

## Cable Pinouts

- ☒ Hardware Products
- ☒ Software
- ☒ Drivers
- ☒ Supported PBXs
- ☒ Tutorials
- ☒ Wiki Blog
- ☒ Legacy & End of Life
  - End of Life
  - ☒ Sangoma Media Gateway - EOL
  - ☒ Sangoma Media Gateway SS7 - EOL
  - Sangoma Media Gateway BRI - EOL
  - Wanpipe SS7 MTP2 API - EOL
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      - A500 BRI
      - FlexBRI B700
      - T1/E1 Tapping Solution
      - Cable Pinouts

RJ-48C aka T1/E1 RJ-45  
RJ-49C aka BRI RJ-45  
RJ-48S aka 56K DDS RJ-45  
RJ-11/RJ-14 aka Standard Analog Connector (6P-4C)  
RJ-9/RJ-10/RJ-22 aka RJ-11 Narrow (4P-4C)  
RJ-21 aka 50-pin Telco connector, CHAMP, or Amphenol Connector  
A101/A102/A104  
A108  
A500  
B700  
A200  
A400  
B600  
U100  
A301  
A56K  
A14X  
S502/S503 back-to-back cable  
card to DTE host cable (RS232)  
RS232 to DCE cable for Sangoma cards  
DB25 to V.35 DCE cable for Sangoma cards  
Sangoma card DB25 to V.35 host null modem cable  
V.10/V.11 DB25 to DB25 back to back cable  
DB25 to EIA530 DCE Cable for Sangoma cards  
DB25 Wrap Plug for Testing Sangoma Cards  
DB25 to X.21 cable for Sangoma Communication Boards  
RS232 cable for second DB9 port for the S508

Hardware Matrix  
AFT Firmware Files

+ Wanpipe Software  
+ Wanpipe Telephony API  
+ Wanpipe WAN IP API  
+ Media Transcoding

+ Lync Express 1.0

+ Technical Support

Forums

+ Troubleshooter

### Free Whitepapers

- **Best of Both Worlds:  
Making the most out of  
your Office 365 Licensing  
and Increase Productivity**



V.35 cable for S514 main port  
X.21 cable for S514 main port  
Dual DB25 breakout adapter for S514  
Standard cable for A142R  
Standard cable for A142V  
Standard cable for A144R  
Standard cable for A144V  
FXO cable:  
B600 FXS Cable

S514

Vega Gateway Serial Port Pin-outs

Serial Cable

RJ45 <-> 9 way D-Type

## RJ-45

The RJ-45 (Registered Jack 45) is one of the common physical connectors in the communications industry today even though it is not an official standard. An RJ-45 connector is used to refer to a 8 pin - 8 connector (8P-8C) modular connector. The name is also "RJ-45" is incorrectly used to describe a common ethernet cable (TIA/EIA-568-B).

The image below shows the pinout of a 8P-8C connector...the "tab" to hold the connector in the socket is facing down (or towards this page).



Why and How to add Lync  
Enterprise Voice

- **Sangoma SS7 Gateway Advantage**



Excellent ROI, wide range of  
protocol variants, ultimate  
transcoding support, simple  
licensing, scalability, intuitive and

RJ-45  
aka 8P-8C Modular Plug

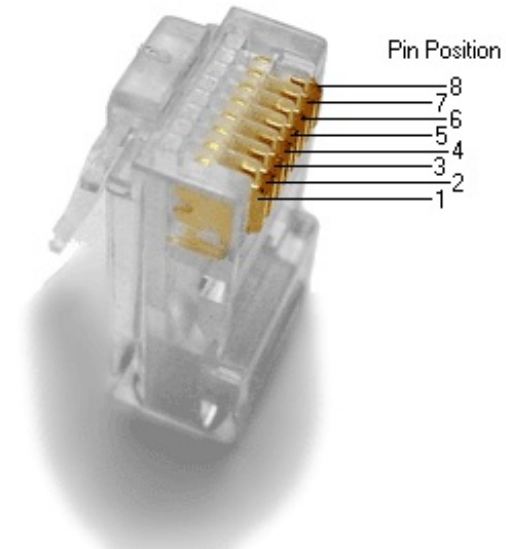
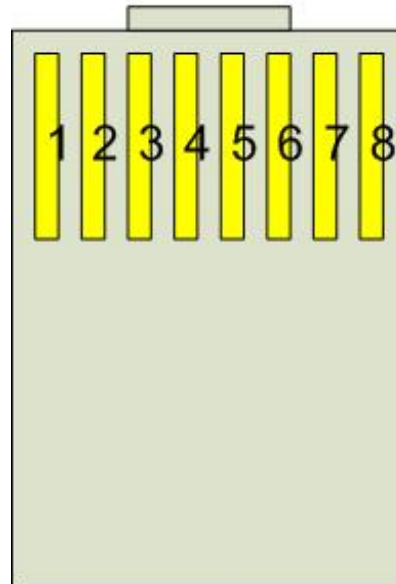


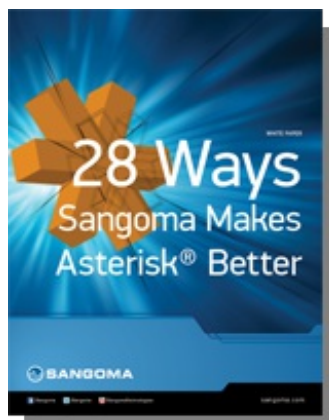
Image from : <http://en.wikipedia.org/wiki/File:Rj45plug-8p8c.png>

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## RJ-48C aka T1/E1 RJ-45

licensing, scalability, intuitive and easy

- **28 Ways Sangoma Makes Asterisk Better**



Lear how Sangoma makes Asterisk more scalable, more reliable and more functional. Sangoma delivers where others fall short.

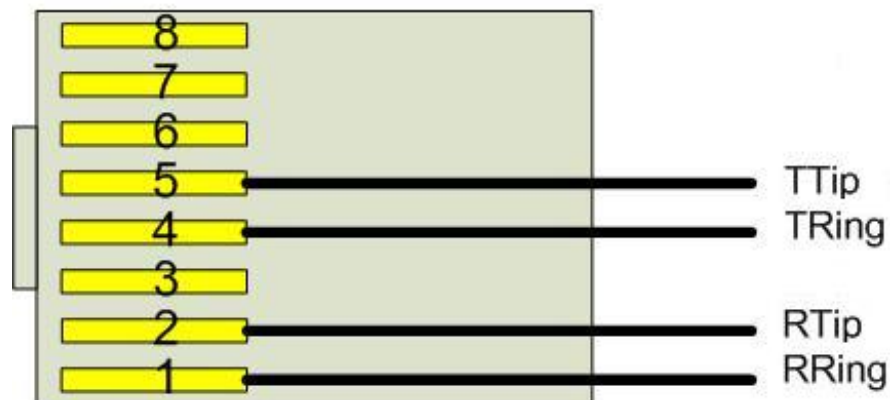
- **SBC - The Critical Component**



SBC addresses key VoIP and UC issues around security, remote workers, firewalls, transcoding and SIP interoperability.

- **How to Respond to MVAS**

RJ-48C  
aka T1/E1



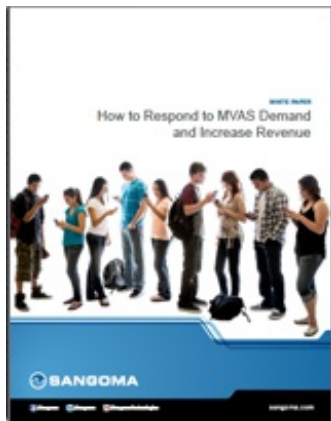
RJ-49C aka BRI RJ-45

RJ-49C  
aka BRI



RJ-48S aka 56K DDS RJ-45

## Demand and Increase Revenue



The Indian market has embraced Value Added Services igniting innovation and new business opportunities.

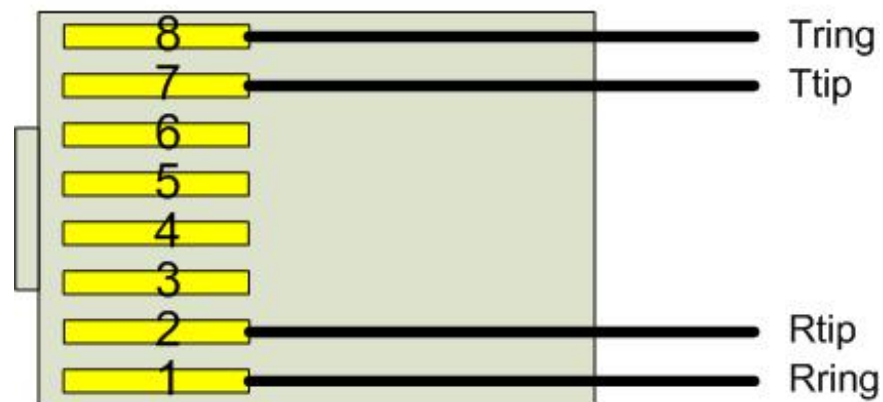
- **Bridging Open Source and Proprietary Telephony Environments**



Today's Communications needs may not be well addressed by Open Source resources.

