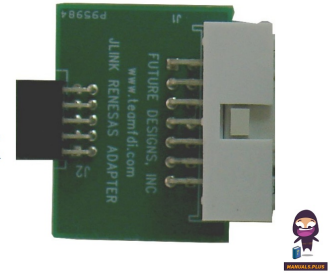


FDI
JLINK-RX-AD
Adapter For RX
Devices



FDI JLINK-RX-AD Adapter For RX Devices User Manual

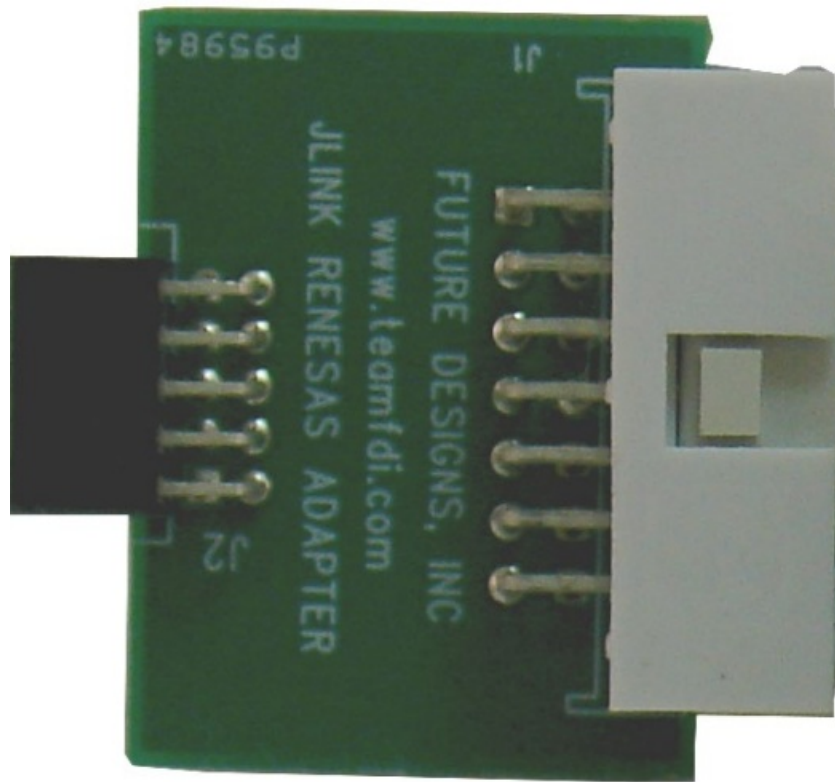
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FDI

FDI JLINK-RX-AD Adapter For RX Devices



Product Information

Specifications

- **Product Name:** JLINK-RX-AD
- **Compatibility:** Works with FDI's products using a mini-JTAG connector
- **Connector Type:** Mini-JTAG based on a 2mm header
- **Functionality:** Provides 100% functionality of standard 14-pin JTAG with 70% less board space

Product Usage Instructions

Compatibility and Setup

- The JLINK-RX-AD is designed to work with FDI's products that utilize a mini-JTAG connector.
- It is intended for users who have a 14-pin JTAG debugger compatible with RX-based processors like the SEGGER J-Link Lite RX.

Schematic and Pin Out

- The product schematic shows the pin-out details for both the standard JTAG connector and the mini-JTAG connector used by FDI products.

Rework Instructions

- If reworking for uEZGUI-RX62N-35QT boards, desolder connector J2 and resell it to the opposite side of the board as instructed.

Additional Information

- For more information on FDI or their products, visit their website at www.teamfdi.com.
- Please note that the inclusion of vendor software products in this kit does not imply endorsement by Future Designs, Inc.

Note

FDI PN: JLINK-RX-AD Revision:1.1, 9/17/2024 Printed in the United States of America

FAQ

- **Q:** Is a debugger included with the JLINK-RX-AD?
- **A:** No, this product does not include a debugger. It is intended for use with existing compatible debuggers.
- **Q:** What is the purpose of the mini-JTAG connector used by FDI products?
- **A:** The mini-JTAG connector provides the full functionality of a standard 14-pin JTAG connector while occupying significantly less board space, making it ideal for compact designs.

