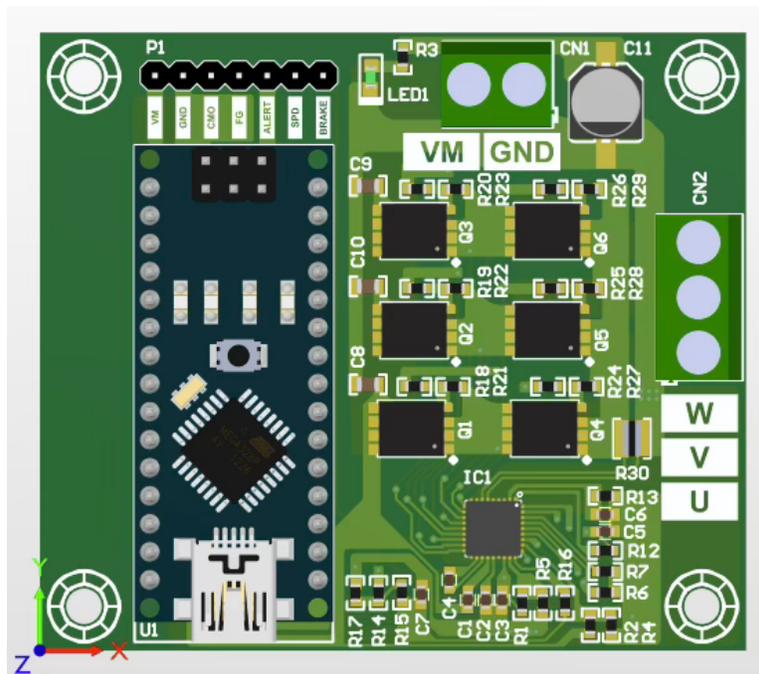


Sensorless Sinusoidal Brushless Motor Drive Circuit Using TC78B011FTG



1.Specifications and Block Diagram

Item	Specification
Input Power Supply Voltage	DC 11 to 27V
Rated Output Current	10A(Max)
Driver Motor Tpye	Brushless Motor
Motor Control Type	Sensorless Sinusoidal Driver
MCD Setting Method	I2C

Table 1.1 Specifications of This Design

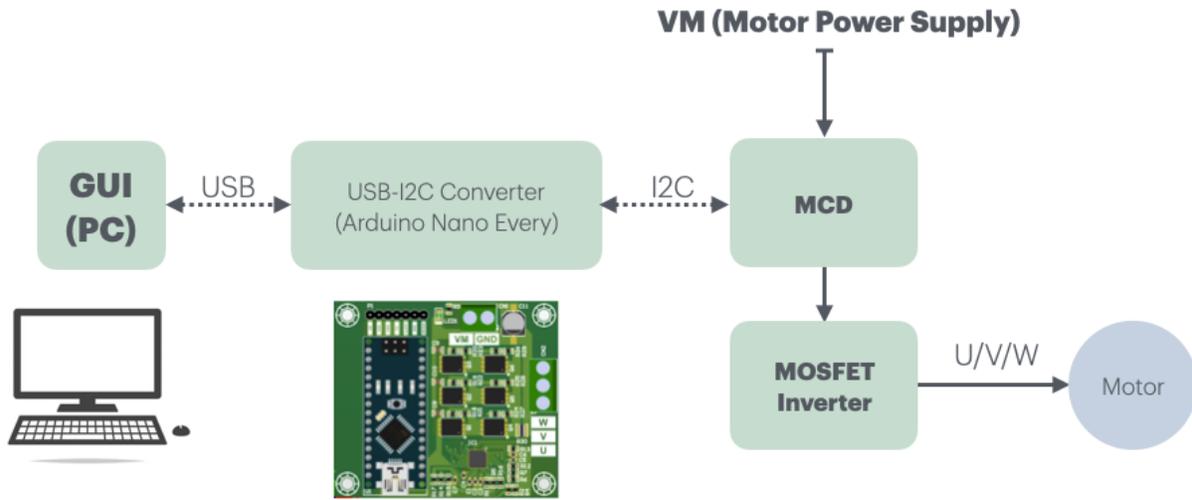


Fig. 1.1 Show connected diagram.