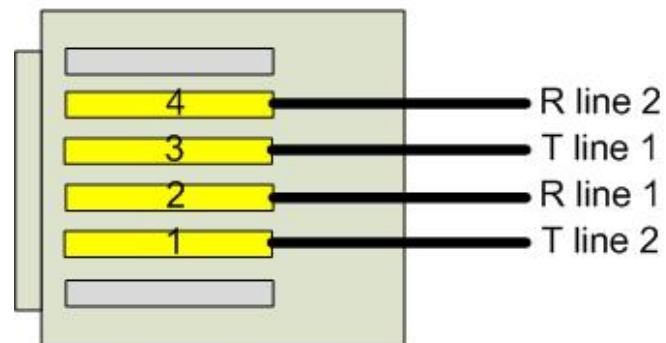
- **Enterprise Applications of Sangoma Vega Media Gateways**

RJ-48S  
aka 56k DDS

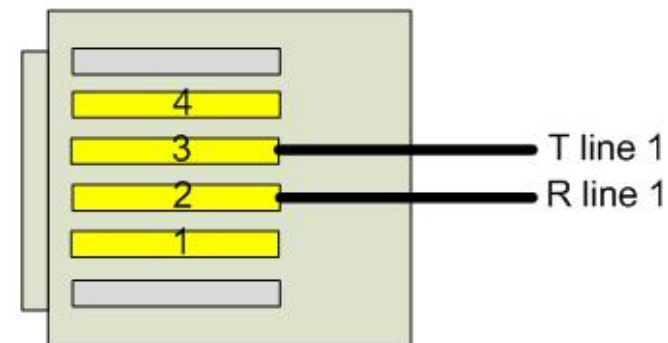


## RJ-11/RJ-14 aka Standard Analog Connector (6P-4C)

RJ-14



RJ-11



## R.I-9/R.I-10/R.I-22 aka R.I-11 Narrow (4P-4C)



Branch Offices  
SIP Trunking  
PSTN Trunking  
Hospitality

- **Specialized Hardware Answers Booming VoIP Transcoding Demands**



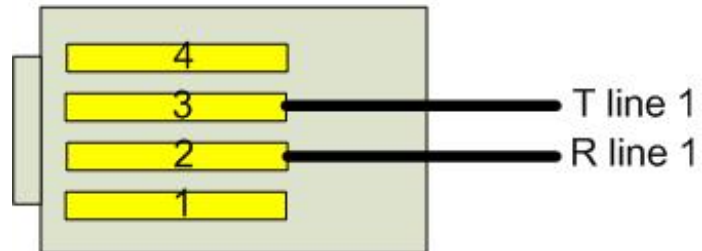
Transcoding voice calls between various networks is increasingly necessary.

- **Mobile Value-Added Services with Sangoma**

## RJ-9/RJ-10/RJ-22 and RJ-11 Narrow (4P-4C)

**NOTE:** RJ-9, RJ-10, RJ-22, and RJ-11 Narrow are not official standards. This connector is official called **"Modular Connector 4P-4C"**

RJ-9/RJ-10/RJ-22  
Aka RJ-11 Narrow



## RJ-21 aka 50-pin Telco connector, CHAMP, or Amphenol Connector

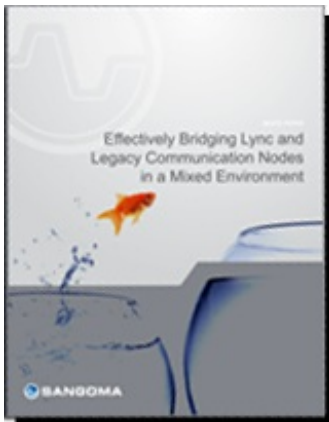


Image from: <http://en.wikipedia.org/wiki/File:RJ21-female-connector.jpg>



Open source telephony platforms can deliver low-cost solutions for the lucrative Mobile Value Added Services market.

- **Effectively Bridging Lync and Legacy Communication Nodes in a Mixed Environment**

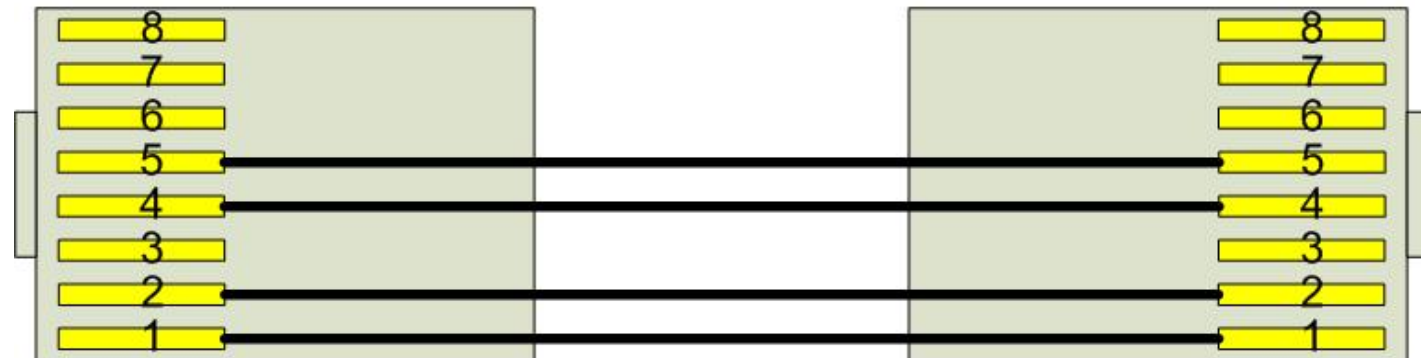


Facilitate the migration from legacy through hybrid, to a fully Lync-optimized environment.

- **Contact Center Doubles Capacity and Expands Services**

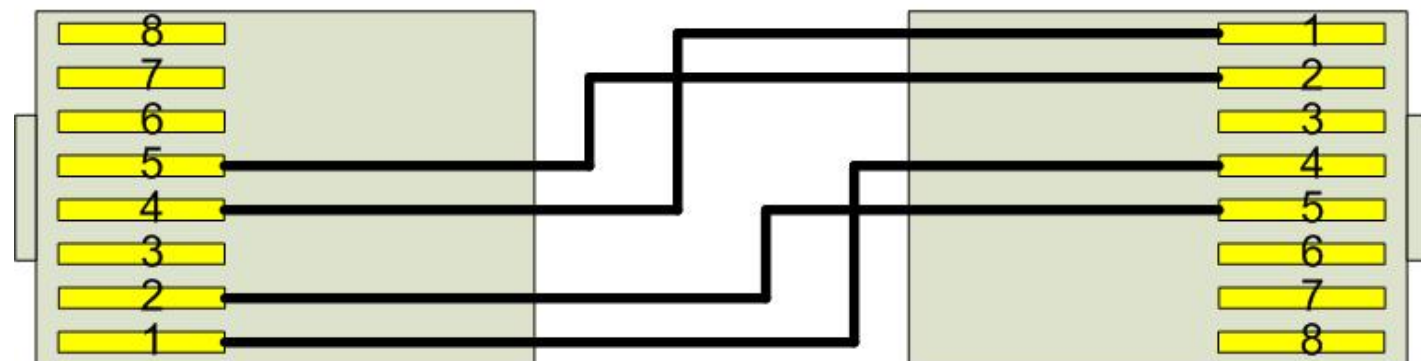
## A101/A102/A104

### A101/2/4 Straight Thru Cable



1 <-> 1  
2 <-> 2  
4 <-> 4  
5 <-> 5

### A101/2/4 Cross Over Cable



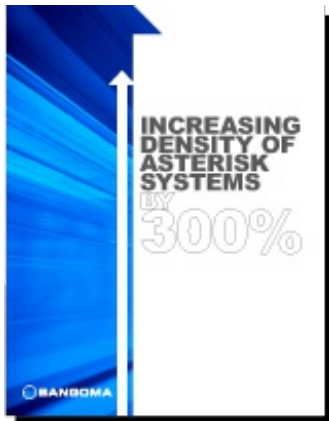
1 <-> 4  
2 <-> 5





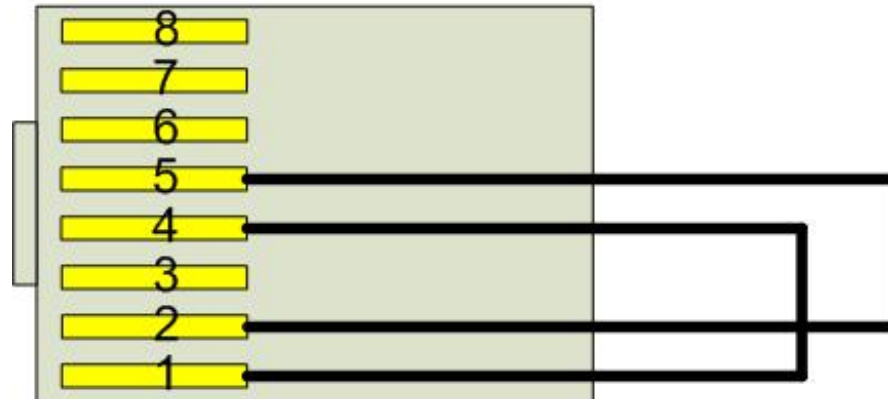
Increased Efficiency with VICIdial Call Center Platform and Sangoma Call Analyzer.

- Increasing the Density of Asterisk systems by 300%



4 <-> 1  
5 <-> 2

A101/2/4 Loop Back Plug



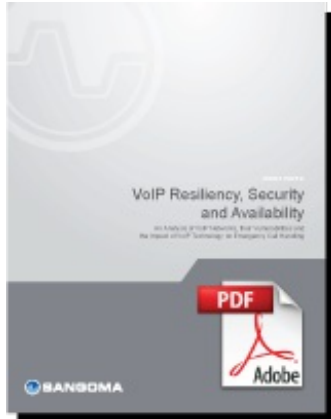
1 <-> 4  
2 <-> 5

A108

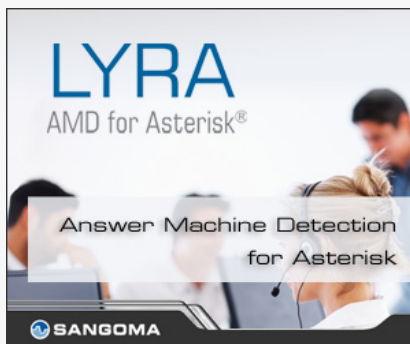


Asterisk can run up to forty-eight spans of Digital Telephony (1,440 simultaneous calls) without overloading the CPU.

