



Text Part Number: 78-6099-01

Cabling Specifications for the Cisco AccessPath-VS3 Packet Telephony Concentrator

This guide provides cable assemblies and pinouts for the cables that shipped with the Cisco AccessPath-VS3 Packet Telephony Concentrator.

Note If you purchased a backhaul port adapter, refer to the cabling information that came with your port adapter or the *Cisco 7206 Installation and Configuration Guide*.

The guide includes the following cable assembly and pinout information:

- Cisco AccessPath-VS3 Model 531 System Signal Harness, page 2
- Patch Panel Cable Assembly and Pinout, page 3
- Cisco AS5300 Access VoIP Shelf Cable Assemblies and Pinouts, page 8
- Router Shelf Cable Assemblies and Pinouts, page 11
- Cisco 3640 System Controller Cable Assemblies and Pinouts, page 16
- Cisco 3640 Gatekeeper Cable Assemblies and Pinouts, page 19
- Cisco Catalyst 5002 Switch Shelf Cable Assemblies and Pinouts, page 20
- Cabinet Interconnect Cable Assemblies and Pinouts, page 24
- System Port Mapping, page 28

Note This guide specifies pinouts only for the pins used. Only the pins listed in the tables in this guide are connected; all unlisted pins are unused.

Corporate Headquarters

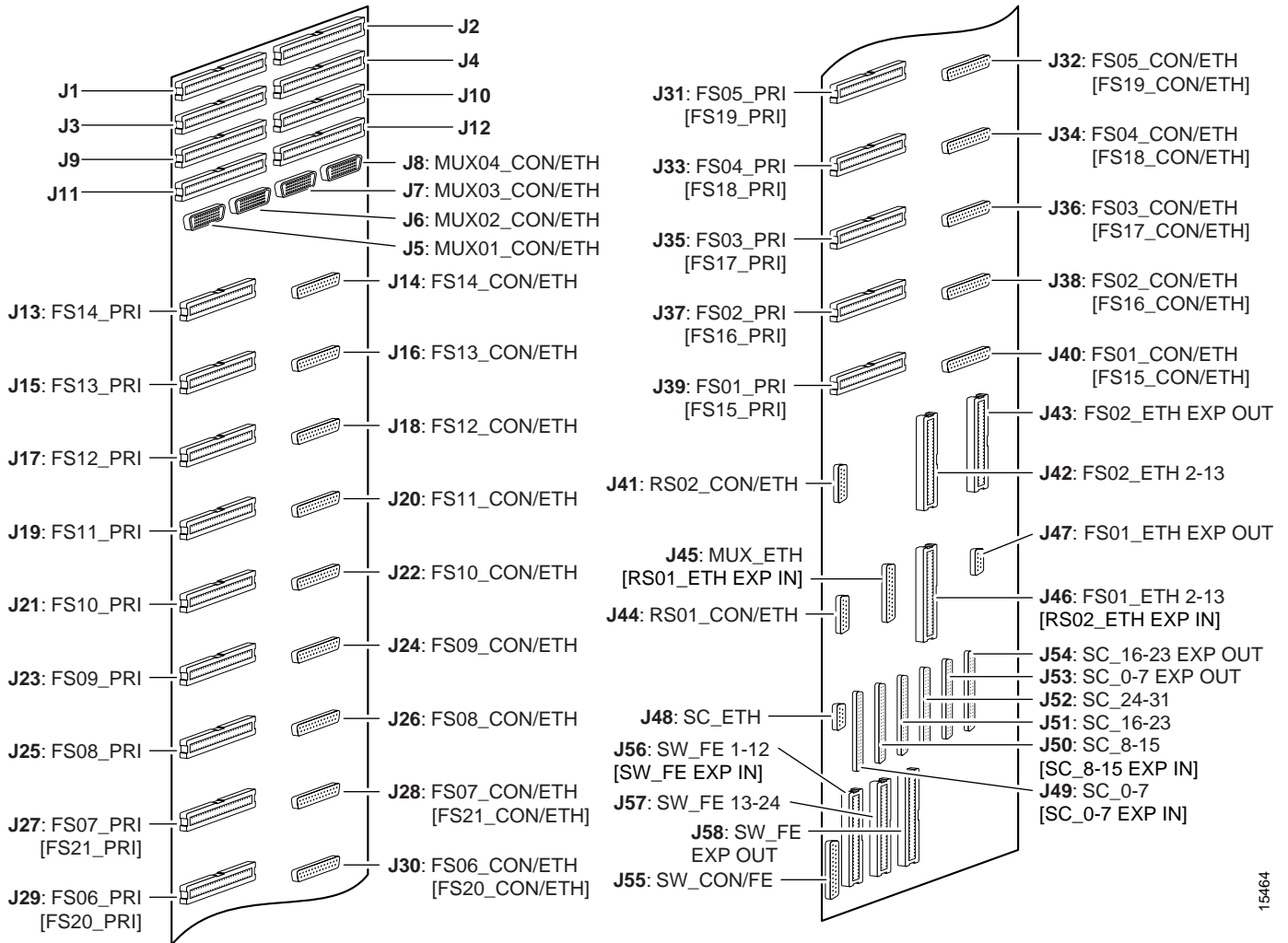
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA

Copyright © 1998
Cisco Systems, Inc.
All rights reserved.

Cisco AccessPath-VS3 Model 531 System Signal Harness

The Cisco AccessPath-VS3 system shelves connect to each other through the signal harness. Throughout this guide, cable connections to the signal harness are described using the signal harness connector numbers, J1 through J58. These connector numbers are stencilled on the signal harness. (See Figure 1.)

Figure 1 Cisco AccessPath-VS3 Model 531 Integrated Access System Signal Harness Connector Descriptions



Patch Panel Cable Assembly and Pinout

The patch panels route T1/E1 PRI connections into the Cisco AccessPath-VS3 system.

The patch panel-to-signal harness cable (72-1466-xx) delivers T1/E1 PRI signals from the patch panels to the Cisco AS5300 Access VoIP Shelves through connections to J1-J4 and J9-J12 on the signal harness. (See Figure 2 and Table 1.)

Figure 2 Patch Panel-to-Signal Harness Cable (72-1466-xx)

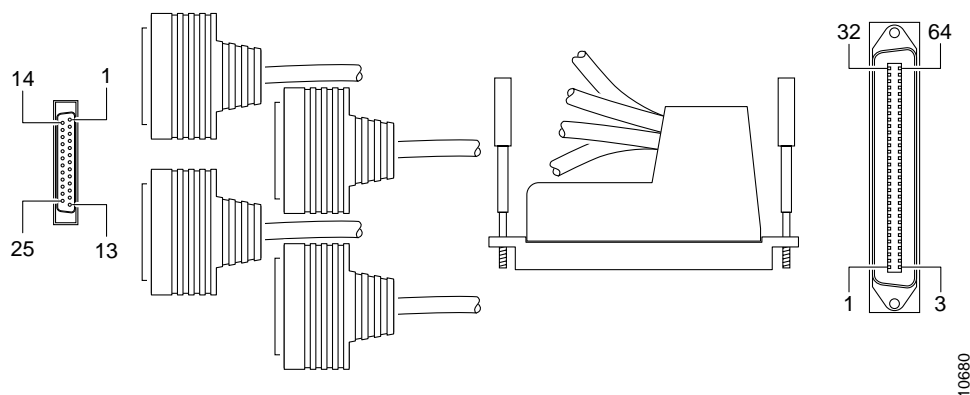


Table 1 Patch Panel Cable (72-1466-xx)

Cable Leg	25 Pin	Signal	Description	64 Pin	Twisted Pair
P1	1	Rx Tip +	Receive Tip +	1	1
	2	Tx Tip +	Transmit Tip +	2	2
	3	Rx Tip +	Receive Tip +	3	3
	4	Tx Tip +	Transmit Tip +	4	4
	5	Rx Tip +	Receive Tip +	5	5
	6	Tx Tip +	Transmit Tip +	6	6
	7	Rx Tip +	Receive Tip +	7	7
	8	Tx Tip +	Transmit Tip +	8	8
	14	Rx Ring -	Receive Ring -	33	1
	15	Tx Ring -	Transmit Ring -	34	2
	16	Rx Ring -	Receive Ring -	35	3
	17	Tx Ring -	Transmit Ring -	36	4
	18	Rx Ring -	Receive Ring -	37	5
	19	Tx Ring -	Transmit Ring -	38	6
	20	Rx Ring -	Receive Ring -	39	7
	21	Tx Ring -	Transmit Ring -	40	8

Table 1 Patch Panel Cable (72-1466-xx) (continued)

