National
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CompactRISC™

Debugger Communication Interface (DbgCom)

Beta Version 0.80

Release Letter

PREFACE

This release letter describes the Debugger Communication Interface (DbgCom) Beta Version 0.80 for CompactRISC debuggers.

The *CompactRISC Debugger Communication Interface (DbgCom) User Guide* provides a full description of how to install the DbgCom.

This release letter includes: product enhancements, limitations, and known software errors.

For technical support and additional information, visit our Web site at:

http://www.CompactRISC.com

or contact the National Semiconductor support center in your area, as listed on the back of this document.

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1.0 RELEASE PACKAGE CONTENTS

Part Number	Description
440521771-001	One CD-ROM, containing the Debugger Communication Interface (DbgCom) software Beta Version 0.80, and on-line documentation (in PDF format). When supplied as part of the National Semiconductor CompactRISC Development Toolset, the DbgCom software is included in the CompactRISC Toolset CD-ROM.
424521771-001	Debugger Communication Interface (DbgCom) User Guide.
433521771-001	This release letter.

2.0 PRODUCT DESCRIPTION

The Debugger Communication Interface (DbgCom) software is a communication layer between a debugger, running on a host platform, and a target monitor, either running on an Application Development Board (ADB), or simulated on the host platform. The DbgCom communication layer hides the physical communication media from the debugger. The debugger uses a standard (DbgCom) API to communicate with any target monitor.

The package is intended for IBM-PC compatible computers running Windows 95, or Windows NT 4.0.

3.0 PRODUCT ENHANCEMENTS

- Supports RS-232 communication channels for Windows 95 and Windows NT.

- Supports JTAG communication channel for Windows 95.

- Supports communication with Functional and Performance simulators running on the PC host.

4.0 LIMITATIONS

- The JTAG communication channel for Windows 95 is in Alpha quality.

- The test option, described in "Testing DbgCom Communication With Target Board" in the *CompactRISC Debugger Communication Interface (DbgCom) User Guide*, is not available for JTAG and RS-422 communication channels under Windows 95.

- Only one communication channel of type JTAG, and only one communication channel of type RS-422 can be defined.

5.0 KNOWN SOFTWARE ERRORS

Issue 1025

Problem   The link to the `DbgCom` Setup folder, from `My Computer`, is incorrect.

Workaround   Enter the `DbgCom` folder through the `Control Panel` located in `My Computer`.

Issue 1037
(Windows NT 4.0 only)

Problem   The JTAG Test Mode, described in the Troubleshooting Tips section of the *CompactRISC Debugger Communication Interface (DbgCom) User Guide*, does not function properly.
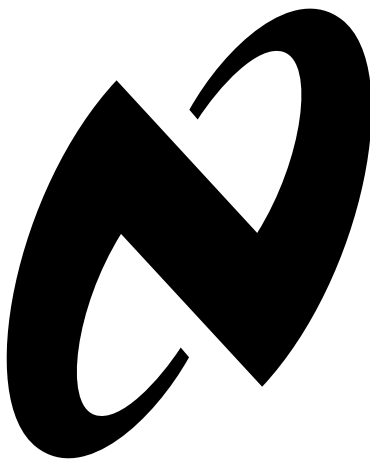
Workaround   None

Issue 1107

Problem   The DbgCom allows two different debuggers to open the same communication channel in parallel. This can cause the DbgCom (or either of the debuggers) to stop responding.

Workaround   Avoid opening the same communication channel from two debuggers in parallel.

National Semiconductor supplies a comprehensive set of service and support capabilities. Complete product information and design support is available from National's customer support centers.

To receive sales literature and technical assistance, contact the National support center in your area.

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