

TMC2130 Silent StepStick support

Feature Name: TMC2130 Silent StepStick Support

Feature Name in Annotation: TMC2130

Source of Information

Releaselog, pull requests, commits, ifdefs with feature annotation name

Strategy Used:

Feature is identified from the latest release log first. The release log also provides the pull request and commits linked to the feature (see the links and tables below), Ifdefs are also used for speeding up feature location.

Feature Release Version: 1.1.0 – RC8

Time took to Identify and Locate the feature: 0.3 hour

Time took to Understand the Implementation: 2 hours

Feature Description:

This feature allows Marlin to support a new type of stepper driver TMC2130 for the motors. The change is quite large, and this feature can be used as a template on how to implement a new stepper driver feature.

Feature Information and Statistics:

PR No.	Merged Time	PR	Commits	Files	Line Added	Line deleted
#5179	21 Nov 2016	TMC2130 Silent StepStick support	7	25	6137	1832

Ratios of sources (%)

RL	PR	CM	Ifdef	DK	CC	SC	GD
50	20	15	15	0	0	0	0

RL: Release Log; **PR:** Pull Request; **CM:** Commit, **Ifdef:** Ifdef Expression; **DK:** Domain Knowledge; **CC:** Code Comment; **SC:** Source Code; **GD:** G-Code Documentation.

Pull Request Links:

<https://github.com/MarlinFirmware/Marlin/pull/5179/files>

Feature Characteristics:

Feature Name	LoFC	SD	TD	Completely Wrapped by ifdef
TMC2130 support	709	16	53	Yes