Cable Leg	25 Pin	Signal	Description	64 Pin	Twisted Pair	
P2	1	Rx Tip +	Receive Tip +	9	1	
	2	Tx Tip +	Transmit Tip +	10	2	
	3	Rx Tip +	Receive Tip +	11	3	
	4	Tx Tip +	Transmit Tip +	12	4	
	5	Rx Tip +	Receive Tip +	13	5	
	6	Tx Tip +	Transmit Tip +	14	6	
	7	Rx Tip +	Receive Tip +	15	7	
	8	Tx Tip +	Transmit Tip +	16	8	
	14	Rx Ring –	Receive Ring –	41	1	
	15	Tx Ring –	Transmit Ring –	42	2	
	16	Rx Ring –	Receive Ring –	43	3	
	17	Tx Ring –	Transmit Ring –	44	4	
	18	Rx Ring –	Receive Ring –	45	5	
	19	Tx Ring –	Transmit Ring –	46	6	
	20	Rx Ring –	Receive Ring –	47	7	
	21	Tx Ring –	Transmit Ring –	48	8	
	P3	1	Rx Tip +	Receive Tip +	17	1
		2	Tx Tip +	Transmit Tip +	18	2
		3	Rx Tip +	Receive Tip +	19	3
		4	Tx Tip +	Transmit Tip +	20	4
		5	Rx Tip +	Receive Tip +	21	5
6		Tx Tip +	Transmit Tip +	22	6	
7		Rx Tip +	Receive Tip +	23	7	
8		Tx Tip +	Transmit Tip +	24	8	
14		Rx Ring –	Receive Ring –	49	1	
15		Tx Ring –	Transmit Ring –	50	2	
16		Rx Ring –	Receive Ring –	51	3	
17		Tx Ring –	Transmit Ring –	52	4	
18		Rx Ring –	Receive Ring –	53	5	
19		Tx Ring –	Transmit Ring –	54	6	
20		Rx Ring –	Receive Ring –	55	7	
21		Tx Ring –	Transmit Ring –	56	8	

Table 1 Patch Panel Cable (72-1466-xx) (continued)

Cable Leg	25 Pin	Signal	Description	64 Pin	Twisted Pair
P4	1	Rx Tip +	Receive Tip +	25	1
	2	Tx Tip +	Transmit Tip +	26	2
	3	Rx Tip +	Receive Tip +	27	3
	4	Tx Tip +	Transmit Tip +	28	4
	5	Rx Tip +	Receive Tip +	29	5
	6	Tx Tip +	Transmit Tip +	30	6
	7	Rx Tip +	Receive Tip +	31	7
	8	Tx Tip +	Transmit Tip +	32	8
	14	Rx Ring –	Receive Ring –	57	1
	15	Tx Ring –	Transmit Ring –	58	2
	16	Rx Ring –	Receive Ring –	59	3
	17	Tx Ring –	Transmit Ring –	60	4
	18	Rx Ring –	Receive Ring –	61	5
	19	Tx Ring –	Transmit Ring –	62	6
	20	Rx Ring –	Receive Ring –	63	7
	21	Tx Ring –	Transmit Ring –	64	8

T1/E1 PRI Patch Panel-to-Cisco AS5300 with the Voice/Fax Feature CardPort Mapping

Table 2 shows the channel mapping in the connection between Cisco AS5300 VoIP Access Shelves 1 through 7 and patch panel 1. Note that port numbers 2 and 3 are not available on the Cisco AS5300 with the Voice/Fax Feature Card.

Table 2 Patch Panel/Cisco AS5300 VoIP Access Shelf Port Mapping, Patch Panel 1

Patch Panel 1 Circuit Number	Connects to Port Number	On Cisco AS5300 VoIP Access Shelf
1	PRI 0	FS01
2	PRI 1	
3	PRI 2 –	
4	PRI 3 –	
5	PRI 0	FS02
6	PRI 1	
7	PRI 2 –	
8	PRI 3 –	
9	PRI 0	FS03
10	PRI 1	
11	PRI 2 –	
12	PRI 3 –	

Table 2 Patch Panel/Cisco AS5300 VoIP Access Shelf Port Mapping, Patch Panel 1 (continued)

Patch Panel 1 Circuit Number	Connects to Port Number	On Cisco AS5300 VoIP Access Shelf
13	PRI 0	FS04
14	PRI 1	
15	PRI 2 –	
16	PRI 3 –	
17	PRI 0	FS05
18	PRI 1	
19	PRI 2 –	
20	PRI 3 –	
21	PRI 0	FS06
22	PRI 1	
23	PRI 2 –	
24	PRI 3 –	
25	PRI 0	FS07
26	PRI 1	
27	PRI 2 –	
28	PRI 3 –	

Table 3 shows the channel mapping in the connection between Access VoIP Shelves 8 through 14 and patch panel 2. Again, note that ports numbers 2 and 3 are not available on the Cisco AS5300 with the Voice/Fax Feature Card.

Table 3 Patch Panel/Cisco AS5300 VoIP Access Shelf Port Mapping, Patch Panel 2

Patch Panel 2 Circuit Number	Connects to Port Number	On Cisco AS5300 VoIP Access Shelf
1	PRI 0	FS08
2	PRI 1	
3	PRI 2 –	
4	PRI 3 –	
5	PRI 0	FS09
6	PRI 1	
7	PRI 2 –	
8	PRI 3 –	
9	PRI 0	FS10
10	PRI 1	
11	PRI 2 –	
12	PRI 3 –	

Table 3 Patch Panel/Cisco AS5300 VoIP Access Shelf Port Mapping, Patch Panel 2 (continued)

Patch Panel 2 Circuit Number	Connects to Port Number	On Cisco AS5300 VoIP Access Shelf
13	PRI 0	FS11
14	PRI 1	
15	PRI 2 –	
16	PRI 3 –	
17	PRI 0	FS12
18	PRI 1	
19	PRI 2 –	
20	PRI 3 –	
21	PRI 0	FS13
22	PRI 1	
23	PRI 2 –	
24	PRI 3 –	
25	PRI 0	FS14
26	PRI 1	
27	PRI 2 –	
28	PRI 3 –	

Table 4 shows the channel mapping in the connection between Access VoIP Shelves 15 through 21 and patch panel 1 in the secondary cabinet for High-End Extended configurations only.

Table 4 Patch Panel/Cisco AS5300 VoIP Access Shelf Port Mapping (High-End Extended Configuration)

Patch Panel 1 Circuit Number	Connects to Port Number	On Cisco AS5300 Access VoIP Shelf
1	PRI 0	FS15
2	PRI 1	
3	PRI 2 –	
4	PRI 3 –	
5	PRI 0	FS16
6	PRI 1	
7	PRI 2 –	
8	PRI 3 –	
9	PRI 0	FS17
10	PRI 1	
11	PRI 2 –	
12	PRI 3 –	

Table 4 Patch Panel/Cisco AS5300 VoIP Access Shelf Port Mapping (High-End Extended Configuration) (continued)

13	PRI 0	FS18
14	PRI 1	
15	PRI 2 –	
16	PRI 3 –	
17	PRI 0	FS19
18	PRI 1	
19	PRI 2 –	
20	PRI 3 –	
21	PRI 0	FS20
22	PRI 1	
23	PRI 2 –	
24	PRI 3 –	
25	PRI 0	FS21
26	PRI 1	
27	PRI 2 –	
28	PRI 3 –	

Cisco AS5300 Access VoIP Shelf Cable Assemblies and Pinouts

Each Cisco AS5300 Access VoIP Shelf comes from the factory with the following:

- Console cable preconnected (through the signal harness) to the console port on the Cisco 3640 System Controller for out-of-band management.
- Fast Ethernet 100BaseT and Ethernet 10BaseT preconnected through the signal harness to the Cisco Catalyst 5002 Switch Shelf or the Cisco 7206 Router Shelf’s switch module.
- T1/E1 PRI preconnected (through the signal harness) to the patch panels.

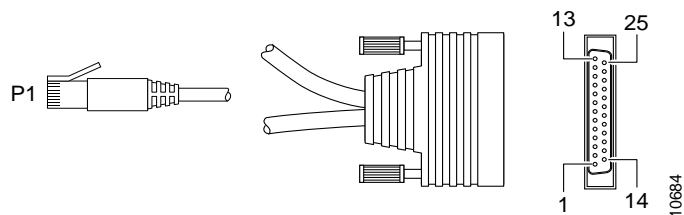
The Cisco AS5300 Access VoIP Shelf cable assemblies and pinouts include the following:

- 72-1463-xx—25-pin-to-three-RJ-45 connectors for console and Ethernet connections. See the “Console/Ethernet Cable Assemblies and Pinouts” section on page 8.
- 72-1464-xx—36-pin-to-four-RJ-45 connectors for T1/E1 PRI connections. See the “T1/E1 PRI Cable Assemblies and Pinouts” section on page 9.

Console/Ethernet Cable Assemblies and Pinouts

The Access VoIP Shelf’s Console/Ethernet cable (Figure 3) connects from the Console port, the Fast Ethernet (10 BaseT/100 BaseT), and Ethernet (10 BaseT) ports on the Cisco AS5300 Access VoIP Shelves to the even numbered connectors, from J14 through J40, on the signal harness.

The Access VoIP Shelf Console/Ethernet Cable allows the Cisco 3640 System Controller to make a console connection to the Access VoIP Shelf for management and provides redundant data paths to the Cisco Catalyst 5002 Switch Shelf and the Cisco Ethernet switching port adapter on the Cisco 7206 Router Shelf. (See Figure 3 and Table 5.)

