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Find the *Nallatech BenTEST* at our website: *Click HERE*

NALLATECH

BenTEST™ Series

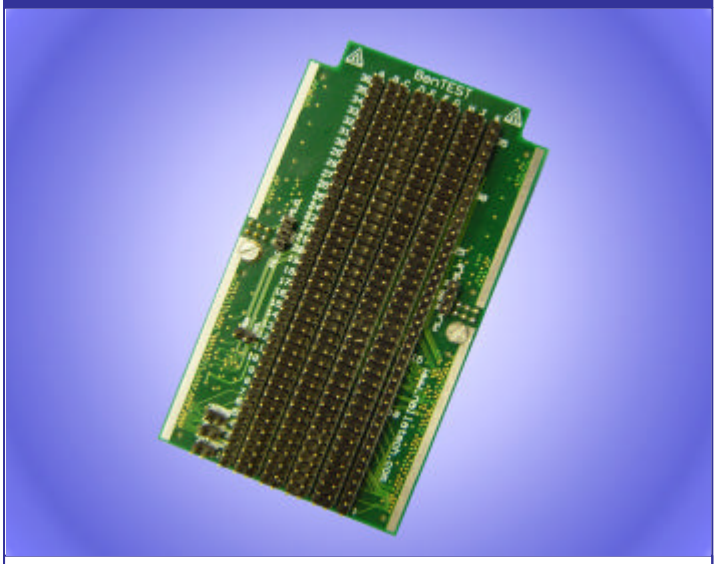
DIME-II™ Breakout Modules

BenTEST Series – Development Aids for DIME-II Users

Overview

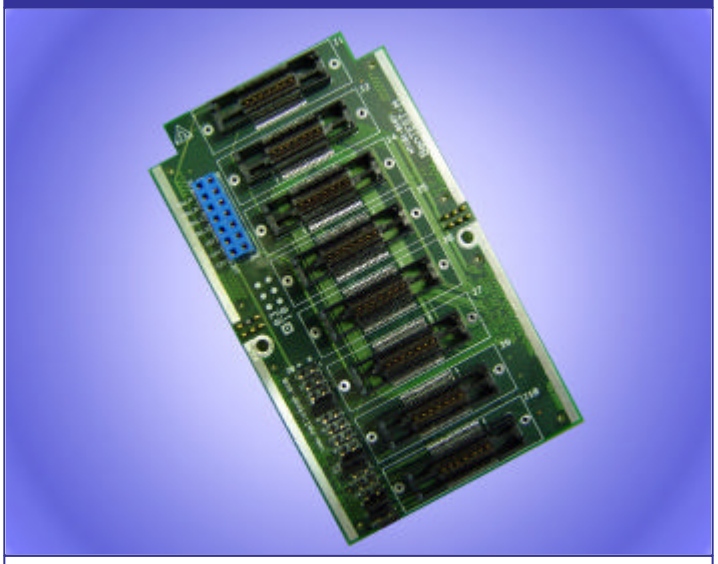
The BenTEST Series provides direct access to the DIME-II communication buses. These modules act as a simple but highly effective de-bug tool. As part of the scalable DIME-II family, the BenTEST Series can be easily integrated into systems, through the range of available DIME-II motherboards and associated software/firmware.

BenTEST



DIME-II™

BenTEST-M



DIME-II™

BenTEST ™

The BenTEST DIME-II Module provides users with the ability to interface directly into the standard DIME-II Communication buses. Interfacing to the BenTEST is via standard 0.1”pitch headers that allow easy access to DIME-II bus signals.

In addition to the standard DIME-II communication buses there are a number of control, monitoring and voltage reference pins available for use.

BenTEST-M ™

The BenTEST-M is similar to the standard BenTEST, as it allows users access to the DIME-II communication buses. However, interfacing to the DIME-II communication buses on the BenTEST-M are via MICTOR connectors.

The MICTOR connector allows access to 34 DIME-II signals in one single connection. This enables rapid connection of multiple signals in single connections with a MICTOR cable.

BenTEST Series - Product Highlights

- ✓ **Direct Access to signals available on the DIME-II connectors**
- ✓ **Over 300 I/O available**
- ✓ **Interface Option of either Standard 0.1”pitch headers or MICTOR connectors**
- ✓ **Compatible with the DIME-II product range**