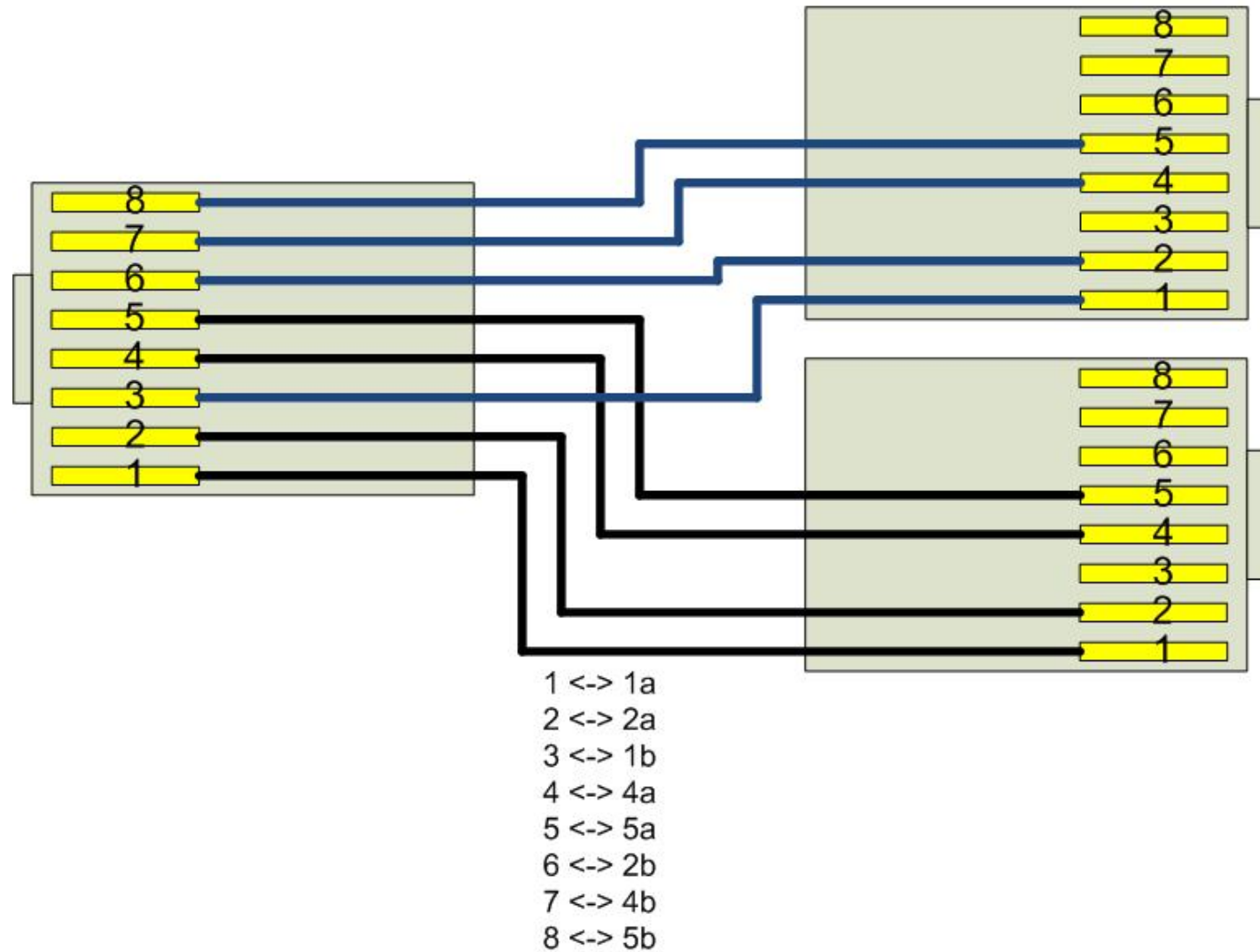
- **VoIP Resiliency, Security and Availability**



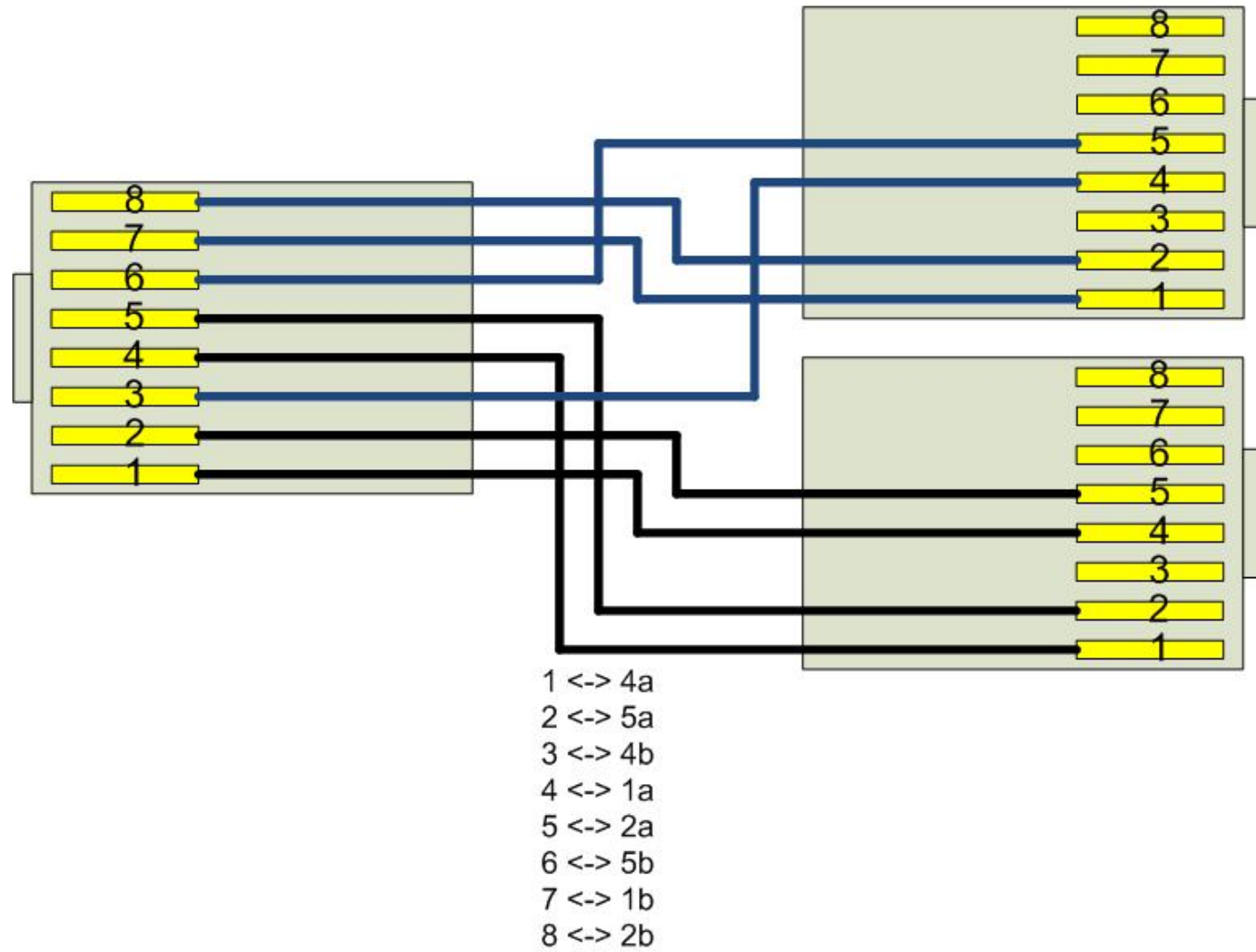
An Analysis of VoIP Networks, their Vulnerabilities and the Impact of VoIP Technology on Emergency Call Handling.



