

Modified circuit: the VCC of all driver chips are connected to VPP (13-18V)

Implementation from datasheet of the chip:
https://www.mouser.co.uk/datasheet/2/196/nfi_neon_IP2104_DS_v01_00_EN_3362991.pdf

3 sets of half bridge driver to turn on the three phases of BLDC motor

PWM signal from Pi Pico

Connection to brushless DC motor

Implemented from tutorial:
https://electronoobs.com/leng_arduino_tu91.php

A potential divider to reduce back EMF for comparator

Comparator to output a digital signal for Pi Pico input

Duplicate of the above control circuit