Figure 3 Access VoIP Shelf Console/Ethernet Cable (72-1463-xx)**Table 5 Access VoIP Shelf Console/Ethernet Cable (72-1463-xx)**

RJ-45 Plug	Shelf Connection	RJ-45 Pin	Twisted Pair	Signal	Description	25-Pin
1 (Light blue)	Console	1	4	–	–	–
		2		CON DSR	Console Data Set Ready	8
		3	3	CON Rx	Console Receive	6
		4		CON Rx_GND	Console Receive Ground	19
		5	2	CON Tx_GND	Console Transmit Ground	20
		6		CON Tx	Console Transmit	7
		7	1	CON DTR	Console Data Terminal Ready	21
		8		–	–	–
2 (Yellow)	10/100BaseT	1	2	ETH-1 Tx+	Ethernet Transmit +	1
		2		ETH-1 Tx–	Ethernet Transmit –	14
		3	1	ETH-1 Rx+	Ethernet Receive +	3
		6		ETH-1 Rx–	Ethernet Receive –	16
3 (Yellow)	10BaseT	1	2	ETH-2 Tx+	Ethernet Transmit +	25
		2		ETH-2 Tx–	Ethernet Transmit –	13
		3	1	ETH-2 Rx+	Ethernet Receive +	23
		6		ETH-2 Rx–	Ethernet Receive –	11

T1/E1 PRI Cable Assemblies and Pinouts

The Access VoIP Shelf's T1/E1 PRI cable (Figure 3) connects from the T1/E1 PRI ports on the Cisco AS5300 Access VoIP Shelves to the odd numbered connectors, from J13 through J39, on the signal harness. This cable allows the Cisco AS5300 Access VoIP Shelves to receive calls from the patch panels. (See Figure 4 and Table 6.)

Figure 4 Access VoIP Shelf T1/E1 PRI Cable (72-1464-xx)

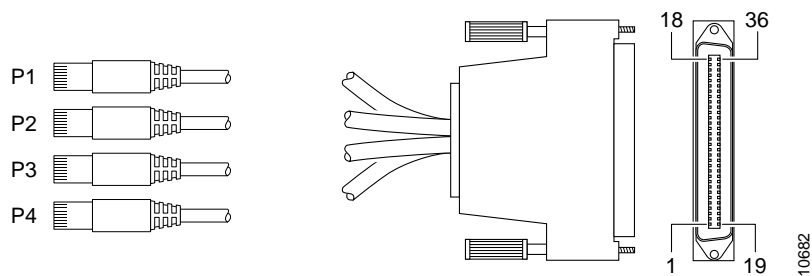


Table 6 Access VoIP Shelf T1/E1 PRI Cable (72-1464-xx)

RJ-45 Plug	Shelf Connection	RJ-45 Pin	Twisted Pair	Signal	Description	36 Pin
1 (Tan)	PRI 0	1	2	T1-1 Rx-	T1/E1 PRI Receive -	20
		2		T1-1 Rx+	T1/E1 PRI Receive +	2
		4	1	T1-1 Tx-	T1/E1 PRI Transmit -	21
		5		T1-1 Tx+	T1/E1 PRI Transmit +	3
2 (Tan)	PRI 1	1	2	T1-2 Rx-	T1/E1 PRI Receive -	22
		2		T1-2 Rx+	T1/E1 PRI Receive +	4
		4	1	T1-2 Tx-	T1/E1 PRI Transmit -	23
		5		T1-2 Tx+	T1/E1 PRI Transmit +	5
3 (Tan)	PRI 2	1	2	T1-3 Rx-	T1/E1 PRI Receive -	24
		2		T1-3 Rx+	T1/E1 PRI Receive +	6
		4	1	T1-3 Tx-	T1/E1 PRI Transmit -	25
		5		T1-3 Tx+	T1/E1 PRI Transmit +	7
4 (Tan)	PRI 3	1	2	T1-4 Rx-	T1/E1 PRI Receive -	26
		2		T1-4 Rx+	T1/E1 PRI Receive +	8
		4	1	T1-4 Tx-	T1/E1 PRI Transmit -	27
		5		T1-4 Tx+	T1/E1 PRI Transmit +	9

Router Shelf Cable Assemblies and Pinouts

The following sections describe cable assemblies and pinouts for the Cisco 7206 Router Shelf.

100BaseTX Adapters (Dual Router Shelf Configurations Only)

Each of the Cisco 7206 Router Shelves in a dual Router Shelf configuration uses a Model BL-6000 MII-to-MII Crossover IEEE 802.3u Adapter to connect from its Fast Ethernet MII port in slot 0 to the corresponding port on the other Router Shelf.

The female MII connector on the Cisco 7206 Router Shelves is in an idle state, compliant to IEEE 802.3u, until cables are attached.

The Router Shelf software configuration must contain the following lines:

```
interface FastEthernet0/0
!
full-duplex
no keepalive
```

The inclusion of these lines stops the Router Shelf from sending out packets which it expects to see returned. Otherwise it will shut down the line.

These transceivers should have been installed before the Cisco AccessPath-VS3 system was shipped.

The adapters have 4 diagnostic lights. For information on the diagnostic lights, see Table 7.

Table 7 Model BL6000 10BaseTX Adapter Diagnostic Lights

Light	Function
Link/Activity (Green)	Indicates that the adapter is connected to the Router Shelf, that the circuit between the 2 Cisco 7206 Router Shelves is complete, and that data is being received.
Power (Green)	This light will be on continuously while power is being supplied to the transceiver from the MII receptacle on the Router Shelf.

The adapters use the pinouts required by the Router Shelf MII receptacle. For information on these pinouts, refer to the *Cisco 7206 Installation and Configuration Guide*.

Ethernet Switching Cable Assemblies and Pinouts

The Cisco 7206 Router Shelf’s Ethernet switching cables (Figure 5) connect from the Ethernet ports on the Cisco Ethernet switching port adapter as follows:

For all configurations—72-1462-xx connects from the Cisco Ethernet switching port adapter to J46 (for Cisco 7206 Router Shelf 1) or J42 (for Cisco 7206 Router Shelf 2) on the signal harness. This cable allows the Cisco 7206 Router Shelves to provide failover switching if the Cisco Catalyst 5002 Switch Shelf stops functioning. (See Figure 5 and Table 8.)

Figure 5 Cisco 7206 Router Shelf Ethernet Switching Cables (72-1462-xx and 72-1487-xx)

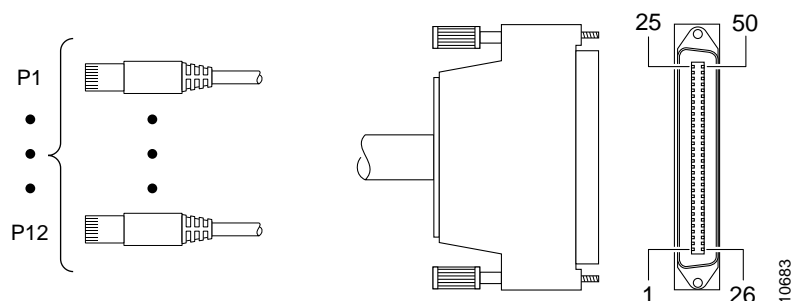


Table 8 Cisco 7206 Router Shelf Ethernet Switching Cables (72-1462-xx and 72-1487-xx)

RJ-45 Plug	Shelf Connection	RJ-45 Pin	Twisted Pair	Signal	Description	50 Pin
1 (Yellow)	Port 1	1	2	Tx+	Transmit +	1
		2	2	Tx-	Transmit -	26
		3	1	Rx+	Receive +	2
		6	1	Rx-	Receive -	27
2 (Yellow)	Port 2	1	2	Tx+	Transmit +	3
		2	2	Tx-	Transmit -	28
		3	1	Rx+	Receive +	4
		6	1	Rx-	Receive -	29
3 (Yellow)	Port 3	1	2	Tx+	Transmit +	5
		2	2	Tx-	Transmit -	30
		3	1	Rx+	Receive +	6
		6	1	Rx-	Receive -	31
4 (Yellow)	Port 4	1	2	Tx+	Transmit +	7
		2	2	Tx-	Transmit -	32
		3	1	Rx+	Receive +	8
		6	1	Rx-	Receive -	33
5 (Yellow)	Port 5	1	2	Tx+	Transmit +	9
		2	2	Tx-	Transmit -	34
		3	1	Rx+	Receive +	10
		6	1	Rx-	Receive -	35

Table 8 Cisco 7206 Router Shelf Ethernet Switching Cables (72-1462-xx and 72-1487-xx) (continued)