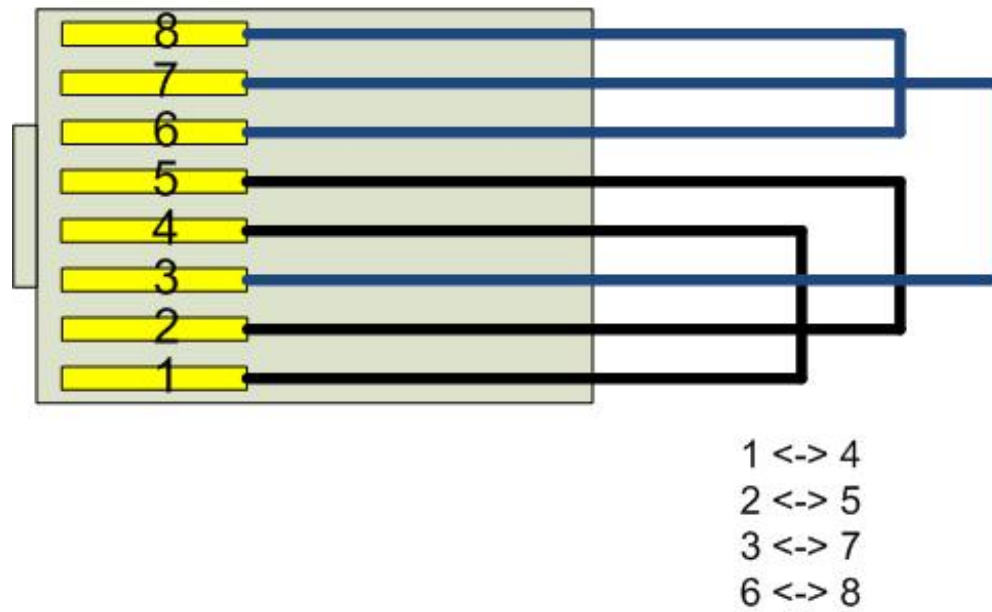
## A108 Straight Thru Y Cable



## A108 Cross-Over Y Cable

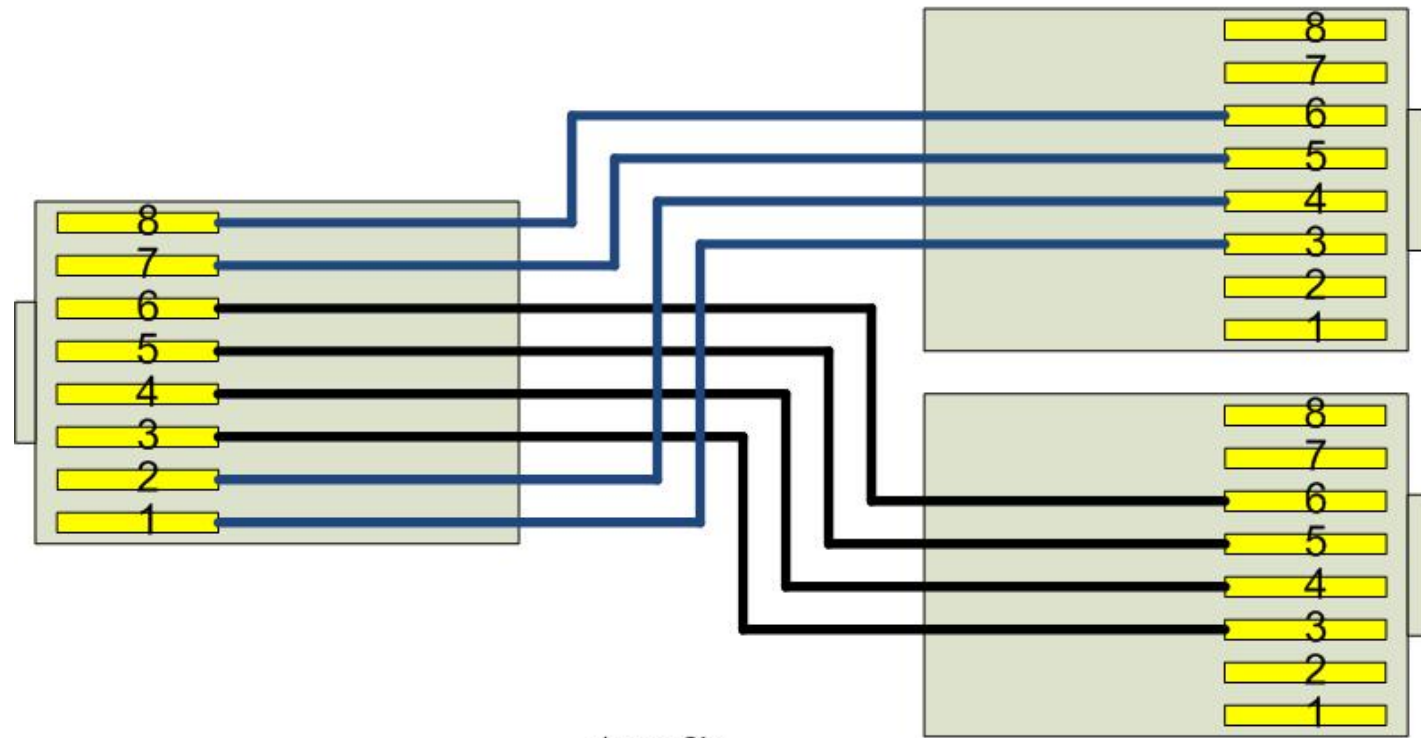


## A108 Loop Back Plug



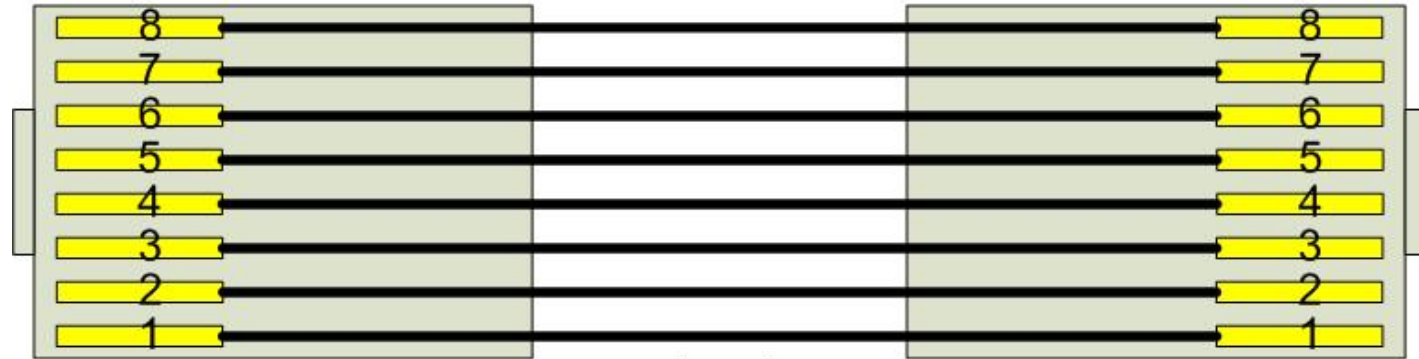
A500

# BRI Y Straight Thru Cable



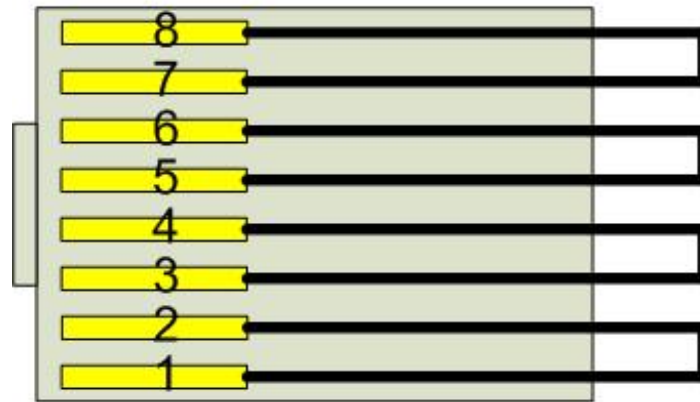
1 <-> 3b  
2 <-> 4b  
3 <-> 3a  
4 <-> 4a  
5 <-> 5a  
6 <-> 6a  
7 <-> 5b  
8 <-> 6b

BRI Straight Thru Cable  
aka Loop Back Cable



1 <-> 1  
2 <-> 2  
3 <-> 3  
4 <-> 4  
5 <-> 5  
6 <-> 6  
7 <-> 7  
8 <-> 8

## BRI Loop Back for Sangoma Aft-Prod

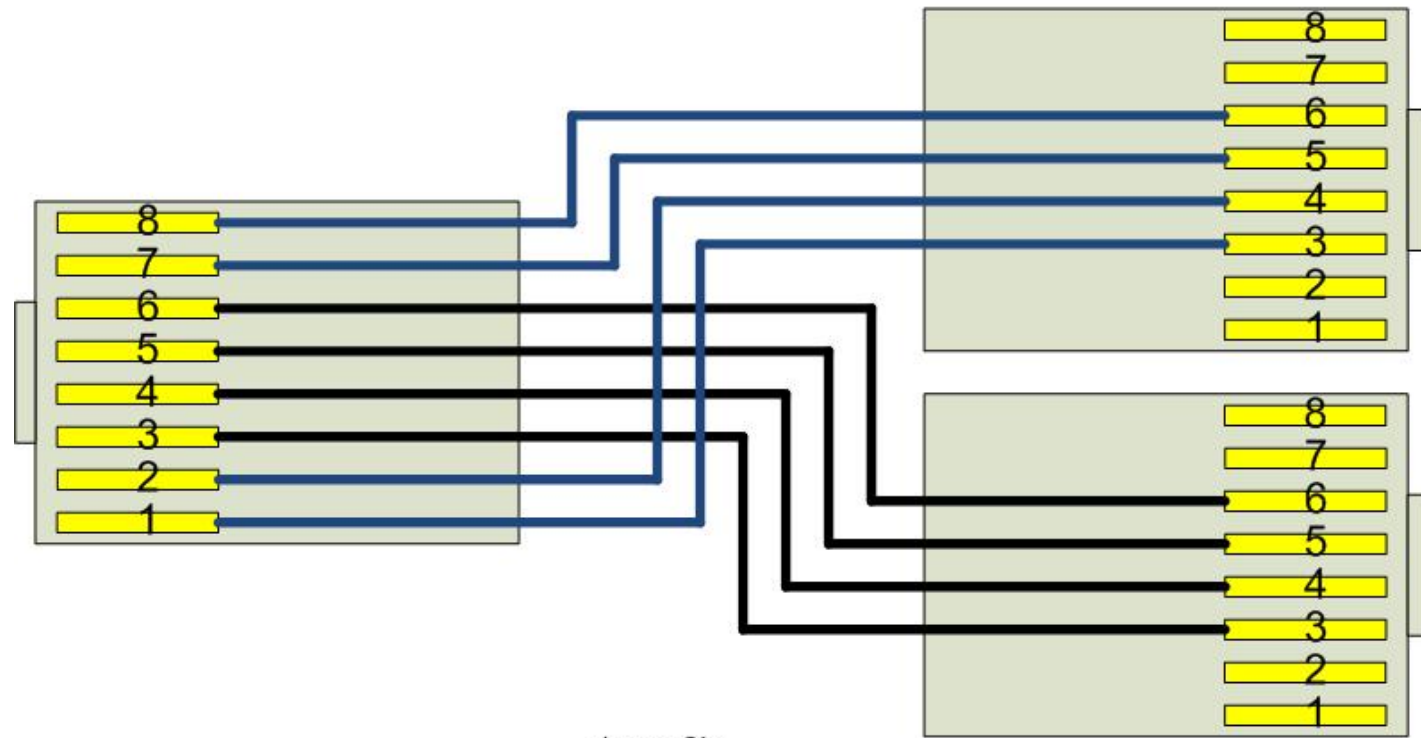


1 <-> 2  
3 <-> 4  
5 <-> 6  
7 <-> 8

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**B700**

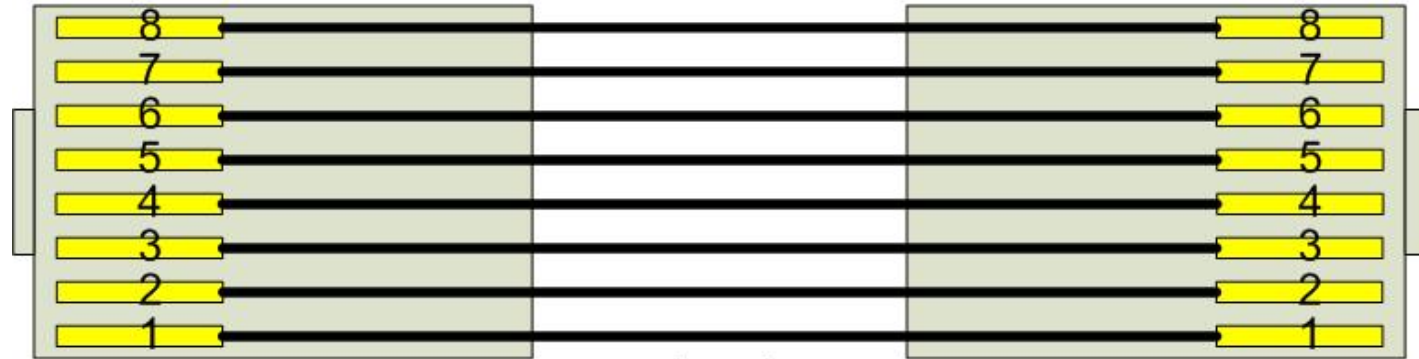
# BRI Y Straight Thru Cable



1 <-> 3b  
2 <-> 4b  
3 <-> 3a  
4 <-> 4a  
5 <-> 5a  
6 <-> 6a  
7 <-> 5b  
8 <-> 6b

