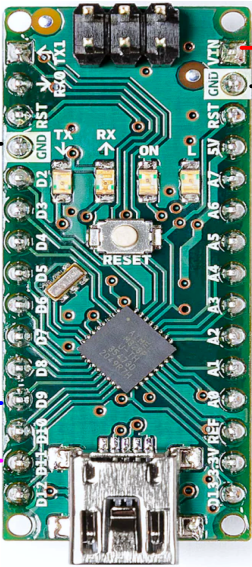# Seed Picker Control V1



**PWM INPUT**

*FC Aux Ports*
*or*
*Servo Tester Pwm Out*
*or*
*Tx Pwm*

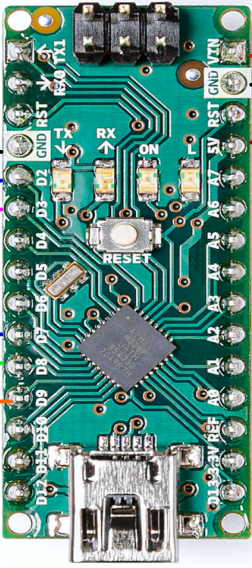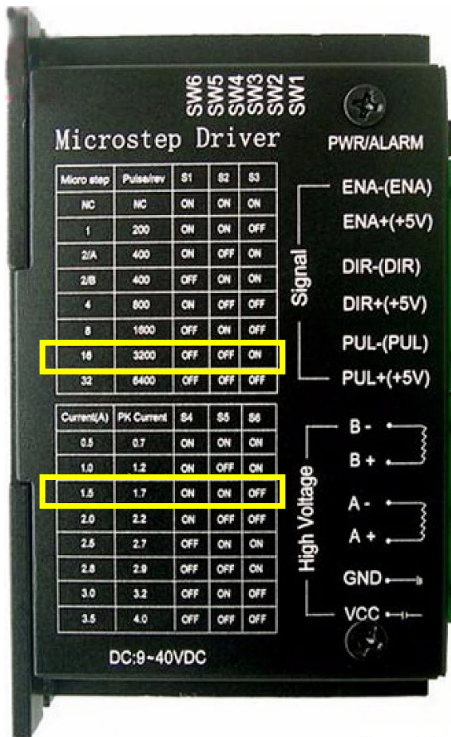PWM Ground
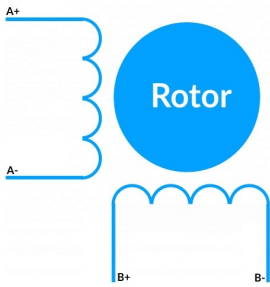
PWM Signal

10K

**Nano**

**Encoder Knob (HW -040)**

CLK
DT
SW
+
GND

NC
NC

HW-040

**Nano**

**TB6600 Stepper Driver**

SW6 SW5 SW4 SW3 SW2 SW1

Microstep Driver    PWR/ALARM

| Micro step | Pulse/rev | S1 | S2 | S3 |
|---|---|---|---|---|
| NC | NC | ON | ON | ON |
| 1 | 200 | ON | ON | OFF |
| 2/A | 400 | ON | OFF | ON |
| 2/B | 400 | OFF | ON | ON |
| 4 | 800 | ON | OFF | OFF |
| 8 | 1600 | OFF | ON | OFF |
| 16 | 3200 | OFF | OFF | ON |
| 32 | 6400 | OFF | OFF | OFF |

| Current(A) | PK Current | S4 | S5 | S6 |
|---|---|---|---|---|
| 0.5 | 0.7 | ON | ON | ON |
| 1.0 | 1.2 | ON | ON | OFF |
| 1.5 | 1.7 | ON | OFF | ON |
| 2.0 | 2.2 | ON | OFF | OFF |
| 2.5 | 2.7 | OFF | ON | ON |
| 2.8 | 2.9 | OFF | ON | OFF |
| 3.0 | 3.2 | OFF | OFF | ON |
| 3.5 | 4.0 | OFF | OFF | OFF |

Signal

ENA-(ENA)
ENA+(+5V)
DIR-(DIR)
DIR+(+5V)
PUL-(PUL)
PUL+(+5V)

High Voltage

B -
B +
A -
A +
GND
VCC

B-
B+
A-
A+

DC:9~40VDC

**Rotor**

A+
A-
B+    B-

12V 8A out | **Buck Convertor** | 17-55v In

6s or 12s Battery

12V IN | **Buck Convertor** | 5V OUT

**Nema17 JK42HS48 1684**