RJ-45 Plug	Shelf Connection	RJ-45 Pin	Twisted Pair	Signal	Description	50 Pin
6 (Yellow)	Port 6	1	2	Tx+	Transmit +	11
		2	2	Tx-	Transmit -	36
		3	1	Rx+	Receive +	12
		6	1	Rx-	Receive -	37
7 (Yellow)	Port 7	1	2	Tx+	Transmit +	13
		2	2	Tx-	Transmit -	38
		3	1	Rx+	Receive +	14
		6	1	Rx-	Receive -	39
8 (Yellow)	Port 8	1	2	Tx+	Transmit +	15
		2	2	Tx-	Transmit -	40
		3	1	Rx+	Receive +	16
		6	1	Rx-	Receive -	41
9 (Yellow)	Port 9	1	2	Tx+	Transmit +	17
		2	2	Tx-	Transmit -	42
		3	1	Rx+	Receive +	18
		6	1	Rx-	Receive -	43
10 (Yellow)	Port 10	1	2	Tx+	Transmit +	19
		2	2	Tx-	Transmit -	44
		3	1	Rx+	Receive +	20
		6	1	Rx-	Receive -	45
11 (Yellow)	Port 11	1	2	Tx+	Transmit +	21
		2	2	Tx-	Transmit -	46
		3	1	Rx+	Receive +	22
		6	1	Rx-	Receive -	47
12 (Yellow)	Port 12	1	2	Tx+	Transmit +	23
		2	2	Tx-	Transmit -	48
		3	1	Rx+	Receive +	24
		6	1	Rx-	Receive -	49

Console/Ethernet Cable Assemblies and Pinouts

The Cisco 7206 Router Shelf’s Console/Ethernet cables (Figure 5) connect from console and Ethernet ports on the Cisco 7206 Router Shelf to J41 (for Cisco 7206 Router Shelf 2) and J44 (for Cisco 7206 Router Shelf 1).

This cable connects the Cisco 7206 Router Shelves to the Cisco 3640 System Controller for console management. (See Figure 6 and Table 9.)

Figure 6 Cisco 7206 Router Shelf Console/Ethernet Cables (72-1465-xx)

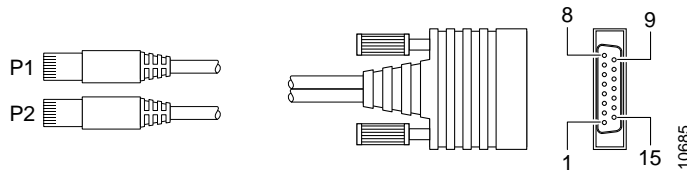


Table 9 Cisco 7206 Router Shelf Console/Ethernet Cables (72-1465-xx)

RJ-45 Plug	Shelf Connection	RJ-45Pin	Twisted Pair	Signal	Description	15 Pin
1 (Light blue)	Console	1	4	–	–	–
		2		CON DSR	Console Data Set Ready	15
		3	3	CON Rx	Console Receive	13
		4		CON Rx_GND	Console Receive Ground	6
		5	2	CON Tx_GND	Console Transmit Ground	7
		6		CON Tx	Console Transmit	14
		7	1	CON DTR	Console Data Terminal Ready	8
		8		–	–	–
2 (Yellow)	Ethernet	1	2	ETH Tx+	Transmit +	1
		2		ETH Tx–	Transmit –	9
		3	1	ETH Rx+	Receive +	3
		6		ETH Rx–	Receive –	11

Cisco 7206 Router Shelf Controller and Interconnect Cable Assemblies and Pinouts

The Cisco 7206 Router Shelf’s controller and interconnect cables (Figure 7 and Figure 8) connect the Cisco 7206 Router Shelves in to the other Cisco 7206 Router Shelf in dual Cisco 7206 Router Shelf configurations:

- 72-1489-xx—Allows a controller connection from the Cisco Ethernet switching port adapter (port 5/0) to the Cisco 7206 Router Shelf’s controller (port 0/0).
- 72-1490-xx—Connects Cisco Ethernet switching port adapter port 5/1 on Cisco 7206 Router Shelf 1 to Cisco Ethernet switching port adapter port 5/1 on Cisco 7206 Router Shelf 2.

These cables look the same but do not have the same pinouts.

- See Figure 7 for an illustration of the cables.
- See Figure 8 for an illustration of how the cables are connected to the Cisco 7206 Router Shelves.
- See Table 10 for pinout information on the controller cable (72-1489-xx).
- See Table 11 for pinout information on the interconnect cable (72-1490-xx).

Figure 7 Cisco 7206 Router Shelf Controller and Interconnect Cables (72-1489-xx and 72-1490-xx)



Figure 8 Cisco 7206 Router Shelves Showing Controller and Interconnect Cables

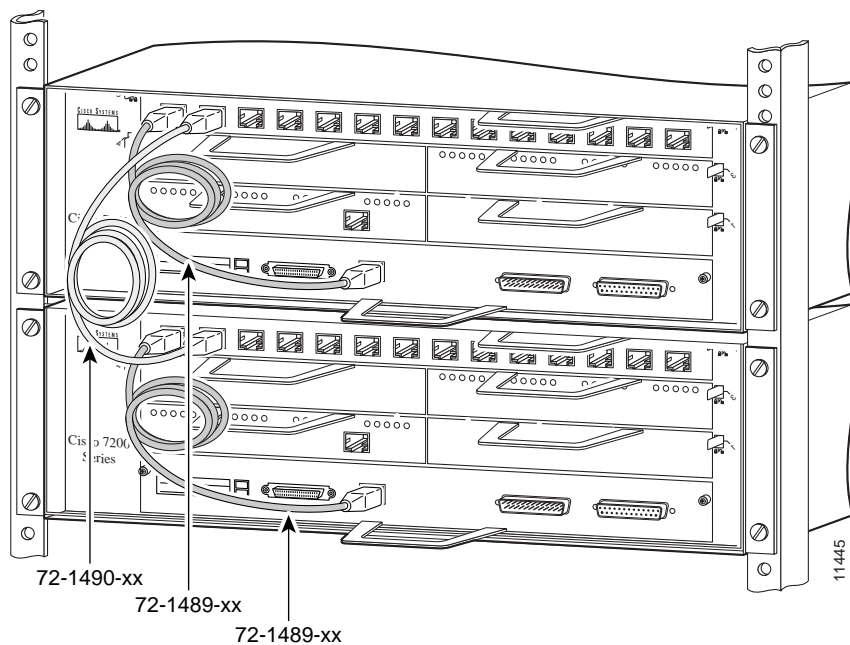


Table 10 Cisco 7206 Router Shelf Controller Cable (72-1489-xx)

Shelf Connection	RJ-45 Pin	RJ-45 Pin
RS 5/0 to RS 0/0	1	1
	2	2
	3	3
	4	4
	5	5
	6	6
	7	7
	8	8

Table 11 Cisco 7206 Router Shelf Interconnect Cable (72-1490-xx)

Shelf Connection	RJ-45 Pin	RJ-45 Pin
RS 5/1 on Cisco 7206 Router Shelf 1 to RS 5/1 on Cisco 7206 Router Shelf 2	1	3
	2	6
	3	1
	4	4
	5	5
	6	2
	7	7
	8	8

Cisco 3640 System Controller Cable Assemblies and Pinouts

The Cisco 3640 System Controller connects to the signal harness using 2 cable types. These cables are described in the following sections:

- Fast Ethernet Cable Assembly and Pinout
- Asynchronous Cable Assembly and Pinout

Fast Ethernet Cable Assembly and Pinout

The Cisco 3640 System Controller’s Fast Ethernet cable connects from the Fast Ethernet ports on the Cisco 3640 System Controller to J48 on the signal harness. (See Figure 9 and Table 12.)

Figure 9 Cisco 3640 System Controller Fast Ethernet Cable (72-1457-xx)

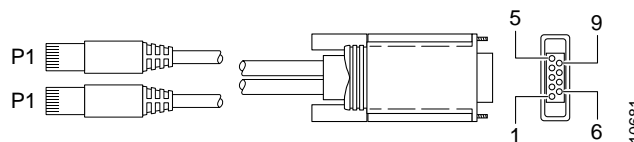


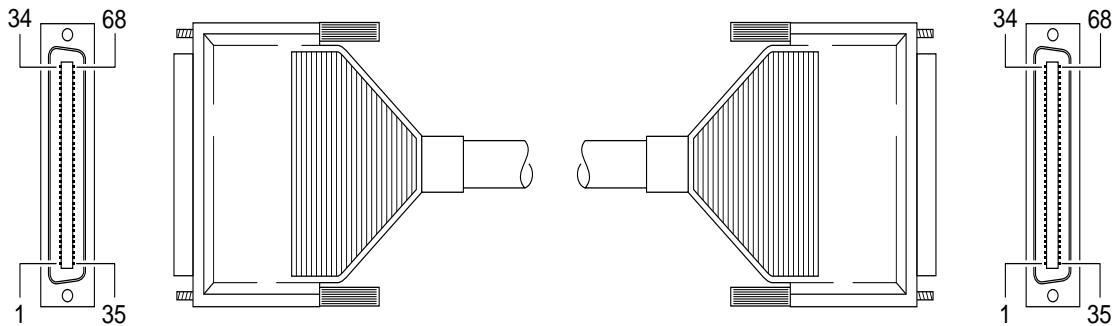
Table 12 Cisco 3640 System Controller Fast Ethernet Cables (72-1457-xx)

RJ-45 Plug	Shelf Connection	RJ-45 Pin	Twisted Pair	Signal	Description	9 Pin
1 (Yellow)	Fast Ethernet 1	1	2	ETH-1 Tx+	Transmit +	1
		2		ETH-1 Tx-	Transmit -	6
		3	1	ETH-1 Rx+	Receive +	2
		6		ETH-1 Rx-	Receive -	7
2 (Yellow)	Fast Ethernet 0	1	2	ETH-2 Tx+	Transmit +	5
		2		ETH-2 Tx-	Transmit -	9
		3	1	ETH-2 Rx+	Receive +	4
		6		ETH-2 Rx-	Receive -	8

Asynchronous Cable Assembly and Pinout

The Cisco 3640 System Controller's asynchronous cable connects from the asynchronous ports on the Cisco 3640 System Controller to ports J49 through J52 on the signal harness.

