

- Class-D ToolStick board
- 2 x mini USB cables
- 1 x male-to-male stereo cable
- 1 x 1 W speaker
- 2 x cylinder cutouts
- Class-D ToolStick Quick Start Guide (this document)

The Class-D ToolStick kit contains the following:

The Class-D ToolStick demonstrates direct-drive Class-D amplification using the SiM3U1xx high drive I/O. The kit demonstrates the integrated USB 2.0 full-speed transceiver, internal oscillator and phase-locked loop (PLL), up to 300 mA high-drive I/O, dual SAR ADCs, enhanced programmable counter array (EPCA), and capacitive sensing.

CLASS-D TOOLSTICK KIT QUICK-START GUIDE



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Mailing Address:
400 W. Cesar Chavez
Austin, TX 78701

A. Creating the Speaker Housing

1

To assemble the speaker housing, use one cylinder cutout and the speaker. The second cylinder cutout is extra in case it's needed.

2

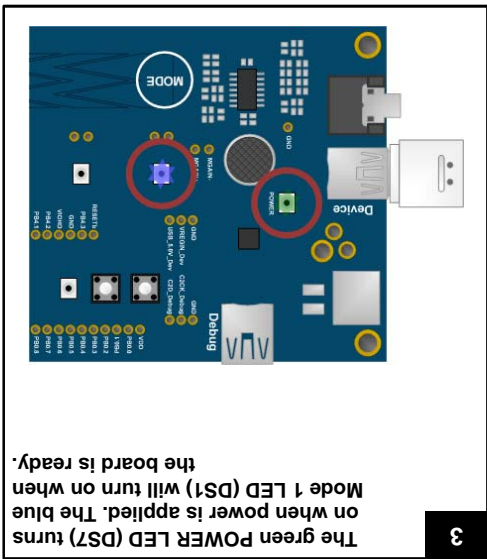
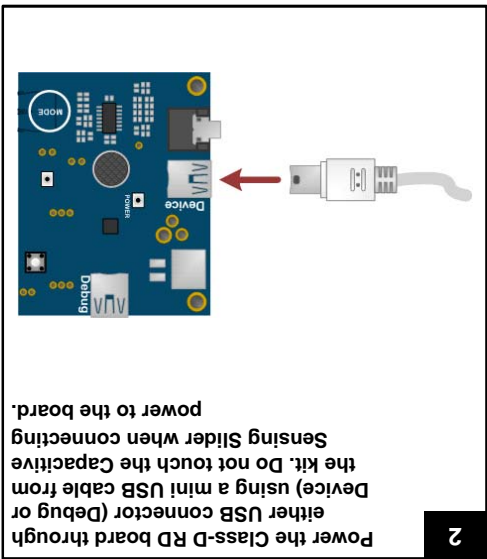
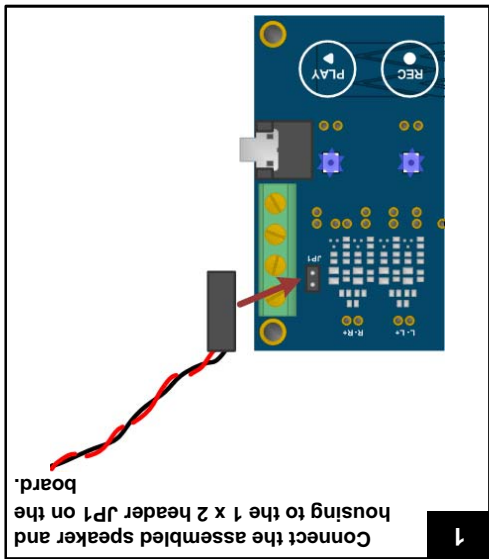
Pop out all of the tabs in the cylinder cutout.

3

With the solid black side facing up, push the speaker cable through the round hole and pull it through.

