

# VCO: RJ45 Pinouts for Various VCO I/O–Modules and SDS MDF–Adapters

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## Introduction

This document shows the pinout specification of the RJ45 Jack/Receptacle (female) present on various Cisco VCO/4K I/O modules and SDS main distribution frame (MDF) adapters.

This document fills in gaps in the Card Technical Descriptions Software Release 5.1 document.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

This document is not restricted to specific software and hardware versions.

### Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

## ICC I/O Module Network Pinouts

The first pinout below lists the network pinouts for the RJ45 Jack/Receptacle (female) on the ICC I/O Module. Use this table as a reference when wiring together an RJ45 connector (male) to a cable that you will then insert into the RJ45 Jack/Receptacle on the ICC I/O module. This covers both T1 and E1 issues.

VCO side		Network side
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Pin 1 Tx Ring	-	network Rx Ring
Pin 8 TX Tip	-	network Rx Tip
Pin 4 Rx Ring	-	network TX Ring
Pin 5 Rx Tip	-	network TX Tip

Also, a VCO/4K to Cisco AS5300 cable pinout would look like this:

VCO side		AS5300
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Pin 1 TX Ring	-	Pin 1 Rx Ring
Pin 8 TX Tip	-	Pin 2 Rx Tip
Pin 4 Rx Ring	-	Pin 4 TX Ring
Pin 5 Rx Tip	-	Pin 5 TX Tip

Note the orientation of the RJ45 Jack/Receptacle on the ICC I/O module. When viewing the RJ45 Jack/Receptacle on the ICC I/O module, you will see the 'key/notch' of the jack on your left-hand side. Given this viewing orientation, Pin 8 is on the top and Pin 1 is on the bottom.

The above descriptions are repeated for the following VCO I/O-Modules and SDS MDF-adapters:

- The [120 ohm, (non-coax)] RJ45/DB15 VCO I/O Module for the 4xT1 and 4xE1-120 ohm cards. (This RJ45 jack has the same orientation as the ICC I/O Module's RJ45 jack.)
- The [120 ohm, (non-coax)] RJ45 SDS MDF Adapter for the 4xT1 and 4xE1-120ohm cards.

**Note:** For this MDF adapter, when viewing the RJ45 Jack/Receptacle on the MDF adapter, you will see the 'key' of the jack on your right-hand side. Given this viewing orientation, Pin 1 is on the top and Pin 8 is on the bottom.

- The [120 ohm, (non-coax)] RJ45/DB15 VCO I/O Module for the PRI/N and E1-PRI-120 ohm (NET5)cards. (This RJ45 jack has the same orientation as the ICC I/O Module's RJ45 Jack.)
- The [120 ohm, (non-coax)] RJ45/DB15 SDS MDF Adapter for the PRI/N and E1-PRI-120ohm (NET5) cards.

**Note:** For this MDF adapter, when viewing the RJ45 Jack/Receptacle on the MDF adapter module, you will see the 'key' of the jack on top. Given this viewing orientation, Pin 1 is on the left and Pin 8 is on the right.

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## Related Information

- [Cisco VCO/4K Product Literature](#)
- [Cisco VCO/4K Product Information/Catalogue](#)
- [Cisco VCO/4K Documentation](#)
- [Voice Technology Support](#)
- [Voice and Unified Communications Product Support](#)
- [Recommended Reading: Troubleshooting Cisco IP Telephony](#)
- [Technical Support – Cisco Systems](#)

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