Innovate FPGA Design Contest Semi-Finalists
Sense, Measure & Connect

As a sponsor of the Innovate FPGA design contest, Analog Devices Inc. is offering your team up to 3 **FREE** signal-chain add-on plugins for the DE-10 Nano Development Kit.
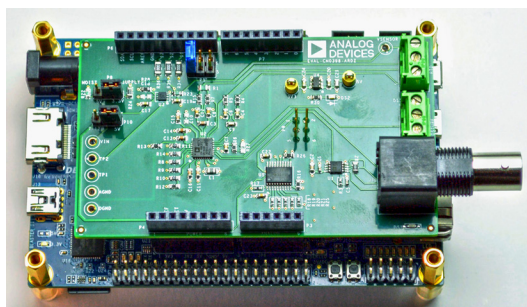
These boards process analog signals through a range of blocks like ADCs, DACs, Accelerometers/Sensors etc.

The **FREE** eval plug-in boards connect to the DE-10 Nano via the following two types of interfaces:

▶ ### Arduino Plug-Ins: Circuits from the Lab

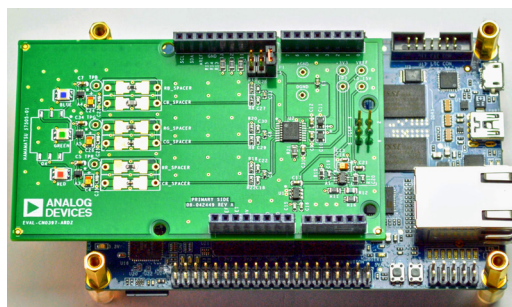Order any of the *9 EVAL add on plug-in boards* used for applications ranging from precision weight scales to gas sensing/detection.

Here are Examples of Possible EVAL Plug-In Choices:

EVAL-CN0398-ARDZ:

Electrochemical Gas Detection Plugged onto the DE-10 Nano

EVAL-CN0397-ARDZ:

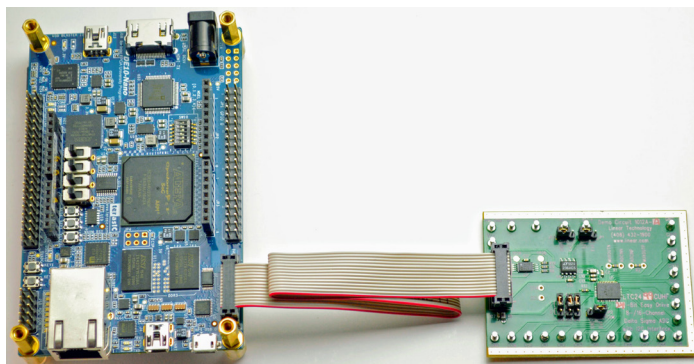3-Channel Light Detection for Smart Agriculture
Plugged onto the DE-10 Nano

Scan the above QR code to see/view any of the 9 EVAL add on plug-ins

▶ ### QuikEval™ Plug-Ins: Connecting to LTC 2×7 QuikEval Header

The QuikEval plug-in boards for the 14-pin LTC 2×7 header will help your system to process analog signals through a range of processing blocks like ADCs, DACs Accelerometers/Sensors etc.

A complete list of all QuikEval plug-in boards that attach to the 14-pin LTC 2×7 header is also available.

See Examples of Possible QuikEval Plug in Boards Below:

DC1012A-A:
24-Bit 8-Ch I²C Delta Sigma ADC Attached to DE10-NANO

DC1338B:
I²C Temperature, Current & Voltage Monitor Attached to DE10-NANO

Scan the above QR code to see/view a complete list of all QuikEval plug-in boards
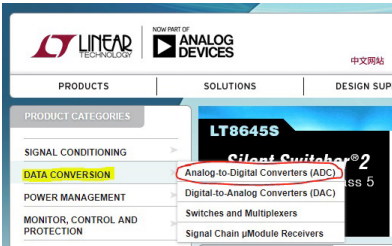
Visit *analog.com*

Next Steps: How to Search & Order Up to 3 FREE Boards
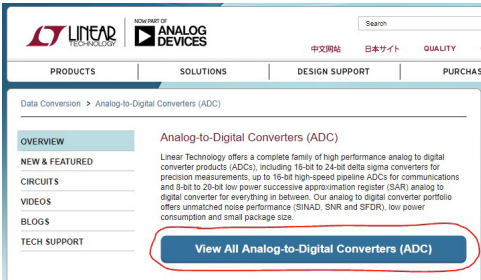
Arduino Plug-Ins: Circuits from the Lab

Part Number	General Description of Part
EVAL-CN0216-ARDZ	Precision Weigh Scale
EVAL-CN0357-ARDZ	Electrochemical Gas Detection
EVAL-CN0338-ARDZ	NDIR Thermopile Gas Sensing
EVAL-ADXL362-ARDZ	Ultra-Low Power Accelerometer
EVAL-CN0391-ARDZ	4-Channel Thermocouple System
EVAL-CN0395-ARDZ	Volatile Organic Compound Gas Detector
EVAL-CN0396-ARDZ	Dual Electrochemical Gas Sensor
EVAL-CN0397-ARDZ	3-Channel Light Detection for Smart Agriculture
EVAL-CN0398-ARDZ	Soil Moisture and pH Measurement System

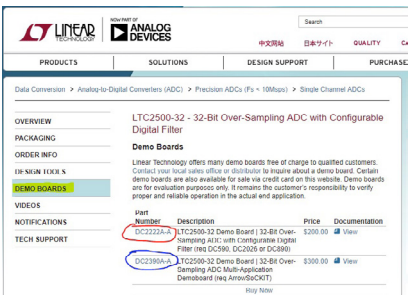▶ **QuikEval Plug-Ins: Connecting to LTC 2x7 QuikEval Header**

To help you get started, you need to pick a building block, such as:

- ADC, DAC or other processing blocks at *www.linear.com*
- As an example, lets pick an ADC for your design. Please click Data Conversion

- Then, click "View All Analog-to-Digital Converters". You can repeat this for any other building block

- Let's pick the "LTC2500-32" ADC. You can find all demo boards that are available (eg: DC2222A-A or DC2390A-A)

- A complete list of all QuikEval plug-in boards that will attach to the 14-pin LTC 2x7 header is also available.

Please fill out the form by going to: *http://www.linear.com/formforfreeboards*

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analog.com

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