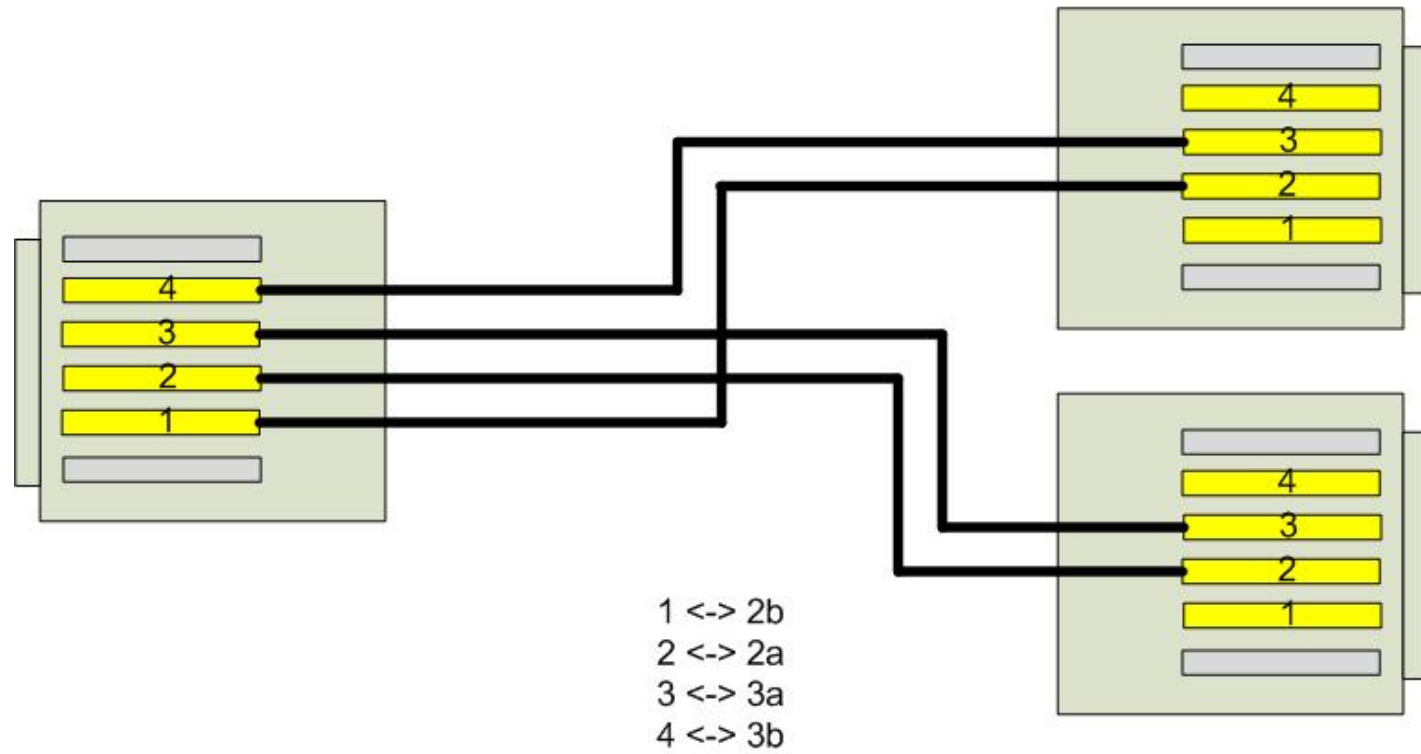


BRI Straight Thru Cable  
aka Loop Back Cable

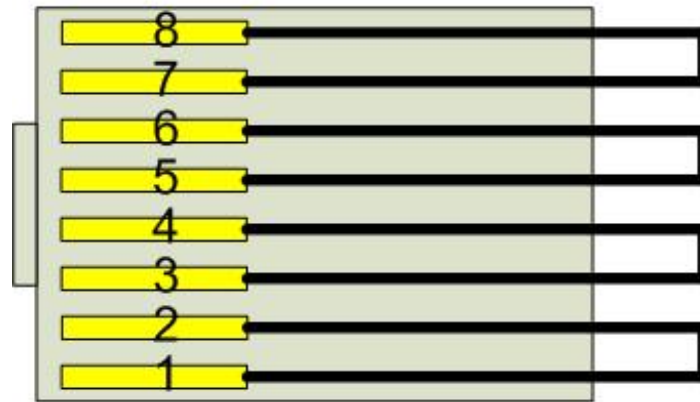


1 <-> 1  
2 <-> 2  
3 <-> 3  
4 <-> 4  
5 <-> 5  
6 <-> 6  
7 <-> 7  
8 <-> 8

## Analog Y Cable

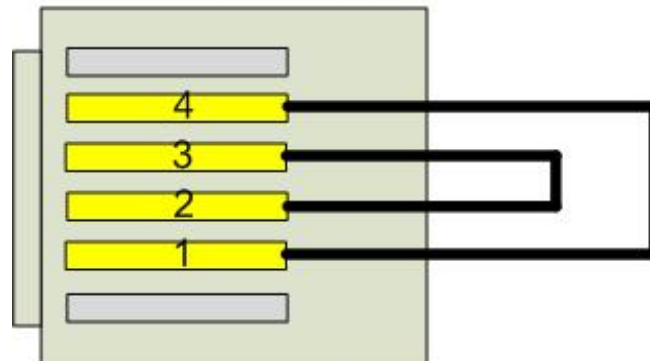


## BRI Loop Back for Sangoma Aft-Prod

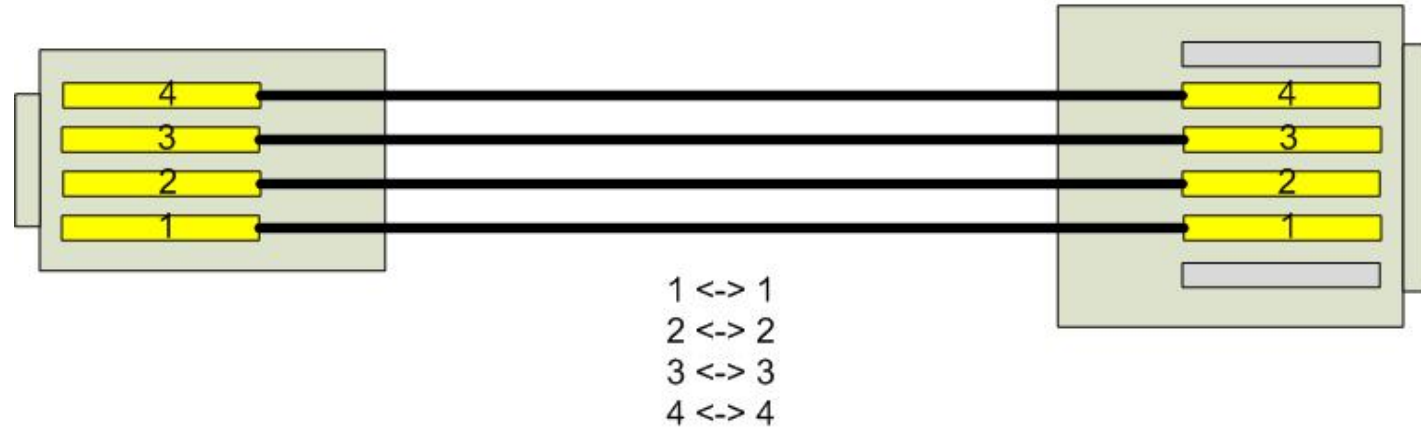


1 <-> 2  
3 <-> 4  
5 <-> 6  
7 <-> 8

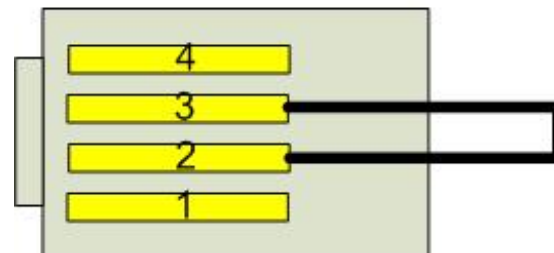
## RJ-11/RJ-14 Loop Back



A200 Cable  
aka R11-Narrow to RJ-14

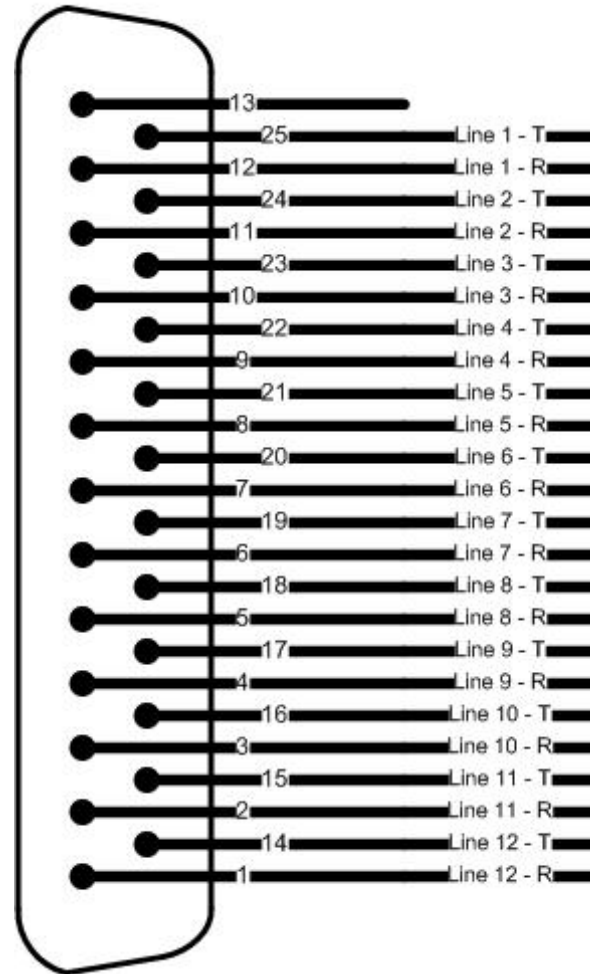