4

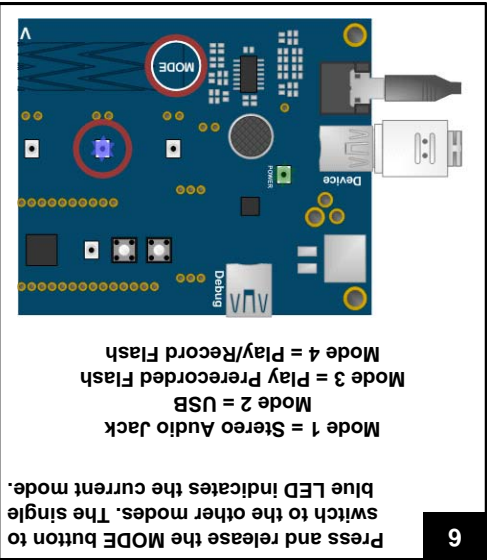
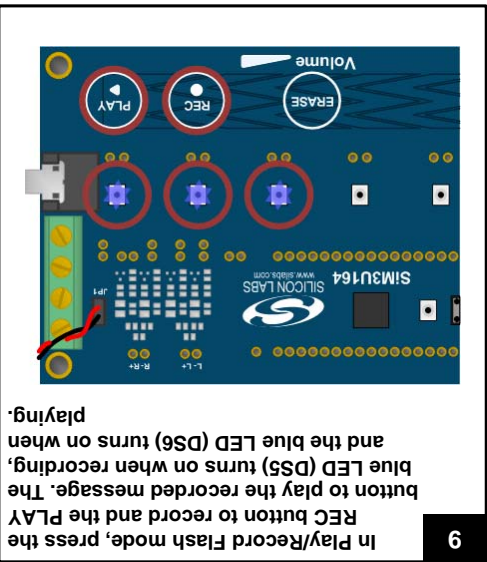
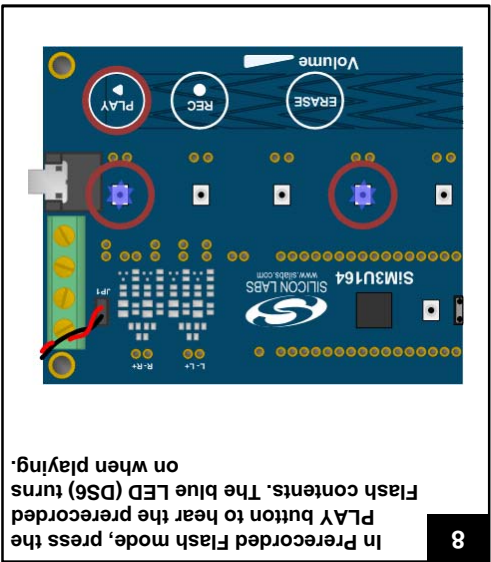
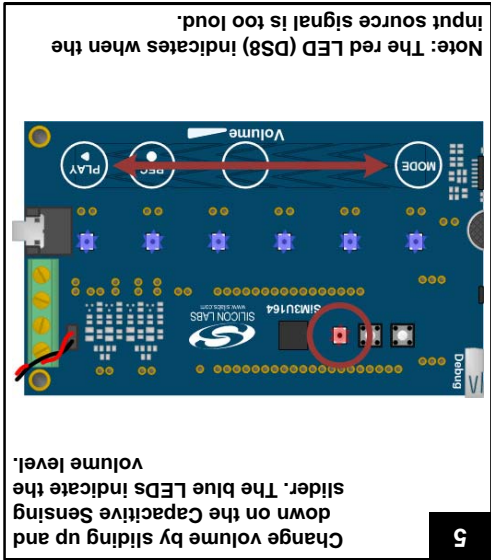
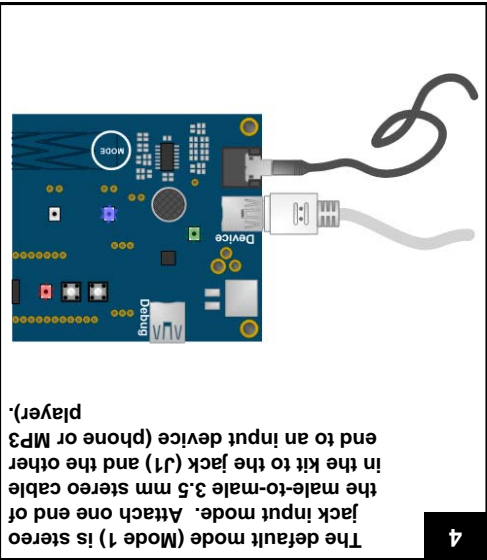
Place the edges of the speaker in the small rectangular tabs and roll the cylinder around the speaker.



B. Using the Demo



C. Relevant Documentation



Application Notes:
www.silabs.com/appnotes

- AN726: Class-D Toolstick User's Guide
- AN670: Getting Started with the Silicon Labs Precision32 AppBuilder
- AN667: Getting Started with the Silicon Labs Precision32 IDE
- AN664: Precision32 CMSIS and HAL User's Guide
- AN672: Precision32 s132Library Overview

Download the Precision32 software:
<http://www.silabs.com/32bit-software>

Class-D Toolstick Landing Page:
<http://www.silabs.com/toolstickclassd>

SIM3U1xx Datasheet:
<http://www.silabs.com/Support%20Documents/TechnicalDocs/SIM3U1xx.pdf>

SIM3U1xx Reference Manual:
http://www.silabs.com/Support%20Documents/TechnicalDocs/SIM3U1xx_-SIM3C1xx_RM.pdf

MCU Knowledge Base:
http://www.silabs.com/Support%20Documents/TechnicalDocs/SIM3U1xx_-SIM3C1xx_RM.pdf

Contact an Applications Engineer:
http://www.silabs.com/Support%20Documents/TechnicalDocs/SIM3U1xx_-SIM3C1xx_RM.pdf

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