

## Prototyping Daughtercards for the TI DaVinci™ EVM

The Model LR-DAVPROTO1-x series of prototyping daughtercards provide an easy method of adding custom circuitry to the Texas Instruments' model TMDSEVM6446 DaVinci evaluation module (EVM). This 9" x 5.75" daughtercard plugs into the DaVinci EVM using the 7 expansion connectors (DC1 – DC7), providing a generous prototyping area. The daughtercard holes are located on a standard 0.1 inch grid, with buss traces running the length of the board every 0.2 inches. White printable regions are located at the ends of the buss traces to allow for signal labeling with the included felt-tip marker.

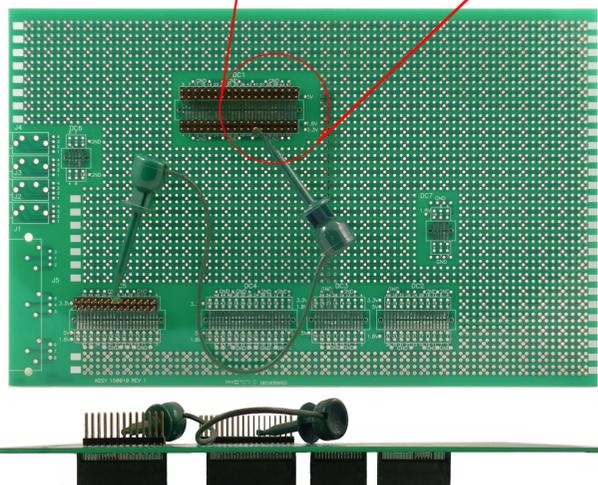
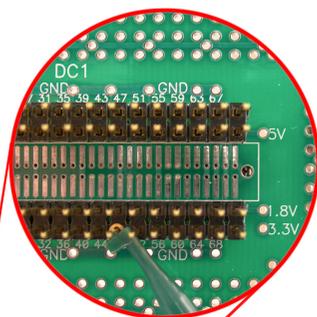
### Features

- Generous prototyping area – overall board dimensions are 9" x 5.75" (22.86 x 14.6 cm).
- Easy access to every pin on each of the 7 expansion connectors.
- Expansion connector access holes are arranged to accept standard 0.1 inch headers\*.
- Available in a stackable version, allowing additional daughtercards to be used atop this card.
- Also available with six RCA jacks and four 3.5 mm headphone jacks for general purpose use.
- Includes felt-tip marker for signal labeling.

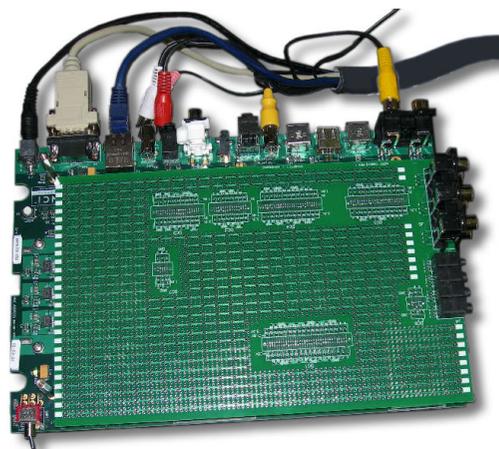
### Applications

- Custom audio/video interfaces
- Custom serial media interface (accessed at DC6)
- Access to the GIOV33 pins and Ethernet signals (accessed at DC2)
- Custom SPI, McBSP, or I2C interfaces (accessed at DC3)

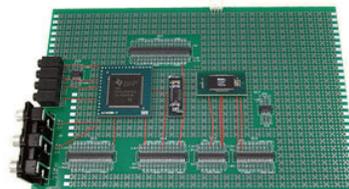
The 7 expansion connectors are clearly numbered, and their access holes accept standard 0.1 inch headers\* as shown. All power/ground signals are brought out and are clearly labeled.



The basic version of the prototyping board is shown above along with its edge view showing the bottom connectors.



Prototyping board shown plugged into the TI DaVinci EVM



A typical application is shown using the model LR-DAVPROTO1-S1 and SMT adapters.

\* headers not included

## Specifications

### Physical

Board size:	9 x 5.75 (inches) 22.86 x 14.6 (cm)
Weight (model LR-DAVPROTO1-S1):	5.0 ounces (141.7 grams)
Hole diameter:	0.035" (0.88 mm)
Hole grid:	0.1" (2.54 mm)
Buss spacing:	0.2" (5.08 mm)

### Ordering information

<u>Model Number</u>	<u>Description</u>
LR-DAVPROTO1	Basic, non-stackable prototyping daughtercard
LR-DAVPROTO1-1	A non-stackable prototyping daughtercard with 6 RCA and 4 3.5mm general purpose jacks
LR-DAVPROTO1-S	Stackable prototyping daughtercard
LR-DAVPROTO1-S1	Stackable prototyping daughtercard with 6 RCA and 4 3.5mm general purpose jacks



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