RJ-9/RJ-10/RJ-22/RJ-11 Narrow  
Loop Back



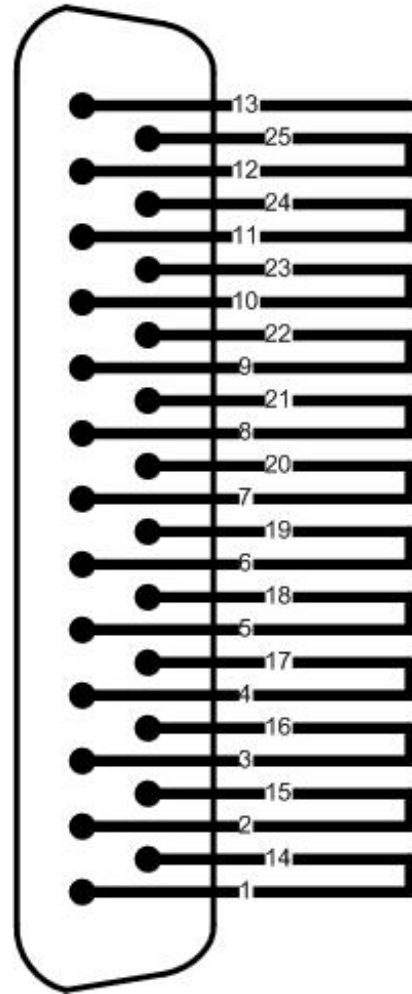
A400

## DB-25 Cable



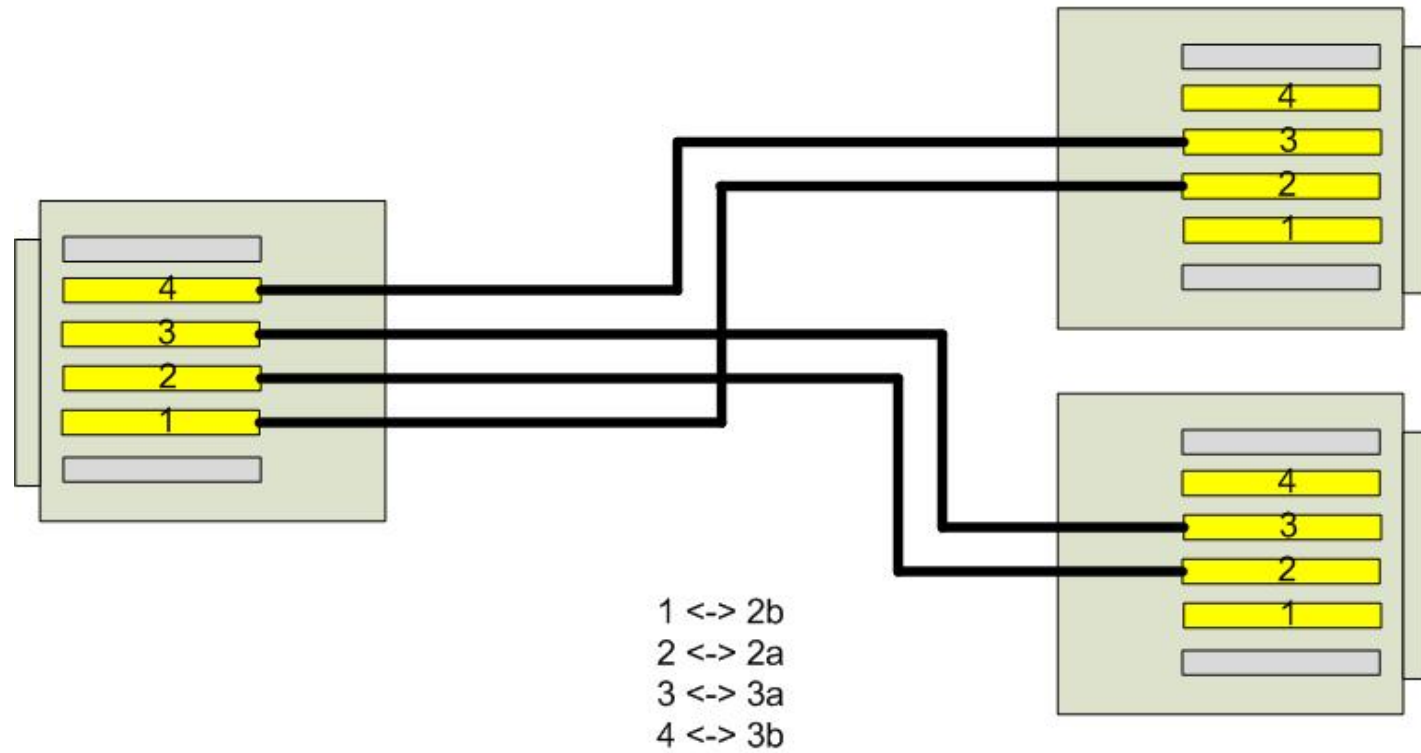
Line #	Wire Color (Ring/Tip)
Line 1	Blue-White/White-Blue
Line 2	Orange-White/White-Orange
Line 3	Green-White/White-Green
Line 4	Brown-White/White-Brown
Line 5	Slate-White/White-Slate
Line 6	Blue-Red/Red-Blue
Line 7	Orange-Red/Red-Orange
Line 8	Red-Green/Green-Red
Line 9	Brown-Red/Red-Brown
Line 10	Slate-Red/Red-Slate
Line 11	Blue-Black/Black-Blue
Line 12	Orange-Black/Black-Orange

