

# RocketPort® ISA and PCI Series Building Loopback Plugs *Hardware Tech Tip*

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## Introduction

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Loopback plugs are used with the diagnostic software to test serial ports. This *Hardware Tech Tip* discusses building loopback plugs for use with the following RocketPort cards:

- RocketPort ISA- and PCI-bus boards that use an external RS-232 or RS-232/422 interface box
- RocketPort ISA- and PCI-bus boards that use the Quadcable or Octacable interfaces
- RocketPort 4J or 8J boards

**Note:** The **Hardware Installation Cards** contain information about how to build loopback plugs for the RocketPort 485 and RocketPort PCI 422 cards.

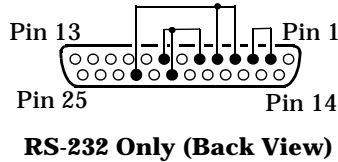
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## Building DB25 Male Loopback Plugs

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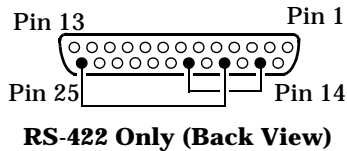
Wire the following pins together for an RS-232 plug.

- Pins 2 to 3
- Pins 4 to 5 to 22
- Pins 6 to 8 to 20



Wire the following pins together for an RS-422 plug.

- Pins 15 to 19
- Pins 17 to 25



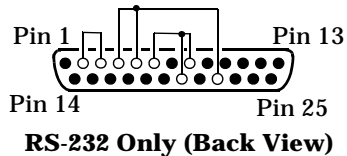
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## Building DB25 Female Loopback Plugs

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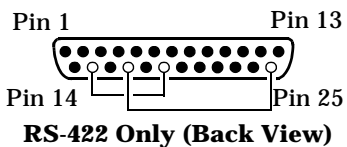
Wire the following pins together for an RS-232 plug.

- Pins 2 to 3
- Pins 4 to 5 to 22
- Pins 6 to 8 to 20



Wire the following pins together for an RS-422 plug.

- Pins 15 to 19
- Pins 17 to 25



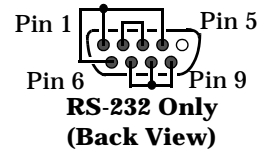
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## Building DB9 Female Loopback Plugs

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Wire the following pins together for an RS-232 plug:

- Pins 1 to 4 to 6
- Pins 2 to 3
- Pins 7 to 8 to 9



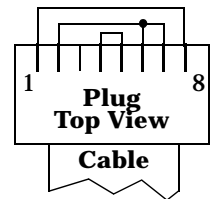
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## Building RJ45 Loopback Plugs

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Wire the following pins together for an RJ45 plug:

- Pins 4 to 5
- Pins 1 to 8
- Pins 2 to 6 to 7



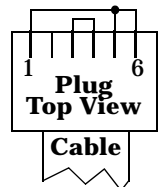
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## Building RJ11 Loopback Plugs

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Wire the following pins together for an RJ11 plug:

- Pins 1 to 5 to 6
- Pins 3 to 4



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## Technical Support

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Comtrol has a staff of support technicians available to help you. Before you call, please have the following information available:

- Model number
- Serial number
- Interface type
- I/O address and IRQ
- Operating system type and release
- Device driver version
- PC make, model, and speed
- List other devices in the PC and their addresses

Comtrol	Headquarters	Europe
Phone	(651) 631-7654	+44 (0)1869 323220
FAX	(651) 631-8117	+44 (0)1869 323211
Email	<a href="mailto:support@comtrol.com">support@comtrol.com</a>	<a href="mailto:support@comtrol.co.uk">support@comtrol.co.uk</a>
web site	<a href="http://www.comtrol.com">www.comtrol.com</a>	<a href="http://www.comtrol.co.uk">www.comtrol.co.uk</a>
ftp site	<a href="ftp://ftp.comtrol.com">ftp.comtrol.com</a>	

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