CML Microcircuits

Product Preview

EV9930/EV9930W

1 February 2018

Evaluation Kit for the CMX993/CMX993W

The EV9930 and EV9930W EvKits allow for rapid and full evaluation of the CMX993/CMX993W Quadrature Modulator IC by providing a populated pcb with access to all RF, baseband and control signals by either connectors or test points

Features

- Allows Full Evaluation and Investigation of the CMX993/CMX993W Quadrature Modulator IC
- Operational Frequency Range: 30MHz to 1GHz
- Access to RF, Control and Baseband Signals via On-board Connectors and Test Points
- Differential or Single-ended I and Q Inputs
- Can Utilise PE0003 Universal Interface Card for PC Interface, or can work with Custom Interface Equipment

Applications

- For the Evaluation, Demonstration and Design-In of the CMX993/CMX993W Quadrature Modulator IC

Supply Requirement

- 7.2 V (typ)

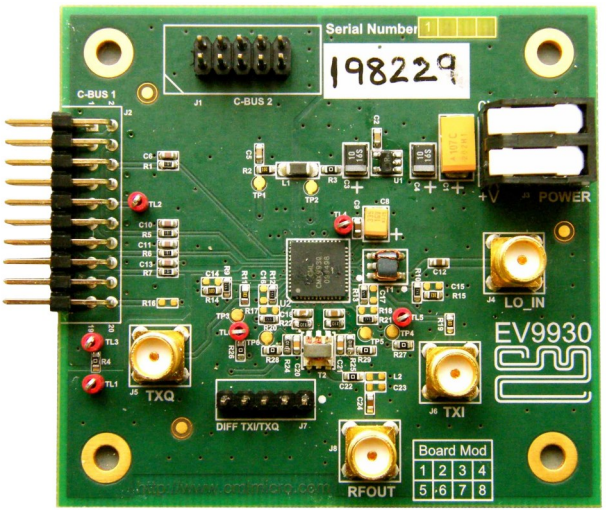
For further information, please refer to the 'Design Resources' section on the CMX993/993W product page at cmlmicro.com

Test access points are available to accept common test equipment such as RF and baseband signal generators and spectrum analysers. Control of the CMX993/CMX993W is by on-chip registers, which are accessible over the C-BUS serial interface.

A PE0003 Universal Interface card (not supplied) allows the C-BUS interface to be controlled from a PC, via its USB port.
Alternatively, the C-BUS interface can be controlled by an external microprocessor.

RF signal paths are matched by suitable components and the operating frequency range of the EvKit is for RF frequencies between 200MHz and 1GHz. A simple component change allows a lower operating frequency range of 30 to 200 MHz.

The EV9930/EV9930W baseband inputs can be configured to work with the CMX910 AIS Baseband Processor IC or the CMX981 Advanced Digital Radio Baseband Processor IC; standard test equipment or with a custom baseband system.



EV9930

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