Applications

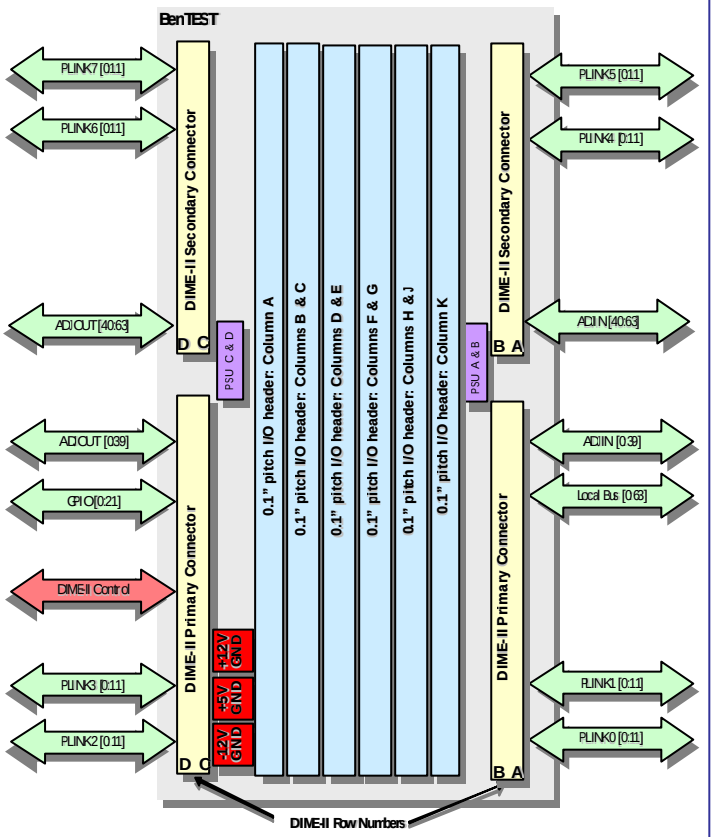
Some examples of applications for the BenTEST Series are:

- **Rapid De-bug of FPGA designs**
- **External Interfacing to DIME-II Communication buses**

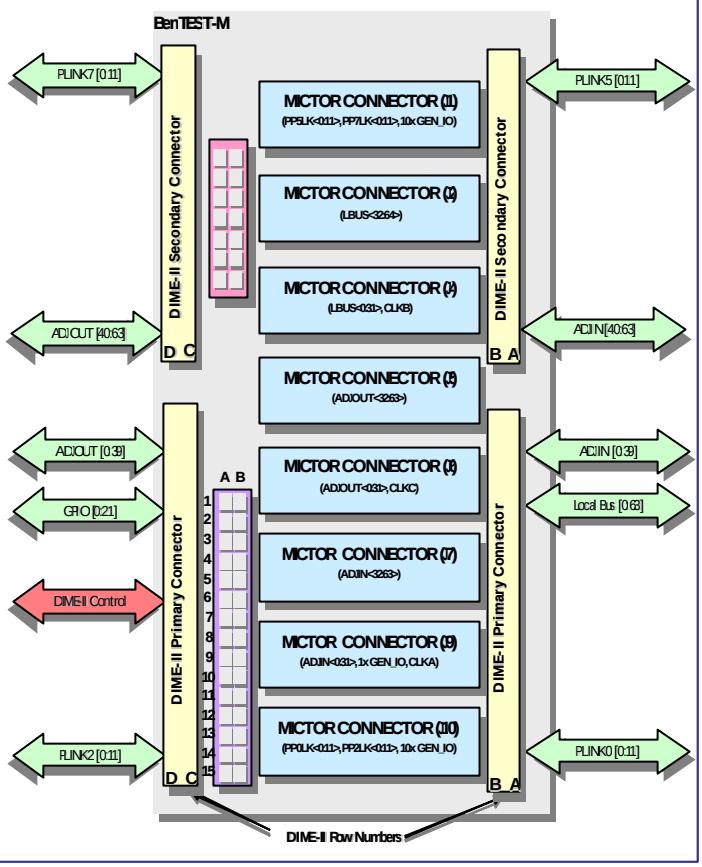
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BenTEST™ Series

BenTEST Functional Diagram



BenTEST-M Functional Diagram



BenTEST Series Specification

DIME-II Signal Support	BenTEST	BenTEST-M
Adjacent Bus In	64 bits	64 bits
Adjacent Bus Out	64 bits	64 bits
Local Bus	64 bits	64 bits
Comm Links 0 & 2	✓	✓
Comm Links 1 & 3	✓	**x**
Comm Links 4 & 6	✓	**x**
Comm Links 5 & 7	✓	✓
GPIO Bus (21 bit)	✓	✓
CLKA; CLKB; CLKC	✓	✓
Control/ Monitoring Signals	19	19
+5V; +12V; -12V reference pins	✓	✓
+1.5V; +1.8V; +2.5V; +3.3V reference pins*	✓	✓

**Please Note: These Voltage Reference pins, (+1.5V; +1.8V; +2.5V; +3.3V), are only available when sited onto a motherboard with support for Programmable Power Supplies.*

Order Codes

BenTEST Series:

Product	Order Code
BenTEST with 0.1"pitch headers	BenTEST-01
BenTEST-M with MICTOR connectors	BenTEST-M-01

Further Information

Contact Nallatech for further product information:

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