## A400 Loop Back

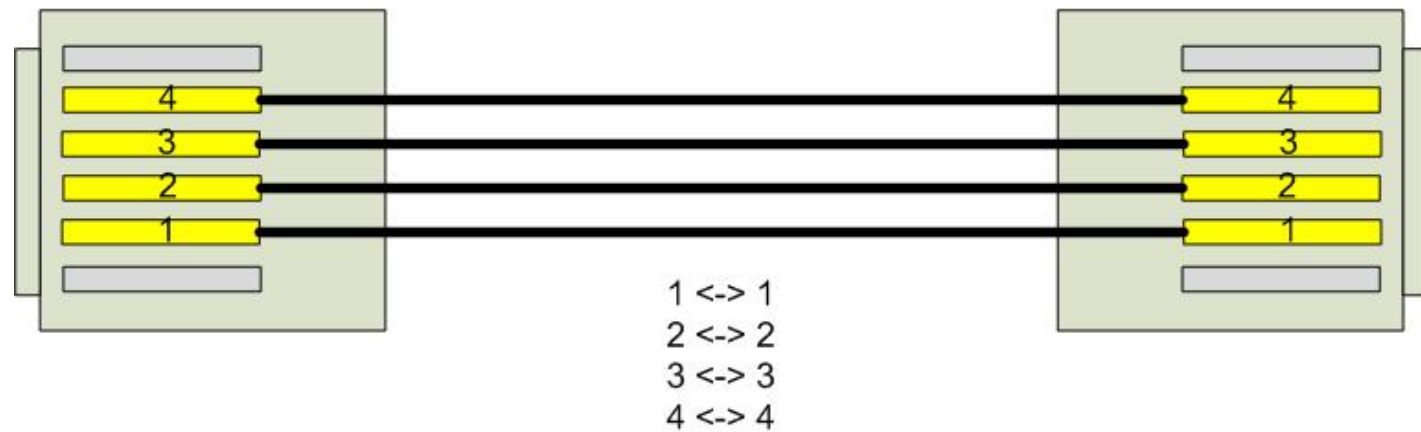


B600

Analog Y Cable

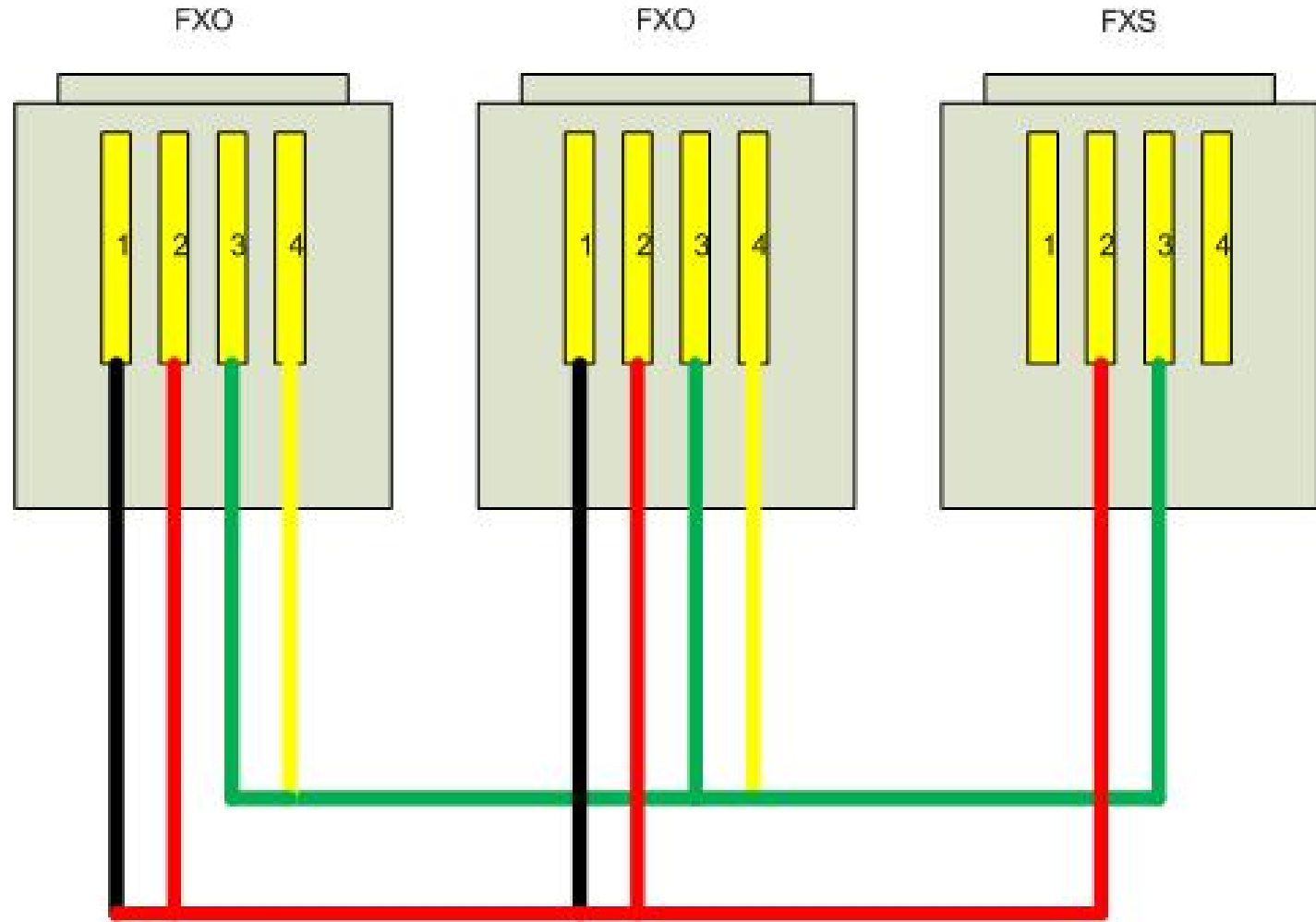


B600 FXS Cable



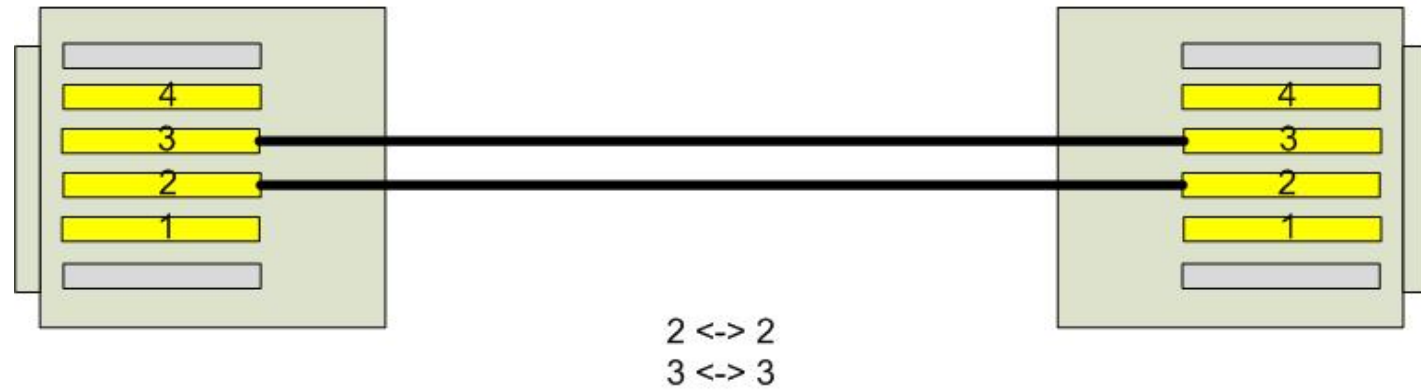


# B600 Loop Back



U100

## U100 Cable



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**A301**

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**A56K**

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**A14X**

- CABL-601 S502/S503 back-to-back cable
- CABL-602 RS232 back-to-back cable for S508 and S503
- CABL-607 RS232 to DCE cable for Sangoma cards
- CABL-608 V.35 to DCE cable for Sangoma cards
- CABL-609 Sangoma card to V.35 host null modem cable
- CABL-610 V.10/V.11 back to back cable
- CABL-611 EIA530 DCE Cable for Sangoma cards

- CABL-612 Wrap Plug for Testing Sangoma Cards
- CABL-613 X.21 cable for Sangoma Communication Boards
- CABL-615 RS232 cable for second DB9 port for the S508
- CABL-617 V.35 cable for S514 main port
- CABL-618 X.21 cable for S514 main port
- CABL-620 Dual DB25 breakout adapter for S514
- CABL-636 Standard cable for A142R
- CABL-637 Standard cable for A142V
- CABL-638 Standard cable for A144R
- CABL-639 Standard cable for A144V
- CABL-643 B600 FXO Cable
- CABL-644 B600 FXS Cable

Back to back connection of T1 devices: see ["Testing of Sangoma Cards Back to Back"](#)

**Please Note: The + sign means there is a connection between two wires.**

### S502/S503 back-to-back cable

- Used for back-to-back connections between two Sangoma card in the **RS232** mode.
- Set both cards for **Internal Clocking** and set the line speeds for **56 kbps** max on all cards. Note that the S508 **will not run correctly** on this cable.

DB25 Male			DB25 Male		
TxD	2	-----	3	RxD	
RxD	3	-----	2	TxD	
GND	7	-----	7	GND	
RTS	4	---+	4	RTS	
CTS	5	---+	5	CTS	
DTR	20	-----+	6	DSR	
DSR	6	---+	8	DCD	
DCD	8	---+-----	20	DTR	
TxC	15	---+-----	17	RxC	
BxC	24	---+	24	BxC	
RxC	17	-----+	15	TxC	

### card to DTE host cable (RS232)

- Used for connecting to a third party RS232 DTE host.

- Provides clocking from Sangoma Card for both the card itself and the host DTE.
- Set Sangoma card for **Internal Clocking** and set the line speeds for **56 kbps** max on the S502 and S503 cards, **180 kbps** max on the S508 cards.
- You can use this cable for Sangoma to Sangoma Back-to-back connections by connecting the **Female DB25** to the **Internally** clocked Sangoma card and the **Male DB25** (through a gender mender) to the **Externally** clocked Sangoma card.

DB25 Male				DB25 Female			
Sangoma card side				Other side			
TxD	2	-----		3		RxD	
RxD	3	-----		2		TxD	
GND	7	-----		7		GND	
RTS	4	---+	+---	4		RTS	
CTS	5	---+	+---	5		CTS	
DTR	20	---+	+---	6		DSR	
DSR	6	---+	+---	8		DCD	
DCD	8	---+	+---	20		DTR	
TxC	15	---+-----		17		RxC	
BxC	24	---+		24		BxC	
RxC	17	---+-----		15		TxC	

### RS232 to DCE cable for Sangoma cards

- Use for connecting S508, S503 and S502E cards to a DSU/CSU or other DTE in the RS232 mode.
- Only the pins needed for an RS232 connection are provided.
- Clocking is from the **DCE**, set the Sangoma card to **External clocking**.

DB25 Male				DB25 Male			
TxD	2	-----		2		TxD	
RxD	3	-----		3		RxD	
GND	7	-----		7		GND	
RTS	4	-----		4		RTS	
CTS	5	-----		5		CTS	
DTR	20	-----		20		DTR	
DSR	6	-----		6		DSR	
DCD	8	-----		8		DCD	
TxC	15	-----		15		TxC	
RxC	17	-----		17		RxC	

### DB25 to V.35 DCE cable for Sangoma cards

- Use for connecting S508, S503 and S502E cards to a DSU/CSU or other DTE in the **V.35** mode.
- The V.35 male plug has a standard interface to all V.35 DCE devices.
- Clocking is from the **DCE**, set the Sangoma card to **External clocking**.

DB25 (M)	V.35 (M)
4 RTS	C
5 CTS	D
6 DSR	E
7 GND	B
8 DCD	F
9 TxB	S
10 TxA	P
11 RxB	T
12 RxA	R
19 Tx Clock A	Y
20 DTR	H
21 Tx Clock B	AA
22 RI	J
23 Rx Clock A	V
25 Rx Clock B	X

### Sangoma card DB25 to V.35 host null modem cable

- Used for connecting to a third party **V.35** DTE host.
- Provides clocking from Sangoma Card for both the card itself and the host DTE.
- Set Sangoma card for **Internal Clocking** and set the line speeds for **56 kbps** max on the S502E and S503 cards, **2.6 Mbps** max on the S508 cards.
- Female V.35 plug interfaces to Male DCE plug from the host device.

DB25 (M)		V.35 (F)
7	GND-----	B
4	RTS---+	+---C
5	CTS---+	+---D
20	DTR-----	+---E DSR
6	DSR---+	+---F DCD
8	DCD---+	-----H DTR
10	TxA-----	R RxA
9	TxB-----	T RxB
12	RxA-----	P TxA
11	RxB-----	S TxB
19	Tx Clock A--+	-----Y
23	Rx Clock A--+	-----V
16	Aux.clck A--+	
25	Rx Clock B--+	-----X
21	Tx Clock B--+	-----AA
18	Aux.clck B--+	

### V.10/V.11 DB25 to DB25 back to back cable

- For connecting two Sangoma cards in V.35/EIA530/X.21 mode **back-to-back**.
- At the "**Clocked Side**" set the card for **Internal Clocking**.
- At the other side, set the card for **External Clocking**.
- Set the line speed on the Clocked side to **56 kbps** max on the S502E and S503 cards, **2.6 Mbps** max on the S508 cards.

