BOOST-DAC8568 BoosterPack

Getting Started Guide: BOOST-DAC8568



TEXAS INSTRUMENTS Ē

The DAC8568 Low Power, voltage output 16-bit digital-to-analog converter (DAC) BoosterPack is ideal for evaluating and starting development with the DAC8568 precision DAC. The DAC8568 BoosterPack is compatible with the TI LaunchPad[™] ecosystem. Demonstration software for the BoosterPack is available for the MSP430F5529 microcontroller LaunchPad. The BoosterPack can also be used with other host processors via the SPI interface pins on the top of the board, which is shown in the schematic section of this getting started guide.

BOOST-DAC8568 Features:

DAC8568 (16-bit) 8-channel Precision digital-to-analog converter (DAC)

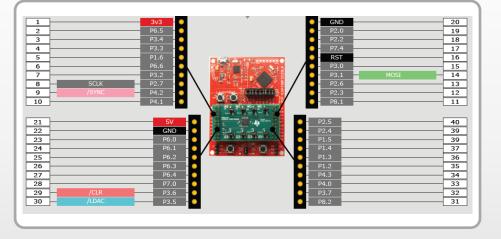
- 2.5-V Internal Reference •
- Ultra Low Power Operation
- On-chip output buffer amplifier with rail-to-rail operation
- On Board features:
 - Header connection for • DAC[A-H] outputs
 - ٠ indicator







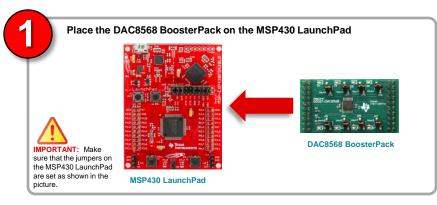
IMPORTANT: The BOOST-DAC8568 demonstration software is compatible with the MSP430F5529 MCU LaunchPad. The LaunchPad may be ordered from http://www.ti.com/tool/msp-exp430f5529



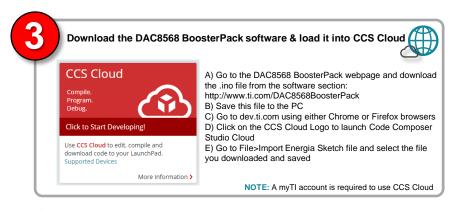
More information about Precision Analog DACs is found at http://www.ti.com/precisiondac

More information about the BoosterPack can be found at http://www.ti.com/DAC8568BoosterPack

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Run the software

Load and run the Energia Sketch demo software Run by clicking the green 'Run' button.

- The BOOST-DAC8568 blink.ino will slowly blink the LEDs biased by the DAC outputs.
- · The BOOST-DAC8568 interactive.ino will interactively teach the user DAC fundamentals.



TI E2E

Technical support for TI Precision DACs is found at Community http://www.ti.com/precisiondacsupport

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