K1 / MCU 1

Pin	Signal
URX/RC7	RC7/URX
RD4	RD4
RD5	RD5
RD6	RD6
RD7	RD7
VSS	GND
+3V3	+3V3
RB0	RB0
RB1	RB1
RB2	RB2
RB3	RB3
RB4	RB4
RB5	RB5
PGC/RB6	RB6/PGC
PGD/RB7	RB7/PGD
MCLR	MCLR
RA0	RA0
RA1	RA1
RA2	RA2
RA3	RA3

K2 / MCU 2

Pin	Signal
UTX/RC6	RC6/UTX
RC5	RC5
SDA/RC4	RC4/SDA
RD3	RD3
RD2	RD2
RD1	RD1
RD0	RD0
SCL/RC3	RC3/SCL
RC2	RC2
RC1	RC1
RC0	RC0
RA6	RA6
CLKI/RA7	RA7/CLKI
VSS	GND
+3V3	+3V3
RE2	RE2
RE1	RE1
RE0	RE0
RA5	RA5
RA4/VCAP	RA4/VCAP

IC1*
PIC16F/PIC18F

IC2*
MCP2221A

IC3
BU33SD5WG

K3 ICSP
K4 USB-MICRO-B
MEMS1*

R1 10K, R2 1K, R3** 4K7, R4** 4K7, R5* 10K, R6* 10K, R7* 4K7, R8* 4K7, R9 4K7

C1 100n, C2 100n, C3 100n, C4 100n, C5* 10µ, C6* 470n, C7 1µ, C8 1µ

S1 Reset, F1 F050

LED1 Blue, LED2*, LED3*

JP1**, JP2**

UTX, URX, SCL, SDA

IC1*: Check the pinout for the desired MCU family.
C5*: Optional check MCU datasheet.
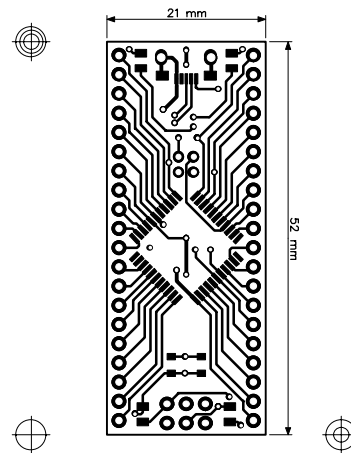MEMS1*: Optional check MCU datasheet for values.
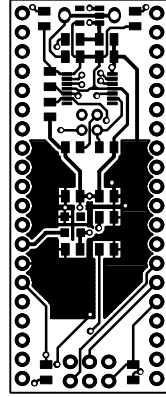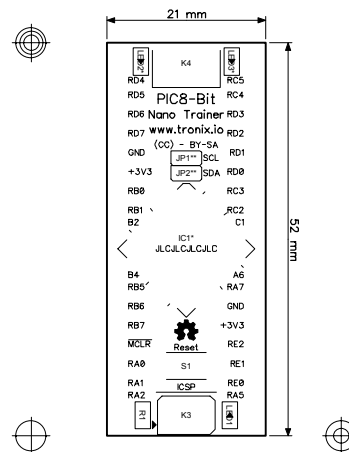*: UART Optional components.
**: I2C Optional components.

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PIC8-Bit Nano Trainer

Sheet : 1/1   11/2020   Rev.A

21 mm

52 mm

PIC8-Bit Nano Trainer - Rev.A - (11/2020) - SCALE: 100%

PICB-Bit Nano Trainer – Rev.A – (11/2020) – SCALE: 100%

21 mm

52 mm

PIC8-Bit
Nano Trainer
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K4	
RD4	RC5
RD5	RC4
RD6	RD3
RD7	RD2
GND	RD1
+3V3	RD0
RB0	RC3
RB1	RC2
B2	C1

JP1** SCL
JP2** SDA

IC1*
JLCJLCJLCJLC

B4	A6
RB5	RA7
RB6	GND
RB7	+3V3
MCLR	RE2
RA0	RE1
RA1	RE0
RA2	RA5

Reset

S1

ICSP

K3

PIC8-Bit Nano Trainer - Rev.A - (11/2020) - SCALE: 100%

PIC8-Bit Nano Trainer - Rev.A - (11/2020) - SCALE: 100%