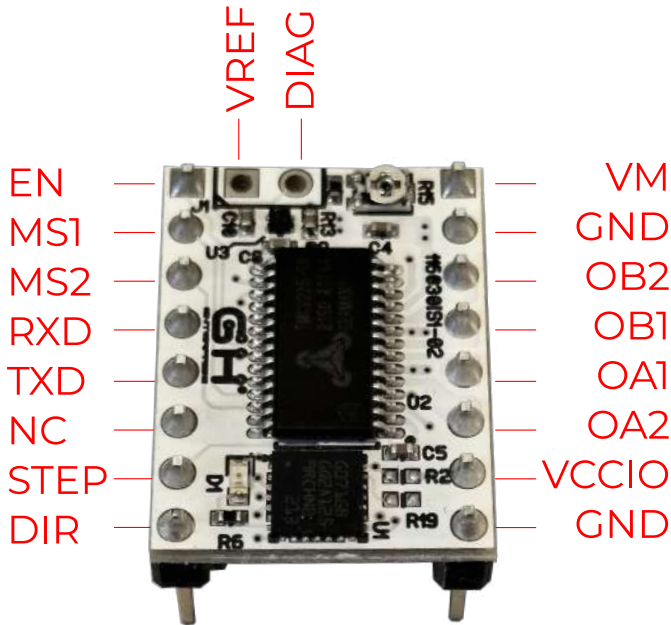


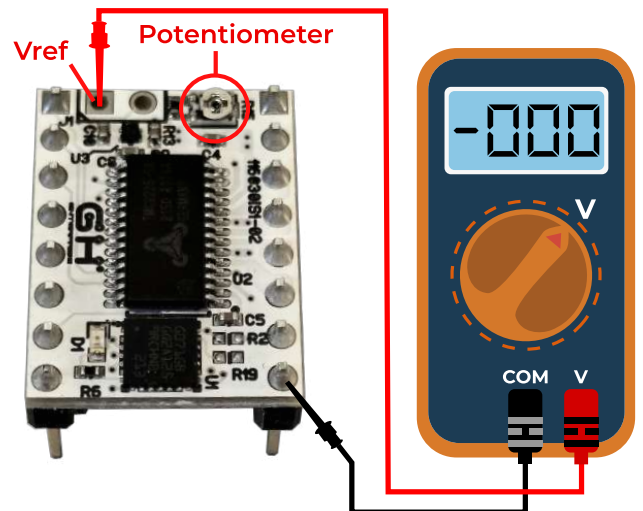
GH SMART SHAPER SILENT STEP STICK



FEATURES:

- TMC 2225-SA stepper motor controller & driver
- Supply voltage 5.5-36V
- Continuous $I_{phase} = 1.2A_{RMS}$
- Quiet operation with StealthChop
- Configuration and extended diagnostic via UART
- Control via Step&Dir interface
- Board width 0.6", board height 0.8"
- 2x8 pin 0.1" head rows for pins/connectors
- MZV, ZVD, EI Input Shaping Algorithms
- Configurable by G-code
- Max Step Rate 48KHz
- Cartesian Max Print Speed 600mm/s with 80step/mm
- Core XY/YX Max Print Speed 300mm/s with 80step/mm

Frequency	Meaning
0.5 Hz	Input Shaper OFF
1 Hz	Input Shaper ON
2 Hz	Configuration Failed
4 Hz	Input Step Rate too High



$$V_{ref} = (I_{rms} * 2.5V) / 1.77A$$

USER MANUAL



<https://gh-enterprise.com/en/3d-printer-controller/>