2.Circuit and PCB layout

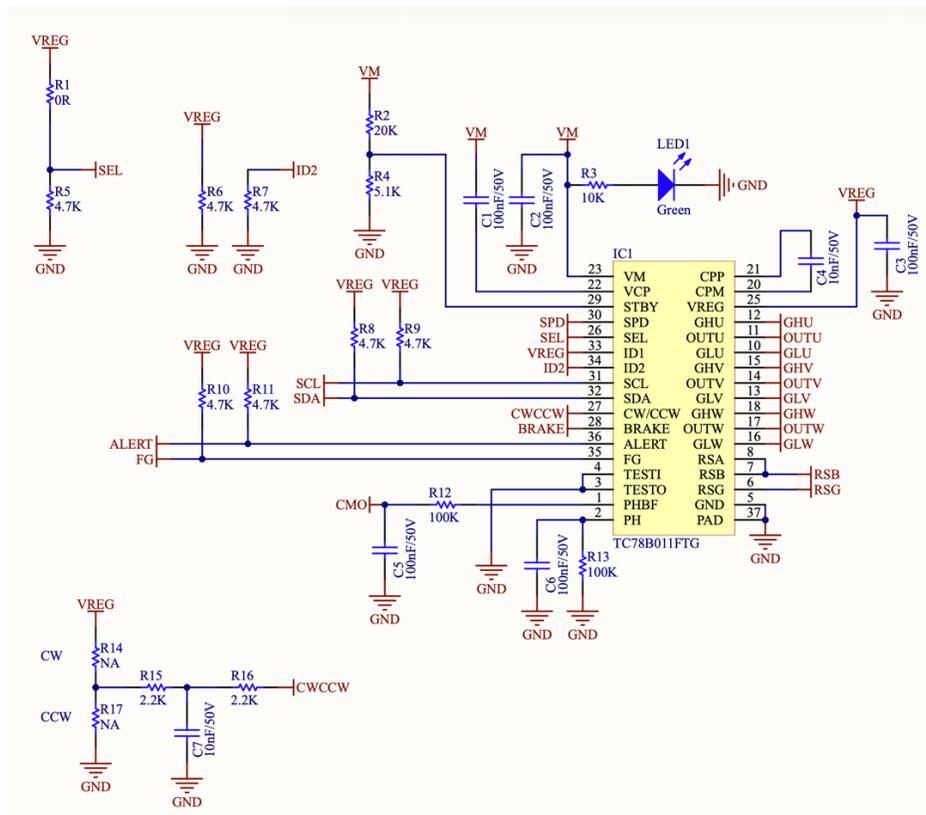


Fig. 1.2 Circuit TC78B011FTG.

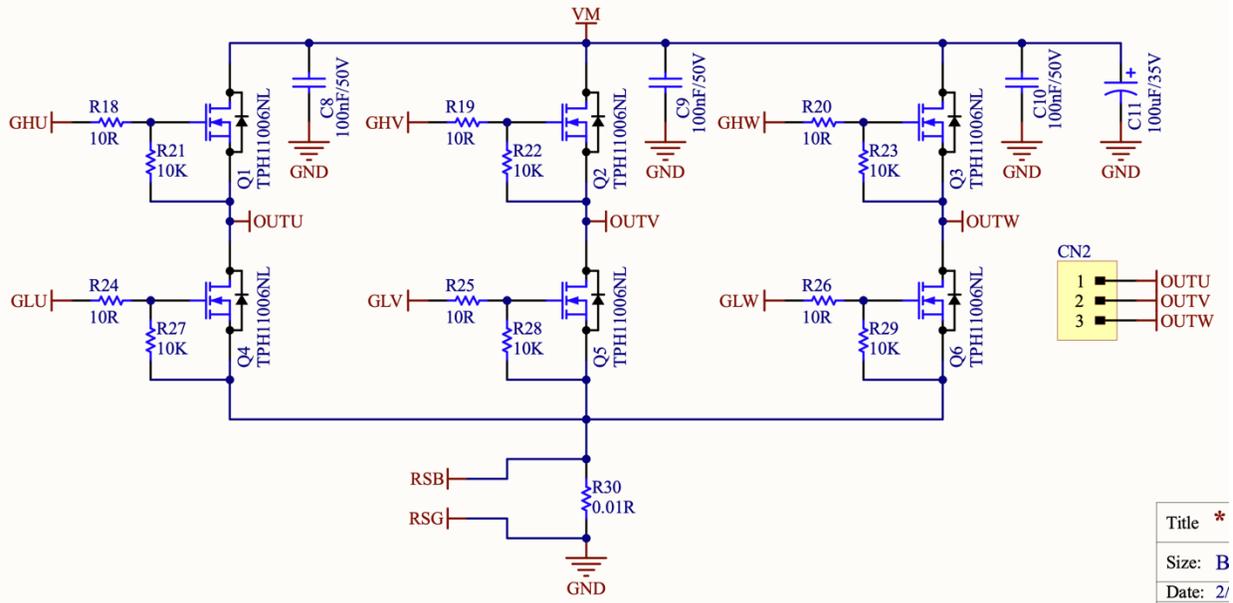


Fig. 1.3 Circuit inverter.