Figure 10 Cisco 3640 System Controller Asynchronous Cable (72-1461-xx)



11442

Table 13 Cisco 3640 System Controller Asynchronous Cable (72-1461-xx)

Connector Number	68 Pin SCSI	Signal	Description	Connector Number	68 Pin SCSI	Twisted Pair
1	1	–	–	2	1	1
	2	RTS	Request To Send		2	2
	3	TxD	Transmit Data		3	3
	4	Rx-GND	Receive Ground		4	4
	5	DSR	Data Set Ready		5	5
	6	RTS	Request To Send		6	6
	7	TxD	Transmit Data		7	7
	8	Rx-GND	Receive Ground		8	8
	9	DSR	Data Set Ready		9	9
	10	RTS	Request To Send		10	10
	11	TxD	Transmit Data		11	11
	12	Rx-GND	Receive Ground		12	12
	13	DSR	Data Set Ready		13	13
	14	RTS	Request To Send		14	14
	15	TxD	Transmit Data		15	15
	16	Rx-GND	Receive Ground		16	16
	17	DSR	Data Set Ready		17	17
	18	RTS	Request To Send		18	18
	19	TxD	Transmit Data		19	19
	20	Rx-GND	Receive Ground		20	20
	21	DSR	Data Set Ready		21	21
	22	RTS	Request To Send		22	22

Table 13 Cisco 3640 System Controller Asynchronous Cable (72-1461-xx) (continued)

Connector Number	68 Pin SCSI	Signal	Description	Connector Number	68 Pin SCSI	Twisted Pair
1	23	TxD	Transmit Data	2	23	23
	24	Rx-GND	Receive Ground		24	24
	25	DSR	Data Set Ready		25	25
	26	RTS	Request To Send		26	26
	27	TxD	Transmit Data		27	27
	28	Rx-GND	Receive Ground		28	28
	29	DSR	Data Set Ready		29	29
	30	RTS	Request To Send		30	30
	31	TxD	Transmit Data		31	31
	32	Rx-GND	Receive Ground		32	32
	33	DSR	Data Set Ready		33	33
	34	–	–		34	34
	35	–	–		35	1
	36	DTR	Data Terminal Ready		36	2
	37	Tx-GND	Transmit Ground		37	3
	38	RxD	Receive Data		38	4
	39	CTS	Clear To Send		39	5
	40	DTR	Data Terminal Ready		40	6
	41	Tx-GND	Transmit Ground		41	7
	42	RxD	Receive Data		42	8
	43	CTS	Clear To Send		43	9
	44	DTR	Data Terminal Ready		44	10
	45	Tx-GND	Transmit Ground		45	11
	46	RxD	Receive Data		46	12
	47	CTS	Clear To Send		47	13
	48	DTR	Data Terminal Ready		48	14
	49	Tx-GND	Transmit Ground		49	15
	50	RxD	Receive Data		50	16
	51	CTS	Clear To Send		51	17
	52	DTR	Data Terminal Ready		52	18
	53	Tx-GND	Transmit Ground		53	19
	54	RxD	Receive Data		54	20
	55	CTS	Clear To Send		55	21
	56	DTR	Data Terminal Ready		56	22
	57	Tx-GND	Transmit Ground		57	23
	58	RxD	Receive Data		58	24
	59	CTS	Clear To Send		59	25

Table 13 Cisco 3640 System Controller Asynchronous Cable (72-1461-xx) (continued)

Connector Number	68 Pin SCSI	Signal	Description	Connector Number	68 Pin SCSI	Twisted Pair
1	60	DTR	Data Terminal Ready	2	60	26
	61	Tx-GND	Transmit Ground		61	27
	62	RxD	Receive Data		62	28
	63	CTS	Clear To Send		63	29
	64	DTR	Data Terminal Ready		64	30
	65	Tx-GND	Transmit Ground		65	31
	66	RxD	Receive Data		66	32
	67	CTS	Clear To Send		67	33
	68	–	–		68	34

Cisco 3640 Gatekeeper Cable Assemblies and Pinouts

The Cisco 3640 Gatekeeper Cable connects to the signal harness with a three-legged cable (72-1646-xx) as shown in Figure 11. This cable connects the gatekeeper shelf connector Console 0 on the panel side and the gatekeeper shelf connectors Ethernet 0 and Ethernet 1 on the signal harness side as shown in Table 14.

Figure 11 Cisco 3640 Gatekeeper Cable Assemblies and Pinouts (72-1646-xx)

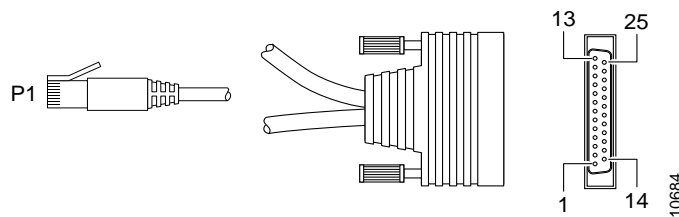


Table 14 Gatekeeper Shelf Signal Harness Connections for Various Cisco AccessPath-VS3 Configurations

Cisco AccessPath-VS3 configuration	Signal Harness Connector for Gatekeeper Shelf 1	Signal Harness Connector for Gatekeeper Shelf 2
Midrange	J20	J22
High End	J14	J16
High End Extended	J28	J30

Table 15 Cisco 3640 Gatekeeper Cable Assemblies and Pinouts (72-1646-xx)

RJ-45 Plug	Shelf Connection	RJ-45 Pin	Twisted Pair	Signal	Description	25-Pin
1 (Light blue)	Console	1	4	–	–	–
		2		CON DSR	Console Data Set Ready	8
		3	3	CON Rx	Console Receive	6
		4		CON Rx_GND	Console Receive Ground	19
		5	2	CON Tx_GND	Console Transmit Ground	20
		6		CON Tx	Console Transmit	7
		7	1	CON DTR	Console Data Terminal Ready	21
		8		–	–	–
2 (Yellow)	10/100BaseT	1	2	ETH-1 Tx+	Ethernet Transmit +	1
		2		ETH-1 Tx–	Ethernet Transmit –	14
		3	1	ETH-1 Rx+	Ethernet Receive +	3
		6		ETH-1 Rx–	Ethernet Receive –	16
3 (Yellow)	10BaseT	1	2	ETH-2 Tx+	Ethernet Transmit +	25
		2		ETH-2 Tx–	Ethernet Transmit –	13
		3	1	ETH-2 Rx+	Ethernet Receive +	23
		6		ETH-2 Rx–	Ethernet Receive –	11

Cisco Catalyst 5002 Switch Shelf Cable Assemblies and Pinouts

This section lists the pinouts for ports on the supervisor engine module of the Cisco Catalyst 5002 Switch Shelf. All pins not specifically listed are not connected. Following is a list of the signal summaries contained in this section:

- Ethernet Switching Cable Assemblies and Pinouts
- Console/Ethernet Cable Assemblies and Pinouts

Ethernet Switching Cable Assemblies and Pinouts

The Cisco Catalyst 5002 Switch Shelf's Ethernet switching cables (Figure 12) connect from the Fast Ethernet ports on the Cisco Catalyst 5002 Switch Shelf to J56 and J57 on the signal harness. These cables provide Ethernet switching connections to the Cisco AS5300 Access VoIP Shelves. (See Figure 12 and Table 16.)