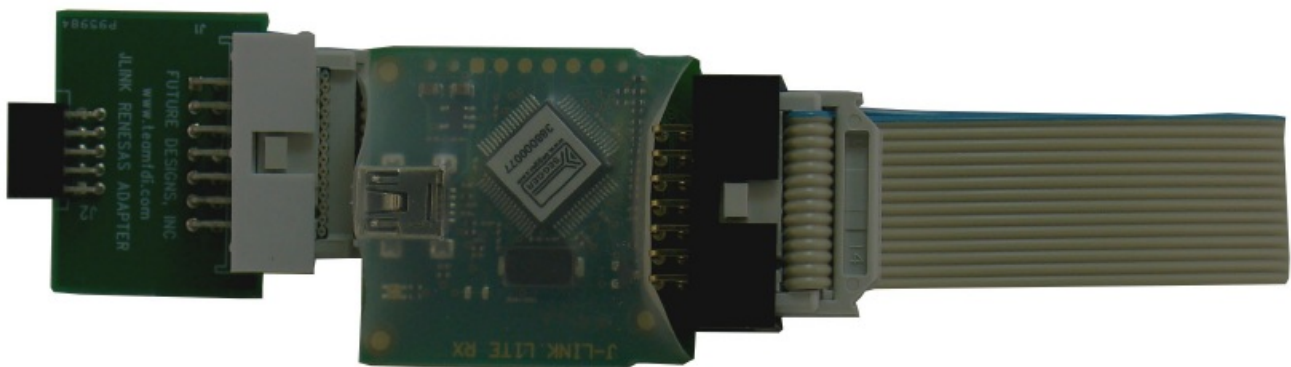
Introduction

JLINK-RX-AD User's Manual

The JLINK-RX-AD is designed to work with FDI's products that utilize a mini-JTAG connector. Products include the following:

- uEZGUI-RX62N-35QT (Rev 2 boards require rework of the adapter board to work properly)
- SOMDIMM-RX62N

This product is intended for users who currently own a 14-pin JTAG debugger that is compatible with RX-based processors like the SEGGER J-Link Lite RX, no debugger is included with this product. FDI products with a JTAG interface use a reduced-size JTAG connector based on a 2mm header. This smaller connector provides 100% of the functionality of the standard 14-pin JTAG connector but utilizes 70% less board space.



J-Link Lite RX with Adapter Board

Schematic



TO FDI MINI-JTAG CONNECTOR
ON SOMMDIMM-RX62N

TO RENESAS STANDARD 14 PIN JTAG DEBUGGER

JLINK-RX-AD User's Manual

Signal	Standard JTAG pin out	mini-JTAG pin out
TCK	1	5
GND	2, 12, 14	9
TRTS	3	2
EMLE	4	10
TDO	5	7
MD1	7	6
MD0	8	1
TMS	9	4
TDI	11	3
RESET	13	8
NC	10	

Rework for Revision 2 uEZGUI-RX62N-35QT Boards

- To rework the JLINK-RX-AD to work with uEZGUI-RX62N-35QT boards desolder the connector J2 and resolder it to the opposite side of the board.



Before Rework for
SOMDIMM-RX62N/RX63N



After Rework for
uEZGUI-RX62N-35QT

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For more information on FDI or our products please visit www.teamfdi.com.


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Documents / Resources

 <p>JLINK-RX-AD User's Manual</p>	<p>FDI JLINK-RX-AD Adapter For RX Devices [pdf] User Manual</p> <p>JLINK-RX-AD Adapter For RX Devices, JLINK-RX-AD, Adapter For RX Devices, RX Devices, D evices</p>
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References

- [FDI Home - FDI - Future Designs Inc.](#)
- [User Manual](#)

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