



eIMR-EVAL-KT

Evaluation Kit for the Am79C984A Device

DISTINCTIVE CHARACTERISTICS

- Standalone compact 10BASE-T repeater evaluation board with Am79C984A eIMR
- Supports 4 10BASE-T ports and 1 AUI port
- 2 LEDs per port and 2 global LEDs can be configured to show a variety of events
- Activity LEDs show network loading
- DB-15 connector provides AUI access
- On-board regulator that provides 5 V from a 12 VDC power supply
- Passes FCC Class B

GENERAL DESCRIPTION

The eIMR Evaluation Kit is an evaluation platform for the Am79C984A enhanced Integrated Multiport Repeater (eIMR). The evaluation board functions as a standalone 10BASE-T unmanaged repeater. Four 10BASE-T ports and one AUI port are provided. The compact size of the board indicates that an eIMR-based design can be constructed inexpensively. Complete schematics and layout information are included in the kit.

The eIMR board provides a full set of LEDs, without the need for external drivers. A set of LEDs are used for the activity indication, used to display network traffic activity. Each port also accesses 2 LEDs, each of which can be configured to display Carrier Sense, Collision, Link, Jabber or Partition Status. Two global LEDs display global events. Six different LED schemes are supported.

The eIMR board is powered by a 12 V DC power supply (included). An onboard regulator derives 5 V for the eIMR board.

Included in the kit is a document describing the results from a FCC Class B test. The eIMR board was tested without using an enclosure, and passed successfully. With an appropriately shielded enclosure, a design using eIMR should meet FCC Class B with relative ease.

eIMR EVALUATION KIT CONTENTS

- eIMR board
- eIMR/eIMR+ Product Brief
- eIMR Am79C984A Datasheet
- eIMR Evaluation Board instructions
- eIMR Evaluation Board 4-port schematics, layout and Parts list
- eIMR Evaluation Board 8-port schematics and Parts list
- eIMR 4-port evaluation board FCC test data
- Customer Design-win bulletin
- 12 V Power supply

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