Figure 12 Cisco Catalyst 5002 Switch Shelf Ethernet Switching Cables (72-1462-xx)

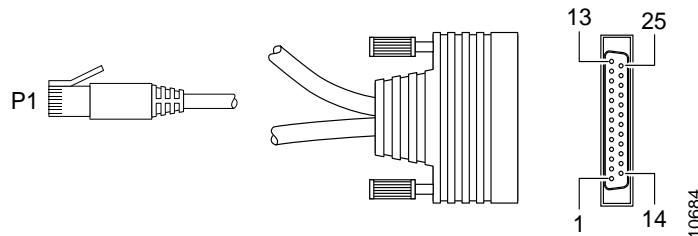


Table 16 Cisco Catalyst 5002 Switch Shelf Ethernet Switching Cables (72-1462-xx)

RJ-45 Plug	Shelf Connection	RJ-45 Pin	Twisted Pair	Signal	Description	50 Pin
1 (Yellow)	Port 1	1	2	Tx+	Transmit +	1
		2	2	Tx-	Transmit -	26
		3	1	Rx+	Receive +	2
		6	1	Rx-	Receive -	27
2 (Yellow)	Port 2	1	2	Tx+	Transmit +	3
		2	2	Tx-	Transmit -	28
		3	1	Rx+	Receive +	4
		6	1	Rx-	Receive -	29
3 (Yellow)	Port 3	1	2	Tx+	Transmit +	5
		2	2	Tx-	Transmit -	30
		3	1	Rx+	Receive +	6
		6	1	Rx-	Receive -	31
4 (Yellow)	Port 4	1	2	Tx+	Transmit +	7
		2	2	Tx-	Transmit -	32
		3	1	Rx+	Receive +	8
		6	1	Rx-	Receive -	33
5 (Yellow)	Port 5	1	2	Tx+	Transmit +	9
		2	2	Tx-	Transmit -	34
		3	1	Rx+	Receive +	10
		6	1	Rx-	Receive -	35

Table 16 Cisco Catalyst 5002 Switch Shelf Ethernet Switching Cables (72-1462-xx) (continued)

RJ-45 Plug	Shelf Connection	RJ-45		Signal	Description	50 Pin
		Pin	Twisted Pair			
6 (Yellow)	Port 6	1	2	Tx+	Transmit +	11
		2	2	Tx-	Transmit -	36
		3	1	Rx+	Receive +	12
		6	1	Rx-	Receive -	37
7 (Yellow)	Port 7	1	2	Tx+	Transmit +	13
		2	2	Tx-	Transmit -	38
		3	1	Rx+	Receive +	14
		6	1	Rx-	Receive -	39
8 (Yellow)	Port 8	1	2	Tx+	Transmit +	15
		2	2	Tx-	Transmit -	40
		3	1	Rx+	Receive +	16
		6	1	Rx-	Receive -	41
9 (Yellow)	Port 9	1	2	Tx+	Transmit +	17
		2	2	Tx-	Transmit -	42
		3	1	Rx+	Receive +	18
		6	1	Rx-	Receive -	43
10 (Yellow)	Port 10	1	2	Tx+	Transmit +	19
		2	2	Tx-	Transmit -	44
		3	1	Rx+	Receive +	20
		6	1	Rx-	Receive -	45
11 (Yellow)	Port 11	1	2	Tx+	Transmit +	21
		2	2	Tx-	Transmit -	46
		3	1	Rx+	Receive +	22
		6	1	Rx-	Receive -	47
12 (Yellow)	Port 12	1	2	Tx+	Transmit +	23
		2	2	Tx-	Transmit -	48
		3	1	Rx+	Receive +	24
		6	1	Rx-	Receive -	49

Console/Ethernet Cable Assemblies and Pinouts

The Cisco Catalyst 5002 Switch Shelf's Console/Ethernet cables (Figure 13) connect from console and Fast Ethernet ports on the Cisco Catalyst 5002 Switch Shelf's Supervisor Module to J55 on the signal harness.

This cable connects the Cisco Catalyst 5002 Switch Shelf to the Cisco 3640 System Controller for console management. (See Figure 13 and Table 17.)

Figure 13 Cisco Catalyst 5002 Switch Shelf Console/Ethernet Cable (72-1486-xx)

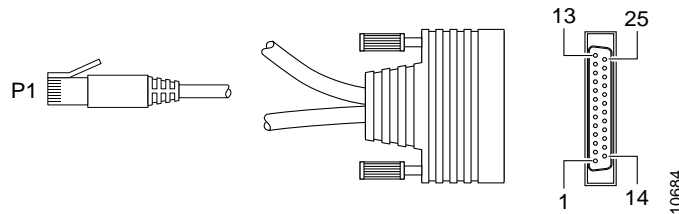


Table 17 Cisco Catalyst 5002 Switch Shelf Console/Ethernet Cable (72-1486-xx)

RJ-45 Plug	Shelf Connection	RJ-45 Pin	Twisted Pair	Signal	Description	25-Pin
1 (Light blue)	Console	1	4	Unused	–	–
		2		CON DSR	Console Data Set Ready	8
		3	3	CON Rx	Console Receive	6
		4		CON Rx_GND	Console Receive Ground	19
		5	2	CON Tx_GND	Console Transmit Ground	20
		6		CON Tx	Console Transmit	7
		7	1	CON DTR	Console Data Terminal Ready	21
		8		Unused	–	–
2 (Yellow)	Fast Ethernet 1	1	2	ETH-1 Tx+	Ethernet Transmit +	1
		2		ETH-1 Tx–	Ethernet Transmit –	14
		3	1	ETH-1 Rx+	Ethernet Receive +	3
		6		ETH-1 Rx–	Ethernet Receive –	16
3 (Yellow)	Fast Ethernet 2	1	2	ETH-1 Tx+	Ethernet Transmit +	25
		2		ETH-1 Tx–	Ethernet Transmit –	13
		3	1	ETH-1 Rx+	Ethernet Receive +	23
		6		ETH-1 Rx–	Ethernet Receive –	11

Cabinet Interconnect Cable Assemblies and Pinouts

The cabinet interconnect cables are used to scale beyond 14 Cisco AS5300 Access VoIP Shelves. The primary cabinet contains the first 14 Cisco AS5300 Access VoIP Shelves, the 2 Cisco 7206 Router Shelves, the Cisco Catalyst 5002 Switch Shelf, and the Cisco 3640 System Controller. The secondary cabinet contains Cisco AS5300 Access VoIP Shelves 15 through 21.

These cables all connect from 1 signal harness to another to allow data communications between the cabinets.

There are 3 types of expansion cables, which are described in the following sections:

- Asynchronous Cable Assembly and Pinout
- Ethernet Cable Assemblies and Pinouts

Asynchronous Cable Assembly and Pinout

2 cabinet interconnect asynchronous cables (72-1460-xx) are used to connect the following:

- The primary cabinet’s J53 port to the secondary cabinet’s J49 port
- The primary cabinet’s J54 port to the secondary cabinet’s J50 port

(See Figure 14 and Table 18.)

Figure 14 Cabinet Interconnect Asynchronous Cable (72-1460-xx)

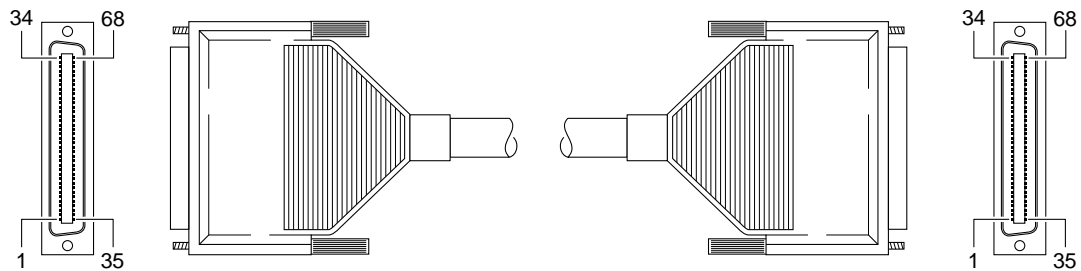


Table 18 Cabinet Interconnect Asynchronous Cable (72-1460-xx)

Jack Number	68 Pin SCSI	Signal	Description	Jack Number	68 Pin SCSI	Twisted Pair
1	1	–	–	2	1	1
	2	RTS	Request To Send		2	2
	3	TxD	Transmit Data		3	3
	4	Rx-GND	Receive Ground		4	4
	5	DSR	Data Set Ready		5	5
	6	RTS	Request To Send		6	6
	7	TxD	Transmit Data		7	7
	8	Rx-GND	Receive Ground		8	8
	9	DSR	Data Set Ready		9	9
	10	RTS	Request To Send		10	10

Table 18 Cabinet Interconnect Asynchronous Cable (72-1460-xx) (continued)

Jack Number	68 Pin SCSI	Signal	Description	Jack Number	68 Pin SCSI	Twisted Pair
1	11	TxD	Transmit Data	2	11	11
	12	Rx-GND	Receive Ground		12	12
	13	DSR	Data Set Ready		13	13
	14	RTS	Request To Send		14	14
	15	TxD	Transmit Data		15	15
	16	Rx-GND	Receive Ground		16	16
	17	DSR	Data Set Ready		17	17
	18	RTS	Request To Send		18	18
	19	TxD	Transmit Data		19	19
	20	Rx-GND	Receive Ground		20	20
	21	DSR	Data Set Ready		21	21
	22	RTS	Request To Send		22	22
	23	TxD	Transmit Data		23	23
	24	Rx-GND	Receive Ground		24	24
	25	DSR	Data Set Ready		25	25
	26	RTS	Request To Send		26	26
	27	TxD	Transmit Data		27	27
	28	Rx-GND	Receive Ground		28	28
	29	DSR	Data Set Ready		29	29
	30	RTS	Request To Send		30	30
	31	TxD	Transmit Data		31	31
	32	Rx-GND	Receive Ground		32	32
	33	DSR	Data Set Ready		33	33
	34	–	–		34	34
	35	–	–		35	1
	36	DTR	Data Terminal Ready		36	2
	37	Tx-GND	Transmit Ground		37	3
	38	RxD	Receive Data		38	4
	39	CTS	Clear To Send		39	5
	40	DTR	Data Terminal Ready		40	6
	41	Tx-GND	Transmit Ground		41	7
	42	RxD	Receive Data		42	8
	43	CTS	Clear To Send		43	9
	44	DTR	Data Terminal Ready		44	10
	45	Tx-GND	Transmit Ground		45	11
	46	RxD	Receive Data		46	12
	47	CTS	Clear To Send		47	13

