DE8691 Demonstration Kit for CMX869B

The DE8691 Demonstration Board features the CMX869B V.32 bis modem IC in a "socket modem format" implementation. The "socket modem" section also contains the line interface components and a Flash PIC µC.

Features

- Fully Isolated 2-Wire Line Interface
- Opto Isolated Ring Detect Circuitry and OptoMOS Hook Relay
- 'AT' Command Compatible Firmware
- On-board FLASH PIC Microcontroller
- PC Controlled via Terminal Emulator
- DAA included
- Single 3.3V dc power supply operation
- Break-off PCB section
- PCB layout data available

Supply Requirement

- 3.3Vdc regulated power supply

Applications

- CMX869B-based Socket Modem Demonstration

For further information, please refer to the ‘Design Resources’ section on the CMX869B product page at cmlmicro.com

Attached to the "socket modem" section are two break-off sections, which contain a 9-pin D type socket for PC serial communications, a Flash PIC programming connector, an RJ11 line connector and various LEDs for indicating signal activity.

AT Commands are used to control the demonstration board via a standard terminal emulator program running on a host PC.

Interfacing to the Demonstration Board can be via socket pins on the socket modem section, or via the connectors provided on the break-off sections. The board is operated at 3.3V dc, which must be provided by an external, regulated power supply.
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.