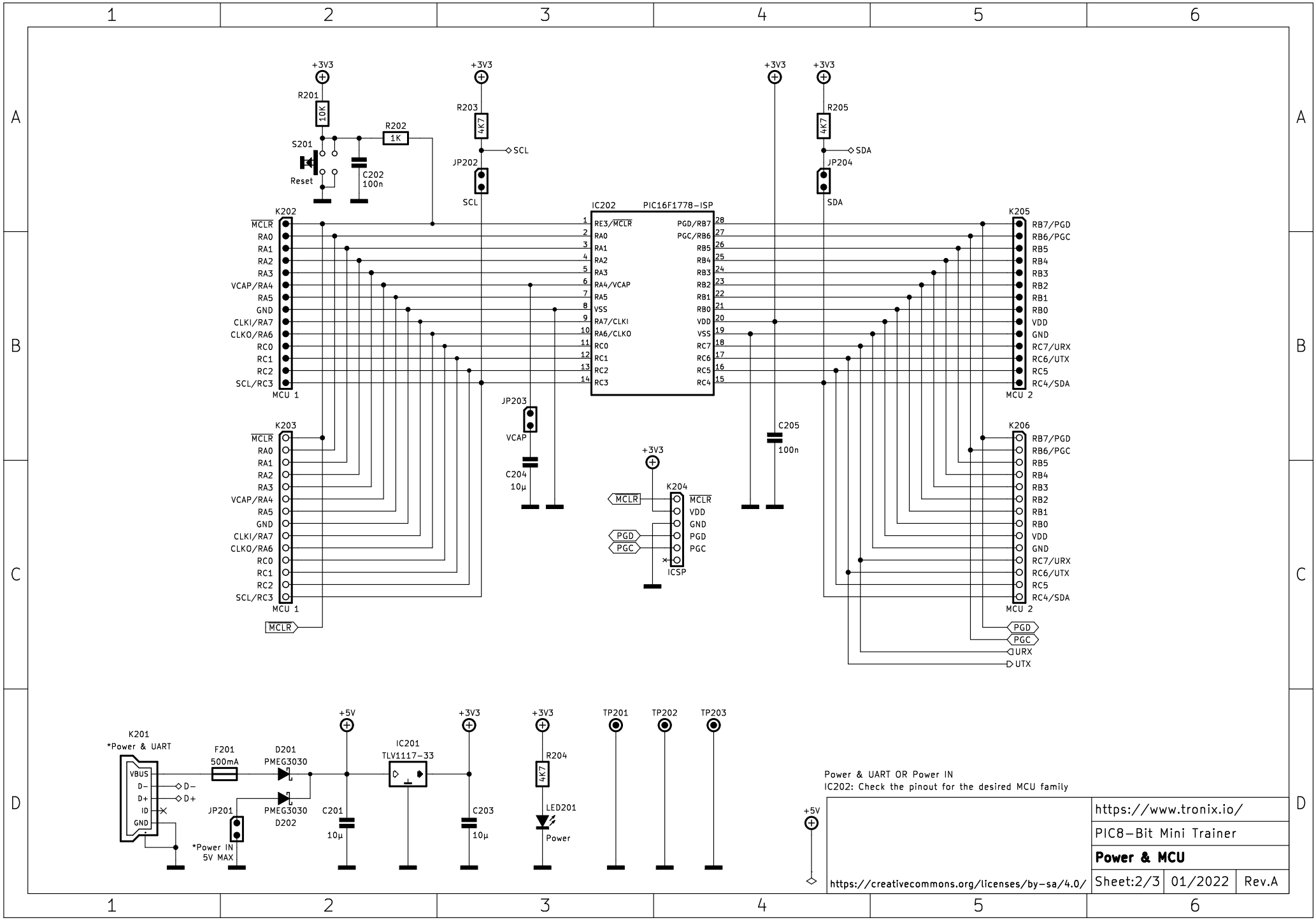
+3V3
R201
10K
R202
1K
S201
Reset
C202
100n
R203
4K7
SCL
JP202
R205
4K7
SDA
JP204
IC202
PIC16F1778-ISP
K202
MCU 1
K203
MCU 1
K205
MCU 2
K206
MCU 2
JP203
VCAP
C204
10µ
C205
100n
K204
ICSP
MCLR
PGD
PGC
URX
UTX
K201
*Power & UART
VBUS
D-
D+
ID
GND
F201
500mA
D201
PMEG3030
D202
PMEG3030
JP201
*Power IN
5V MAX
+5V
IC201
TLV1117-33
C201
10µ
C203
10µ
R204
4K7
LED201
Power
TP201
TP202
TP203
Power & UART OR Power IN
IC202: Check the pinout for the desired MCU family
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PIC8-Bit Mini Trainer
Power & MCU
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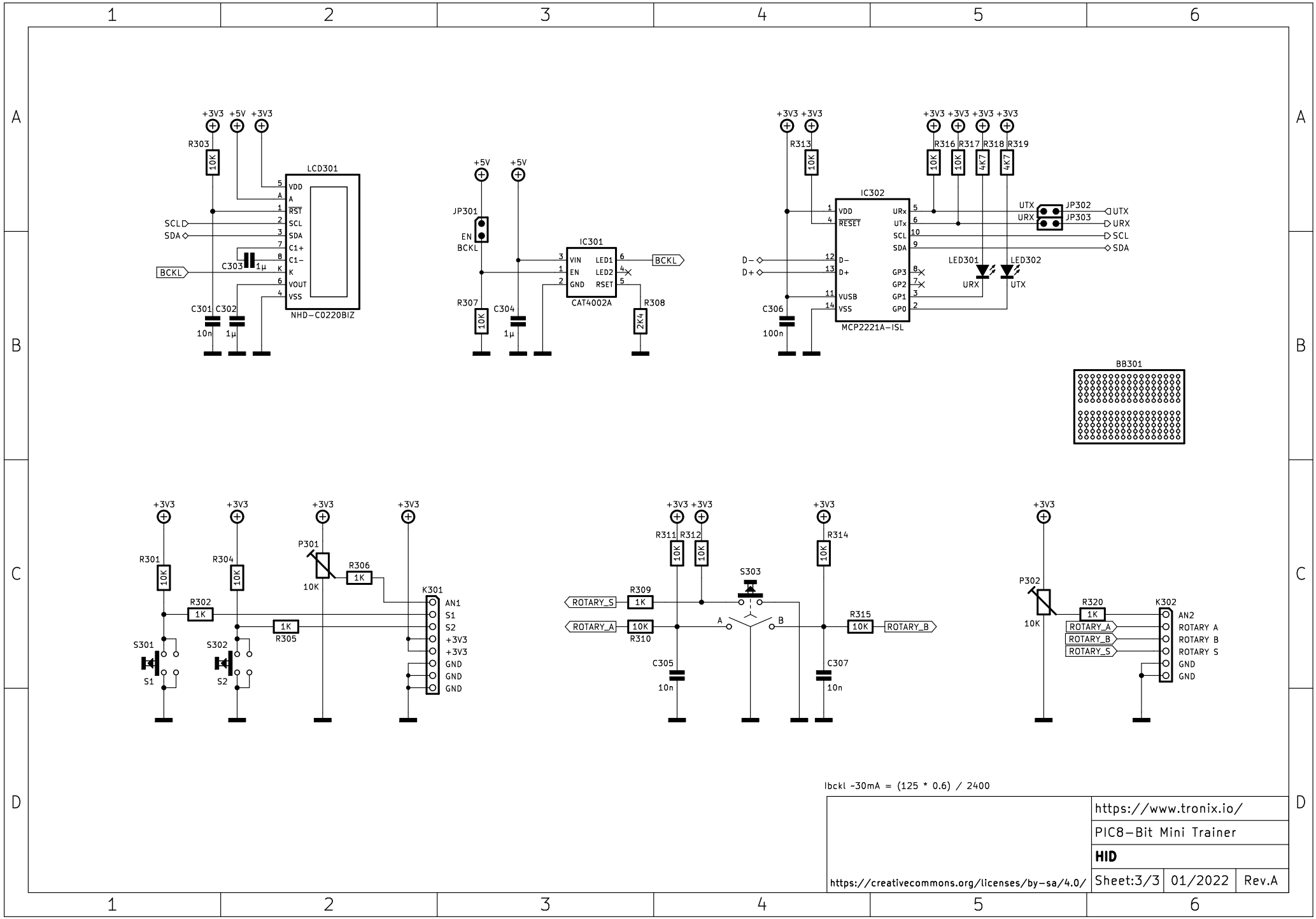
LCD301
NHD-C0220BIZ
VDD
A
RST
SCL
SDA
C1+
C1-
K
VOUT
VSS
R303
10K
C301
10n
C302
1µ
C303
1µ
BCKL
JP301
EN
BCKL
IC301
CAT4002A
VIN
EN
GND
LED1
LED2
RSET
R307
10K
C304
1µ
R308
2K4
IC302
MCP2221A-ISL
VDD
RESET
D-
D+
VUSB
VSS
URx
UTx
GP3
GP2
GP1
GP0
R313
R316
R317
R318
R319
4K7
C306
100n
LED301
LED302
JP302
JP303
UTX
URX
BB301
R301
R302
R304
R305
R306
P301
S301
S302
S1
S2
K301
AN1
S1
S2
+3V3
GND
R309
R310
R311
R312
R314
R315
ROTARY_S
ROTARY_A
ROTARY_B
S303
A
B
C305
C307
P302
R320
K302
AN2
ROTARY A
ROTARY B
ROTARY S
Ibckl ~30mA = (125 * 0.6) / 2400
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PIC8-Bit Mini Trainer
HID
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