Table 18 Cabinet Interconnect Asynchronous Cable (72-1460-xx) (continued)

Jack Number	68 Pin SCSI	Signal	Description	Jack Number	68 Pin SCSI	Twisted Pair
1	48	DTR	Data Terminal Ready	2	48	14
	49	Tx-GND	Transmit Ground		49	15
	50	RxD	Receive Data		50	16
	51	CTS	Clear To Send		51	17
	52	DTR	Data Terminal Ready		52	18
	53	Tx-GND	Transmit Ground		53	19
	54	RxD	Receive Data		54	20
	55	CTS	Clear To Send		55	21
	56	DTR	Data Terminal Ready		56	22
	57	Tx-GND	Transmit Ground		57	23
	58	RxD	Receive Data		58	24
	59	CTS	Clear To Send		59	25
	60	DTR	Data Terminal Ready		60	26
	61	Tx-GND	Transmit Ground		61	27
	62	RxD	Receive Data		62	28
	63	CTS	Clear To Send		63	29
	64	DTR	Data Terminal Ready		64	30
	65	Tx-GND	Transmit Ground		65	31
	66	RxD	Receive Data		66	32
	67	CTS	Clear To Send		67	33
	68	–	–		68	34

Ethernet Cable Assemblies and Pinouts

There are 2 types of cabinet interconnect Ethernet cables:

- 72-1458-xx—The DB-9-to-DB-25 10BaseT cable connects from J47 on the primary cabinet to J45 on the secondary cabinet. It provides an Ethernet connection for console management. (See Figure 15 and Table 19.)
- 72-1459-xx—This 50-Pin-to-50-pin 10/100BaseT cable) connects as follows:
 - From J43 on the primary cabinet to J46 on the secondary cabinet
 - From J58 on the primary cabinet to J56 on the secondary cabinet
 (See Figure 16 and Table 19.)

Ethernet Cable

The 10BaseT cable connects the cabinet to provide an Ethernet connection for console management. (See Figure 15 and Table 19.)

Figure 15 Cabinet Interconnect Ethernet Cable (72-1458-xx)

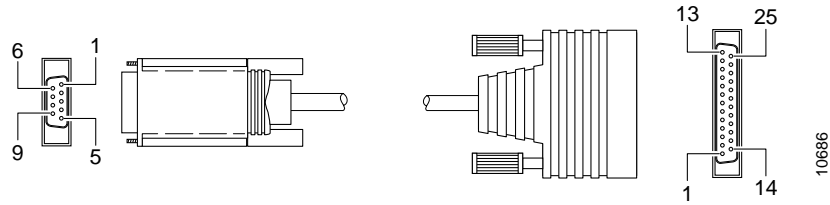


Table 19 Cabinet Interconnect Ethernet Cable (72-1458-xx)

9 Pin	Twisted Pair	Signal	Description	25 Pin
1	1	ME-5 Tx+	Transmit +	1
2		ME-5 Rx+	Receive +	2
4	2	ME-6 Rx+	Receive +	4
5		ME-6 Tx+	Transmit +	3
6	3	ME-5 Tx-	Transmit -	14
7		ME-5 Rx-	Receive -	15
8	4	ME-6 Rx-	Receive -	17
9		ME-6 Tx-	Transmit -	16

Fast Ethernet Cable

The 100/10BaseT cable for cabinet interconnect provides Fast Ethernet and Ethernet connectivity to transmit data from the Cisco AS5300 Access VoIP Shelves in the expansion cabinet to the Cisco Catalyst 5002 Switch Shelf and Cisco 7206 Router Shelves in the primary cabinet. (See Figure 16 and Table 20.)

Figure 16 Cabinet Interconnect Fast Ethernet Cable (72-1459-xx)

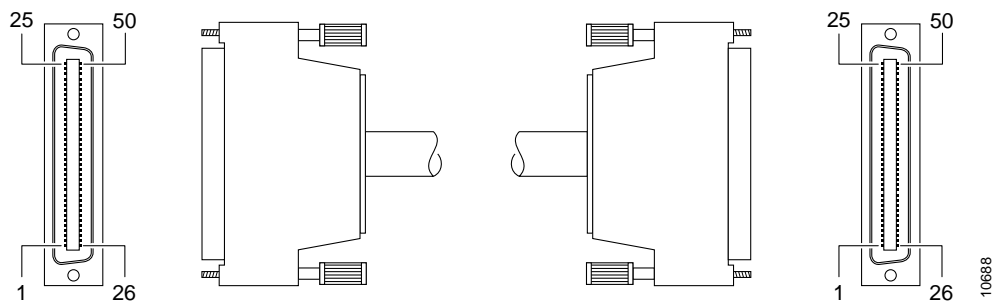


Table 20 Cabinet Interconnect Fast Ethernet Cable (72-1459-xx)

Jack Number	50 Pin	Signal	Description	Jack Number	50 Pin	Twisted Pair
1	1	Tx+	Transmit +	2	1	1
	2	Rx+	Receive +		2	2
	3	Tx+	Transmit +		3	3
	4	Rx+	Receive +		4	4
	5	Tx+	Transmit +		5	5
	6	Rx+	Receive +		6	6
	7	Tx+	Transmit +		7	7
	8	Rx+	Receive +		8	8
	9	Tx+	Transmit +		9	9
	10	Rx+	Receive +		10	10
	11	Tx+	Transmit +		11	11
	12	Rx+	Receive +		12	12
	13	Tx+	Transmit +		13	13
	14	Rx+	Receive +		14	14
	15	Tx+	Transmit +		15	15
	16	Rx+	Receive +		16	16
	17	Tx+	Transmit +		17	17
	18	Rx+	Receive +		18	18
	19	-	-		19	19
	20	-	-		20	20
	21	-	-		21	21
	22	-	-		22	22
	23	-	-		23	23

Table 20 Cabinet Interconnect Fast Ethernet Cable (72-1459-xx) (continued)

Jack Number	50 Pin	Signal	Description	Jack Number	50 Pin	Twisted Pair
1	24	–	–	2	24	24
	25	–	–		25	25
	26	Tx–	Transmit –		26	1
	27	Rx–	Receive –		27	2
	28	Tx–	Transmit –		28	3
	29	Rx–	Receive –		29	4
	30	Tx–	Transmit –		30	5
	31	Rx–	Receive –		31	6
	32	Tx–	Transmit –		32	7
	33	Rx–	Receive –		33	8
	34	Tx–	Transmit –		34	9
	35	Rx–	Receive –		35	10
	36	Tx–	Transmit –		36	11
	37	Rx–	Receive –		37	12
	38	Tx–	Transmit –		38	13
	39	Rx–	Receive –		39	14
	40	Tx–	Transmit –		40	15
	41	Rx–	Receive –		41	16
	42	Tx–	Transmit –		42	17
	43	Rx–	Receive –		43	18
	44	–	–		44	19
	45	–	–		45	20
	46	–	–		46	21
	47	–	–		47	22
	48	–	–		48	23
	49	–	–		49	24
	50	–	–		50	25

System Port Mapping

The following tables describe the port mapping for the entire Cisco AccessPath-VS3 system.

This mapping describes the connections between ports that are normally hidden by the cables within the signal harness. Use these tables for troubleshooting or for making connections between the appropriate ports without using the signal harness.

- See Table 21 for the Cisco 7206 Router Shelf.
- See Table 22 for the Cisco Catalyst 5002 Switch Shelf.
- See Table 23 for the Cisco 3640 System Controller.

