

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







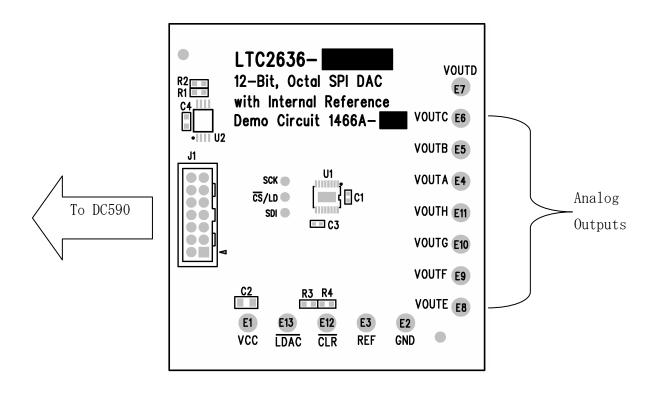
LTC2636

DESCRIPTION

Demonstration circuit DC1466 features the LTC2636 Octal 12-bit DAC. This device has an integrated, high accuracy, low-drift reference. It has a rail-to-rail output buffer and is guaranteed monotonic. This DAC commu-

nicates through the simple $SPI/MICROWIRE^{tm}$ compatible interface.

Design files for this circuit board are available. Call the LTC factory.



Demoboard	LTC2636 Variation	Power Up	Full Scale
Type			
A	LZ	Zero	2. 5V
В	LMI	Midscale	2. 5V
С	HZ	Zero	4. 096V
D	HMI	Midscale	4. 096

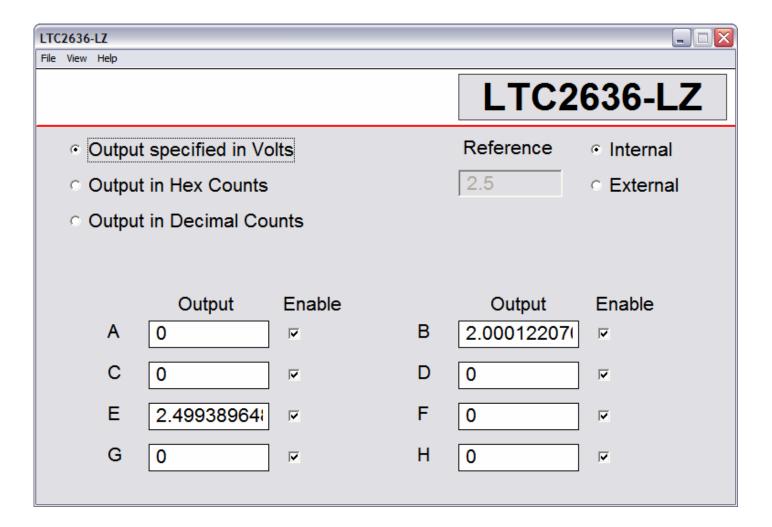


QUICK START PROCEDURE

Connect DC1466 to a DC590 USB serial controller using the supplied 14 conductor ribbon cable. Connect DC590 to a host PC with a standard USB A/B cable. Run the evaluation software supplied with DC590 or download it from www.linear.com. The correct control panel will be loaded automatically. Click the COLLECT button to begin outputting codes to the DACs and reading

back the resulting output voltage for each DAC.

Complete software documentation is available from the Help menu item, as features may be added periodically.





HARDWARE SET-UP

ANALOG CONNECTIONS

DAC outputs - The eight DAC outputs from the LTC2636 are brought out to turrets labeled VOUTA through VOUTH. These may be connected to external instruments or other circuitry.

NOTE: DAC outputs are not in alphabetical order on the circuit board.

Vref - The Ref turret is connected directly to the reference terminals of the LTC2636 When the integrated reference is being used, the reference voltage may be monitored at this point. An external reference

may also be applied to this turret after changing the setting in the QuickEval software.

GROUNDING AND POWER CONNECTIONS

Power (Vcc) - Normally DC1466 is powered by the DC590 controller. Vcc can be supplied to this turret, however the power supply on DC590 must be disabled! Refer to DC590 Quick Start Guide for more details on this mode of operation.

Grounding - Ground turrets as well as 2 grounding strips are provided.



3

QUICK START GUIDE FOR DEMONSTRATION CIRCUIT DC1466 OCTAL 12-BIT DAC WITH INTERNAL REFERENCE

