

## 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)

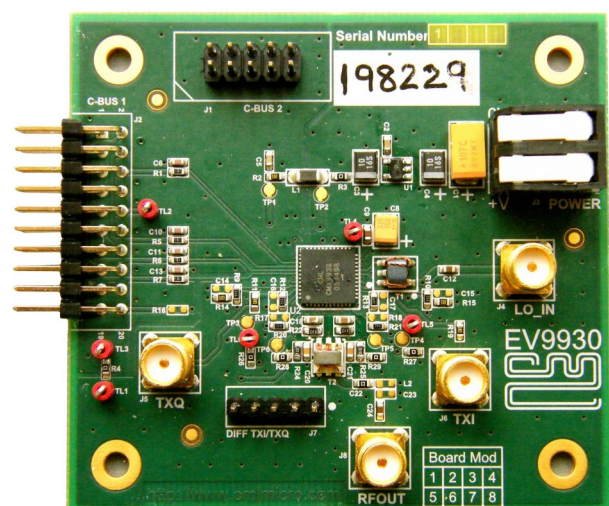
*For further information, please refer to the 'Design Resources' section on the CMX993/993W product page at [cmlmicro.com](http://cmlmicro.com)*

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.





## WHAT TO DO NEXT

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## CML Microcircuits Benefits

### Faster time to market

Developing proven high performance and field tested ASSP ICs, CML is helping engineers to cope with increasing pressure in delivering shorter project design cycles.

### Design flexibility

CML's *FirmASIC*® reconfigurable technology with the use of a Function Image upload enables a single hardware platform to be used for multiple communications systems.

### High Quality

With 100% of products being tested before shipping, customers are assured of the highest reliability.

### Product Longevity

Designing with CML products, manufacturers are rewarded with longer product life cycles and a stable BOM, ensuring minimum engineering costs and maximum profit.

### Low Power

Being at the forefront of low power chip technology, manufacturers can develop smaller equipment with extended battery life.

### Superior Support

Internal and field based applications teams worldwide provide focused customer support to ease the development process.

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