

WRITING AND DRAWING MAACHINE



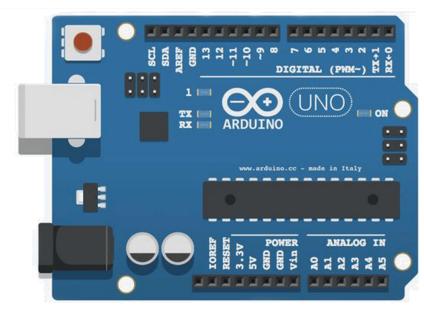




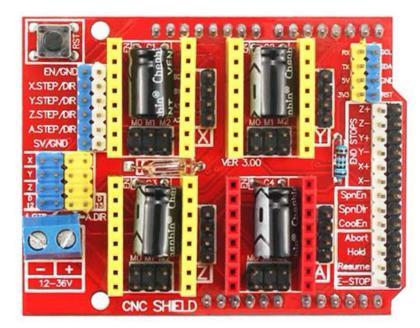


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BOARDS CONFIGURATION:

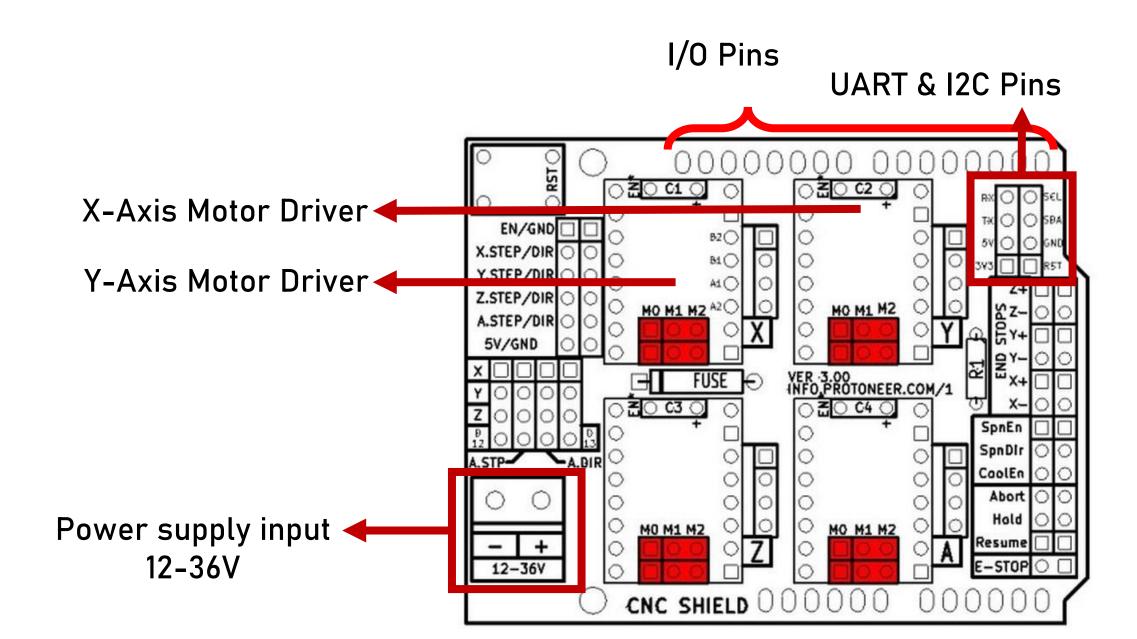


Arduino UNO

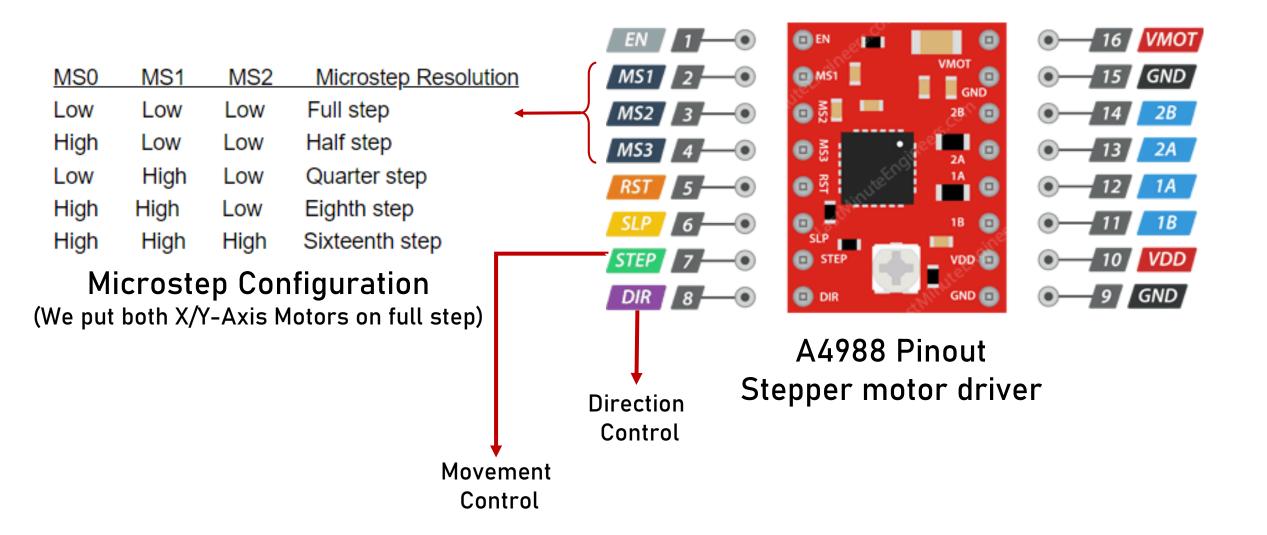


CNC Shield V3.0

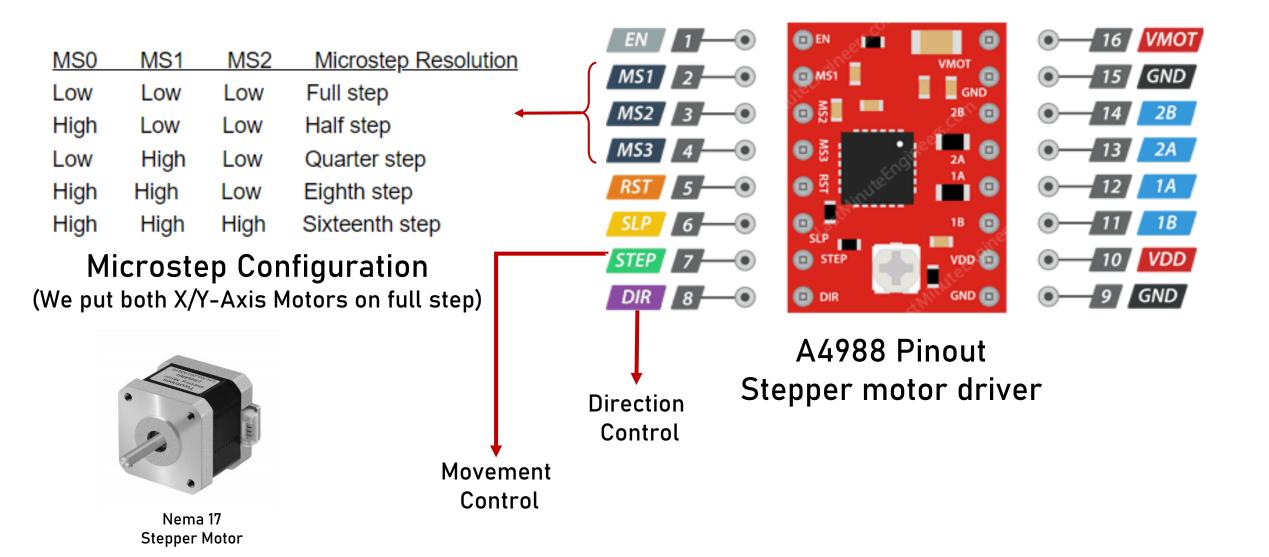
BOARDS CONFIGURATION:



MOTORS CONFIGURATION:



MOTORS CONFIGURATION:



MQTT CONNECTION:

Calculated data in python will be sent to MQTT Server, and after that it will be transferred to MCU (Arduino UNO) using UART Serial Protocol.

```
XXX;XXX;XXX;\n
```

X_INPUT : Motor steps in X axis

X_DIRECTION : +,- (Forward , Backward) Movement direction

Y_INPUT : : Motor steps in Y axis

Y_DIRECTION : +,- (Forward , Backward) Movement direction



UART DATA TRANSFER (SERIAL)

DATA : XXX;XXX;XXX;\n
X_INPUT;X_DIRECTION;Y_INPUT;Y_DIRECTION;\n