Table 21 Cisco 7206 Router Shelf Port Mapping—All Configurations

From Shelf	Port	To Shelf	Port
Cisco 7206 Router Shelf 1	Fast Ethernet 5/0	Cisco 7206 Router Shelf 1	Fast Ethernet 0/0
	Fast Ethernet 5/1	Cisco 7206 Router Shelf 2	Fast Ethernet 5/1
	Ethernet 5/2	Cisco 3640 System Controller	Ethernet 1/0
	Ethernet 5/3	Cisco AS5300 Access VoIP Shelf 1	Ethernet 0
	Ethernet 5/4	Cisco AS5300 Access VoIP Shelf 2	
	Ethernet 5/5	Cisco AS5300 Access VoIP Shelf 3	
	Ethernet 5/6	Cisco AS5300 Access VoIP Shelf 4	
	Ethernet 5/7	Cisco AS5300 Access VoIP Shelf 5	
	Ethernet 5/8	Cisco AS5300 Access VoIP Shelf 6	
	Ethernet 5/9	Cisco AS5300 Access VoIP Shelf 7	
	Ethernet 5/10	Cisco AS5300 Access VoIP Shelf 8	
	Ethernet 5/11	Cisco AS5300 Access VoIP Shelf 9	
	Ethernet 5/12	Cisco AS5300 Access VoIP Shelf 10/ Cisco 3640 Gatekeeper Shelf 2	Ethernet O/ Ethernet 1/1
	Ethernet 5/13	Cisco AS5300 Access VoIP Shelf 11/ Cisco 3640 Gatekeeper Shelf 1	Ethernet O/ Ethernet 1/1
Fast Ethernet 1/0	Cisco Catalyst 5002 Switch Shelf	Port 1/1	
Cisco 7206 Router Shelf 2	Fast Ethernet 5/0	Cisco 7206 Router Shelf 2	Fast Ethernet 0/0
	Fast Ethernet 5/1	Cisco 7206 Router Shelf 1	Fast Ethernet 5/1
	Ethernet 5/2	Cisco AS5300 Access VoIP Shelf 12	Ethernet 0
	Ethernet 5/3	Cisco AS5300 Access VoIP Shelf 13	
	Ethernet 5/4	Cisco AS5300 Access VoIP Shelf 14	
	Ethernet 5/5	Cisco AS5300 Access VoIP Shelf 15	
	Ethernet 5/6	Cisco AS5300 Access VoIP Shelf 16	
	Ethernet 5/7	Cisco AS5300 Access VoIP Shelf 17	
	Ethernet 5/8	Cisco AS5300 Access VoIP Shelf 18	
	Ethernet 5/9	Cisco AS5300 Access VoIP Shelf 19	
	Ethernet 5/10	Cisco AS5300 Access VoIP Shelf 20/ Cisco 3640 Gatekeeper Shelf 2	Ethernet O/ Ethernet 1/1
	Ethernet 5/11	Cisco AS5300 Access VoIP Shelf 21/ Cisco 3640 Gatekeeper Shelf 1	Ethernet O/ Ethernet 1/1
	Fast Ethernet 1/0	Cisco Catalyst 5002 Switch Shelf	Port 1/2

Table 22 Cisco Catalyst 5002 Switch Shelf Port Mapping—All Configurations

From Shelf	Port	To Shelf	Port
Cisco Catalyst 5002 Switch Shelf	Port 1/1	Cisco 7206 Router Shelf 1	Fast Ethernet 1/0
	Port 1/2	Cisco 7206 Router Shelf 2	
	Port 2/1	Cisco 3640 System Controller	Ethernet 1/1
	Port 2/2	Cisco AS5300 Access VoIP Shelf 1	Fast Ethernet 0
	Port 2/3	Cisco AS5300 Access VoIP Shelf 2	
	Port 2/4	Cisco AS5300 Access VoIP Shelf 3	
	Port 2/5	Cisco AS5300 Access VoIP Shelf 4	
	Port 2/6	Cisco AS5300 Access VoIP Shelf 5	
	Port 2/7	Cisco AS5300 Access VoIP Shelf 6	
	Port 2/8	Cisco AS5300 Access VoIP Shelf 7	
	Port 2/9	Cisco AS5300 Access VoIP Shelf 8	
	Port 2/10	Cisco AS5300 Access VoIP Shelf 9	
	Port 2/11	Cisco AS5300 Access VoIP Shelf 10/ Cisco 3640 Gatekeeper Shelf 2	Fast Ethernet 0/ Ethernet 1/0
	Port 2/12	Cisco AS5300 Access VoIP Shelf 11/ Cisco 3640 Gatekeeper Shelf 1	Fast Ethernet 0/ Ethernet 1/0
	Port 2/13	Cisco AS5300 Access VoIP Shelf 12	
	Port 2/14	Cisco AS5300 Access VoIP Shelf 13/ Cisco 3640 Gatekeeper Shelf 2	Fast Ethernet 0/ Ethernet 1/0
	Port 2/15	Cisco AS5300 Access VoIP Shelf 14/ Cisco 3640 Gatekeeper Shelf 1	Fast Ethernet 0/ Ethernet 1/0
	Port 2/16	Cisco AS5300 Access VoIP Shelf 15	
	Port 2/17	Cisco AS5300 Access VoIP Shelf 16	
	Port 2/18	Cisco AS5300 Access VoIP Shelf 17	
	Port 2/19	Cisco AS5300 Access VoIP Shelf 18	
	Port 2/20	Cisco AS5300 Access VoIP Shelf 19	
Port 2/21	Cisco AS5300 Access VoIP Shelf 20/ Cisco 3640 Gatekeeper Shelf 2	Fast Ethernet 0/ Ethernet 1/0	
Port 2/22	Cisco AS5300 Access VoIP Shelf 21/ Cisco 3640 Gatekeeper Shelf 1	Fast Ethernet 0/ Ethernet 1/0	

Table 23 Cisco 3640 System Controller Port Mapping—All Configurations

From Shelf	Port	To Shelf	Port
Cisco 3640 System Controller	Async 1	Cisco AS5300 Access VoIP Shelf 1	Console
	Async 2	Cisco AS5300 Access VoIP Shelf 2	
	Async 3	Cisco AS5300 Access VoIP Shelf 3	
	Async 4	Cisco AS5300 Access VoIP Shelf 4	
	Async 5	Cisco AS5300 Access VoIP Shelf 5	
	Async 6	Cisco AS5300 Access VoIP Shelf 6	
	Async 7	Cisco AS5300 Access VoIP Shelf 7	
	Async 8	Cisco 7206 Router Shelf 1	
	Async 9	Cisco 7206 Router Shelf 2	
	Async 10	Cisco 3640 Shelf 2	–
	Async 11	Cisco Catalyst 5002 Switch Shelf/ Cisco 3640 Gatekeeper Shelf 1	–
	Async 12	–	–
	Async 13	Cisco 3640 Gatekeeper Shelf 2	–
	Async 14	Cisco 3640 Gatekeeper Shelf 1	–
	Async 15	–	–
	Async 16	–	–
	Async 17	–	–
	Async 18	–	–
	Async 19	Cisco AS5300 Access VoIP Shelf 8	Console
	Async 20	Cisco AS5300 Access VoIP Shelf 9	
	Async 21	Cisco AS5300 Access VoIP Shelf 10/ Cisco 3640 Gatekeeper Shelf 2	
	Async 22	Cisco AS5300 Access VoIP Shelf 11/ Cisco 3640 Gatekeeper Shelf 1	
	Async 23	Cisco AS5300 Access VoIP Shelf 12	
	Async 24	Cisco AS5300 Access VoIP Shelf 13	
	Async 25	Cisco AS5300 Access VoIP Shelf 14	
	Async 26	Cisco AS5300 Access VoIP Shelf 15	
	Async 27	Cisco AS5300 Access VoIP Shelf 16	
	Async 28	Cisco AS5300 Access VoIP Shelf 17	
	Async 29	Cisco AS5300 Access VoIP Shelf 18	
	Async 30	Cisco AS5300 Access VoIP Shelf 19	
	Async 31	Cisco AS5300 Access VoIP Shelf 20	
	Async 32	Cisco AS5300 Access VoIP Shelf 21	

This document is to be used in conjunction with the *Cisco AccessPath-VS3 Packet Telephony Concentrator Hardware Installation Guide* publication and the documents referenced in the “Related Documentation” section.

AccessPath, AtmDirector, Cache Director System, the CCIE logo, CD-PAC, Centri, Centri Bronze, Centri Gold, Centri Security Manager, Centri Silver, the Cisco Capital logo, Cisco IOS, the Cisco IOS logo, *CiscoLink*, the Cisco Powered Network logo, the Cisco Press logo, ClickStart, ControlStream, Fast Step, FragmentFree, IGX, JumpStart, Kernel Proxy, LAN²LAN Enterprise, LAN²LAN Remote Office, MICA, Natural Network Viewer, NetBeyond, Netsys Technologies, *Packet*, PIX, Point and Click Internetworking, Policy Builder, RouteStream, Secure Script, SMARTnet, StrataSphere, StrataSphere BILLder, StrataSphere Connection Manager, StrataSphere Modeler, StrataSphere Optimizer, Stratm, StreamView, SwitchProbe, *The Cell*, TokenSwitch, TrafficDirector, VirtualStream, VlanDirector, Workgroup Director, Workgroup Stack, and XCI are trademarks; The Network Works. No Excuses. is a service mark; and BPX, Catalyst, Cisco, Cisco Systems, the Cisco Systems logo, EtherChannel, FastHub, FastPacket, ForeSight, IPX, LightStream, OptiClass, Phase/IP, StrataCom, and StrataView Plus are registered trademarks of Cisco Systems, Inc. in the U.S. and certain other countries. All other trademarks mentioned in this document are the property of their respective owners.

Copyright © 1998, Cisco Systems, Inc.
All rights reserved. Printed in USA.
9811R

