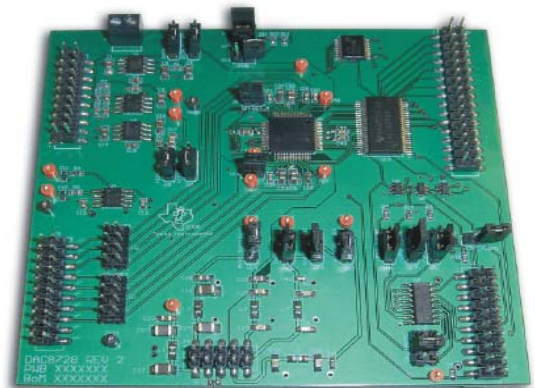


Texas Instruments - DAC8728-DAC - Evaluation Board

Product Overview:

The DAC8728EVM is a full-featured evaluation board that features the DAC8728 device. The DAC8728 is a low-power, octal, $\pm 15V$ output, parallel input, 16-bit digital-to-analog converter (DAC). This evaluation module (EVM) allows evaluation of all aspects of the DAC8728 and gives control over every pin on the device. The DAC8728EVM is designed to work by default for a bipolar output range, but it can be configured for a unipolar output range by properly configuring two jumpers. The EVM is designed to be operated from a wide range of supply voltages and use a variety of reference voltages. Installed precision reference voltages of +5VDC and +2.5VDC are selectable using onboard jumpers.



DAC8728EVM

Key Features:

- Full-featured evaluation board for the DAC8728, a 16-bit, parallel input, octal output digital-to-analogue converter.
- Onboard or external reference selection.
- Onboard 5V or 2.5V reference voltage selection
- Configurable for single-supply or dual-supply operation.
- Wide selection of digital and I/O voltages.
- Parallel interface compatible with the 5-6k Interface Card for use with a wide variety of DSP starter kits.
- Hardware or software control of control logic.

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
DAC8728EVM	Texas Instruments	1813329	72R5216

Associated Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
DAC8728SRTQT	Texas Instruments	D/A Converter IC	DAC8728	1783854	53R2228
DAC8728SPAG	Texas Instruments	D/A Converter IC	DAC8728	1783852	53R2227

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
DAC8734EVM	Texas Instruments	D/A Converter demo board	DAC8734	1788857	55R2899
DAC8811EVM-PDK	Texas Instruments	D/A Converter demo board	DAC8811	1788858	55R2900
DAC8832EVM-PDK	Texas Instruments	D/A Converter demo board	DAC8832	1788859	55R2901
DAC8881EVM-PDK	Texas Instruments	D/A Converter demo board	DAC8881	1788860	55R2902
DAC9881EVM-PDK	Texas Instruments	D/A Converter demo board	DAC9881	1788832	52R3137

Document List:

Datasheets:

Part Number	Description	Size
DAC8728	Octal, 16-bit, Low-Power, High-Voltage Output, Parallel Input D/A Converter (Rev. A)	1478KB
OPA277	High Precision OPERATIONAL AMPLIFIERS	1068KB
REF5050	Low-Noise, Very Low Drift, Precision VOLTAGE REFERENCE	615KB
REF02	LOW-DROPOUT VOLTAGE REGULATORS	931KB
SN74LVC16245A	SN74LVC16245A 16-BIT BUS TRANSCEIVER WITH 3-STATE OUTPUTS	649KB
SN74LVC139	DUAL 2-LINE TO 4-LINE ECODER / DEMULTIPLEXER	878KB
SN74LVC374A	SN54LVC374A, SN74LVC374A OCTAL EDGE-TRIGGERED D-TYPE FLIP-FLOPS WITH 3-STATE OUTPUTS	1001KB

Application Notes:

File Name	Size
5-6K Interface Board	376KB
DAP Signal Conditioning Board	210KB

