

# RocketPort USB Serial Hub III Connecting Serial Devices

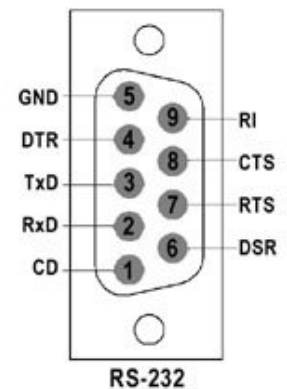
Use the following information to connect serial devices to the RocketPort USB Serial HubIII.

- Signals
- Connecting serial devices
- Building null-modem cables
- Building straight-through cables
- Building loopback plugs

## Signals

The following drawing and table show the pin-out signals for the RS-232 DB9 serial port connectors on the RocketPort USB Serial Hub III.

PIN	RS-232 SIGNAL	DB9 SIGNALS
1	DCD	Data Carrier Detect
2	RxD	Received Data
3	TxD	Transmitted Data
4	DTR	Data Terminal Ready
5	Signal Ground	Signal Ground
6	DSR	Data Set Ready
7	RTS	Request to Send
8	CTS	Clear to Send
9	RI	Ring Indicator

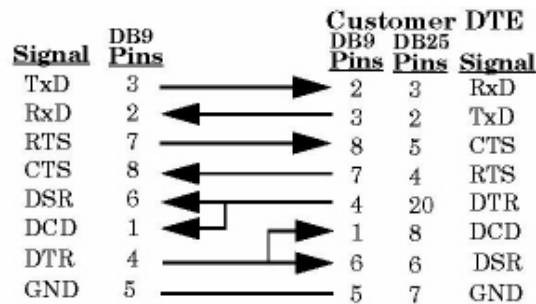


## Connecting the Serial Device

1. Connect the serial device(s) to the serial port(s) on the RocketPort USB Serial Hub III.
2. Disconnect the USB cable from the RocketPort USB Serial Hub III upstream port. The USB port is located next to the serial ports.
3. Reconnect the USB cable to the RocketPort USB Serial HubIII upstream port. The PC automatically locates and configures each serial port on the RocketPort USB Serial Hub III.

## Building Null-Modem Cables

You need a null-modem cable to connect to DTE devices. For example, you can connect one end of a null-modem cable to COM2 on one computer and the other end of the null-modem cable to COM2 on another computer.



Use the following information to build null-modem cables.



**Note**

You can also attach a null-modem adapter to one end of a straight-through cable to create a null-modem cable.

## Building Straight-Through Cables

Straight-through cables connect modems to other DCE devices. For example, you can connect one end of a straight-through cable to COM2 on one computer and the other end of a straight-through cable to a modem.

Signal	DB9 Pins	Customer DCE		Signal
		DB9 Pins	DB25 Pins	
DCD	1	1	8	DCD
RxD	2	2	3	RxD
TxD	3	3	2	TxD
DTR	4	4	20	DTR
GND	5	5	7	GND
DSR	6	6	6	DSR
RTS	7	7	4	RTS
CTS	8	8	5	CTS
RI	9	9	22	RI

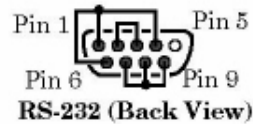
Use the following information to build straight-through cables.

## Building Loopback Plugs

You can use this information to build a loopback plug that can be used to test the port using Test Terminal.

The RocketPort USB Serial Hub III uses an RS-232 female loopback plug. To build a loopback plug for the RocketPort USB Serial Hub

III, wire the following pins together:



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