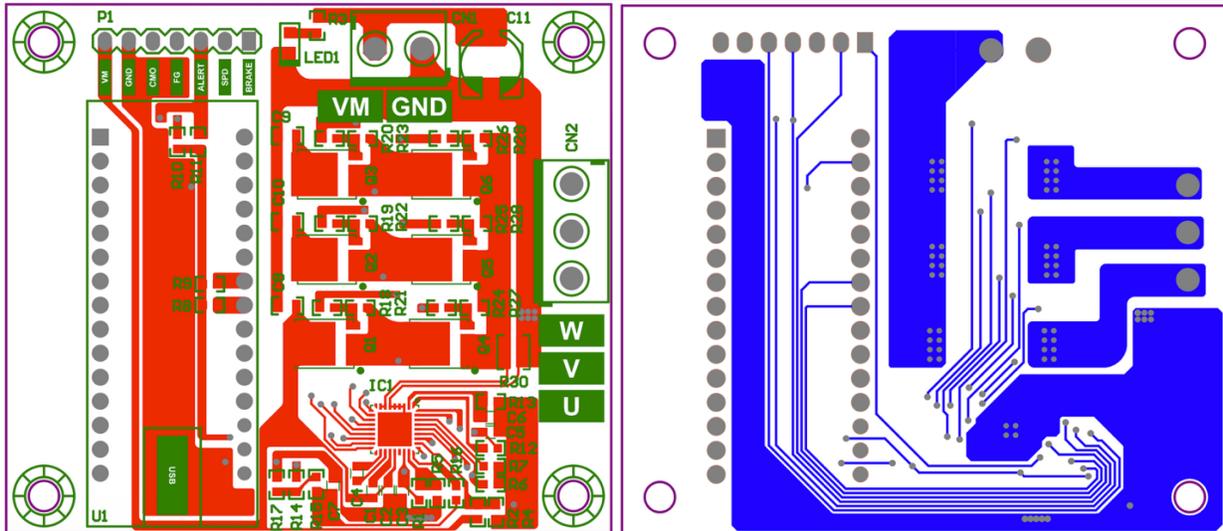


Fig. 1.3 PCB Layout.

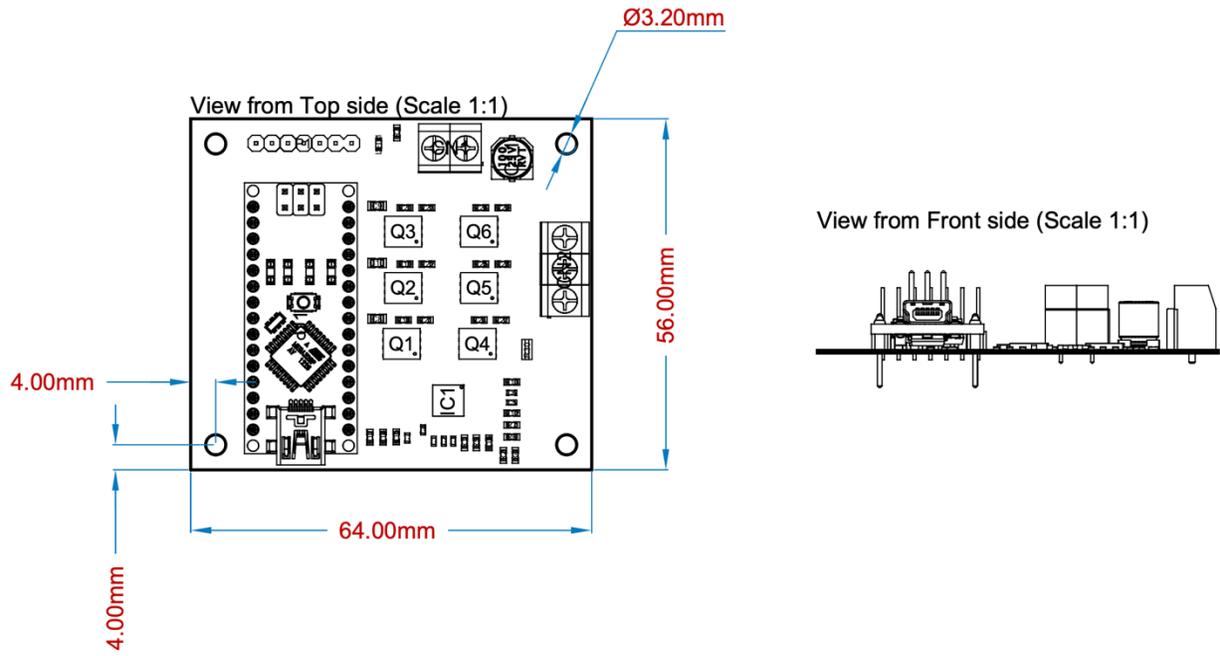


Fig. 1.4 Diameter Board.