DB25 (M) "CLOCKED SIDE "	DB25(M)
7 GND-----	7 GND
4 RTS--+	+---4 RTS
5 CTS--+	+---5 CTS
20 DTR-----	+---6 DSR
6 DSR--+	+---8 DCD
8 DCD--+-----	20 DTR
10 TxA-----	12 RxA
9 TxB-----	11 RxB
12 RxA-----	10 TxA
11 RxB-----	9 TxB
19 Tx Clock A--+-----	19 Tx Clock A
23 Rx Clock A--+-----	23 Rx Clock A
16 Aux.click A--+	
25 Rx Clock B--+-----	25 Rx Clock B
21 Tx Clock B--+-----	21 Tx Clock B
18 Aux.Click B--+	

## DB25 to EIA530 DCE Cable for Sangoma cards

- For connecting Sangoma cards to EIA530 DCEs.

DB25 (M)	DB25(M) Labeled: RS530 side
7 GND-----	7 GND
4 RTS--+	
5 CTS--+	
20 DTR--+	
8 DCD--+	
10 TxA-----	2 TxA
9 TxB-----	14 TxB
12 RxA-----	3 RxA
11 RxB-----	16 RxB
19 Tx Clock A-----	15 Tx Clock A
21 Tx Clock B-----	12 Tx Clock B
23 Rx Clock A-----	17 Rx Clock A
25 Rx Clock B-----	9 Rx Clock B
13 DTR A-----	+---20 DTR A
	+---4 RTS A
14 DTR B-----	+---23 DTR B
	+---19 RTS B

## DB25 Wrap Plug for Testing Sangoma Cards



- Single Male DB25 plug with internal wrapping.
- For use with **SNOOPER** in Card Test mode.
- Run **CARDTEST.BAT**.

2--+  
3--+

4--+  
5--+

20--+  
6--+  
8--+

15--+  
17--+  
24--+

9--+  
11--+

10--+  
12--+

19--+  
23--+  
16--+

25--+  
21--+  
18--+

### DB25 to X.21 cable for Sangoma Communication Boards

- DB25 male plug at one end, DB15 (ISO 4903) male plug at other end, 4ft cable.
- For connecting to X.21 DSU/CSUs.

**DB25M****DB15M**

4	RTS--+	
5	CTS--+	
6	DSR	
7	GND	
8	DCD--+	
20	DTR--+	
13	DTRB (V11 signal) -----	3
14	DTRA (V11 signal) -----	10
10	TxA-----	2
9	TxB-----	9
12	RxA-----	4
11	RxB-----	11
19	Tx Clock A---+-----	6
23	Rx Clock A---+	
21	Tx Clock B---+-----	13
25	Rx Clock B---+	

**RS232 cable for second DB9 port for the S508**

DB25 male plug at one end, DB9 male plug at other end, 4ft cable.

Pinouts as follows:

**DB9 Male****DB25 Male**

TxD 3	-----	2 TxD
RxD 2	-----	3 RxD
GND 5	-----	7 GND
DCD 1	-----	8 DCD
RTS 7	-----	24 AuxC
CTS 8	-----	5 CTS
TxC 6	-----	15 TxC
RxC 9	-----	17 RxC
DTR 4	-----+--	20 DTR
	+--	4 RTS

**V.35 cable for S514 main port**

DB37 male plug at one end, 4ft cable, V.35 male plug (AMP 213300-1 9135 or equivalent).

Pinouts as follows:

DB37 (M)	V.35 (M)
1 RTS	C
2 CTS	D
3 GND	B
4 DCD	F
5 DTR	H
18 TxB	S
19 TxA	P
20 RxB	T
21 RxA	R
22 Tx Clock A	Y
23 Tx Clock B	AA
24 Rx Clock A	V
25 Rx Clock B	X

## X.21 cable for S514 main port

DB37 male plug at one end, DB15 (ISO 4903) male plug at other end, 4ft cable.

Pinouts as follows:

DB37M Pin#		DB15M Pin #
1	RTS---+	
2	CTS---+	
4	DCD---+	
5	DTR---+	
26	DTRA (V11 signal)-----	10
27	DTRB (V11 signal)-----	3
19	TxA-----	2
18	TxB-----	9
21	RxA-----	4
20	RxB-----	11
22	Tx Clock A---+-----	6
24	Rx Clock A---+	
23	Tx Clock B---+-----	13
25	Rx Clock B---+	

## Dual DB25 breakout adapter for S514

DB37 Male connected to two DB25 Female plugs.

Cables lengths are not important, make as short as practicable.

Label Primary port "P" and Secondary port "S"

DB37	DB25: PRIMARY PORT	DB25: SECONDARY PORT
------	-----------------------	-------------------------

1	4	
2	5	
3	7	7
4	8	
5	20	
6	2	
7	3	
8	15	
9	17	
10		4
11		5
12		8
13		20
14		2
15		3
16		15
17		17
18	9	
19	10	

20	11	
21	12	
22	19	
23	21	
24	23	
25	25	
26	14	
27	13	
28		9
29		10
30		11
31		12
32		19
33		21
34		23
35		25
36		14
37		13

### Standard cable for A142R

311A10129X(50 pin

PORT1(DB25

PORT2(DB25

SCSI 2)	FEMALE)	FEMALE)
	1	
32	2 TxD	
3	3 RxD	
28	4 RTS	
10	5 CTS	
	6	
25(GND)	7 GND	
43	8 DCD	
	9	
	10	
	11	
	12	
	13	
	14	
19	15 TxCLK	
	16	
46	17 RxCLK	
	18	
	19	

13	20 DTR	
	21	
	22	
	23	
	24	
	25	
		1
7		2 TxD
17		3 RxD
21		4 RTS
22		5 CTS
		6
26(GND)		7 GND
39		8 DCD
		9
		10
		11
		12
		13



		14
20		15 TxCLK
		16
8		17 RxCLK
		18
		19
27		20 DTR
		21
		22
		23
		24
		25

#### Standard cable for A142V

311A10129X (50 pin SCSI 2)	PORT 1 (DB25 FEMALE)	PORT 2 (DB25 FEMALE)
	1	
	2	
	3	
28	4 RTS	
10	5 CTS	

	6	
25(GND)	7 GND	
43	8 DCD	
15	9 TxA	
2	10 TxB	
46	11 RxA	
45	12 RxB	
16	13 (x21 DTRB)	
3	14 (x21 DTRA)	
	15	
	16	
	17	
	18	
32	19 Tx CLK A	
13	20 DTR	
19	21 Tx CLK B	
	22	
	23	
	24	
	25	

		1
		2
		3
21		4 RTS
22		5 CTS
		6
26(GND)		7 GND
39		8 DCD
1		9 TxA
14		10 TxB
8		11 RxA
9		12 RxB
4		13 (x21 DTRB)
17		14 (x21 DTRA)
		15
		16
		17
		18
7		19 Tx CLK A

27		20 DTR
20		21 Tx CLK B
		22
		23
		24
		25

### Standard cable for A144R

311A10129X (50 pin SCSI 2)	PORT 1 (DB25 FEMALE)	PORT 2 (DB25 FEMALE)	PORT 3 (DB25 FEMALE)	PORT 4 (DB25 FEMALE)
	1			
32	2 TxD			
3	3 RxD			
28	4 RTS			
10	5 CTS			
	6			
25(GND)	7 GND			
43	8 DCD			
	9			
	10			
	11			

	12			
	13			
	14			
19	15 TxCLK			
	16			
46	17 RxCLK			
	18			
	19			
13	20 DTR			
	21			
	22			
	23			
	24			
	25			
		1		
7		2 TxD		
17		3 RxD		
21		4 RTS		
22		5 CTS		

		6		
26(GND)		7 GND		
39		8 DCD		
		9		
		10		
		11		
		12		
		13		
		14		
20		15 TxCLK		
		16		
8		17 RxCLK		
		18		
		19		
27		20 DTR		
		21		
		22		
		23		
		24		
		25		

			1	
31			2 TxD	
11			3 RxD	
29			4 RTS	
44			5 CTS	
			6	
25			7 GND	
41			8 DCD	
			9	
			10	
			11	
			12	
			13	
			14	
5			15 TxCLK	
			16	
18			17 RxCLK	
			18	
			19	

42			20 DTR	
			21	
			22	
			23	
			24	
			25	
				1
6				2 TxD
50				3 RxD
47				4 RTS
48				5 CTS
				6
26				7 GND
49				8 DCD
				9
				10
				11
				12



				13
				14
33				15 TxCLK
				16
34				17 RxCLK
				18
				19
40				20 DTR
				21
				22
				23
				24
				25

#### Standard cable for A144V

311A10129X (50 pin SCSI 2)	PORT1 (DB25 FEMALE)	PORT2 (DB25 FEMALE)	PORT3 (DB25 FEMALE)	PORT4 (DB25 FEMALE)
	1			
	2			
	3			
28	4 RTS			

10	5 CTS			
	6			
25(GND)	7 GND			
43	8 DCD			
15	9 TxA			
2	10 TxB			
46	11 RxA			
45	12 RxB			
16	13 (x21 DTRB)			
3	14 (x21DTRA)			
	15			
	16			
	17			
	18			
32	19 Tx/Rx CLK A			
13	20 DTR			
19	21 Tx/Rx CLK B			
	22			
	23			

	24			
	25			
		1		
		2		
		3		
21		4 RTS		
22		5 CTS		
		6		
26(GND)		7 GND		
39		8 DCD		
1		9 TxA		
14		10 TxB		
8		11 RxA		
9		12 RxB		
4		13 (x21 DTRB)		
17		14 (x21 DTRA)		
		15		
		16		
		17		

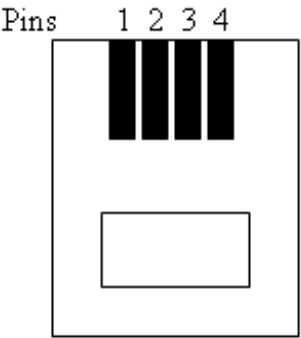
		18		
7		19 Tx CLK A		
27		20 DTR		
20		21 Tx CLK B		
		22		
		23		
		24		
		25		
			1	
			2	
			3	
29			4 RTS	
44			5 CTS	
			6	
25			7 GND	
41			8 DCD	
38			9 TxA	
12			10 TxB	
18			11 RxA	

30			12 RxB	
24			13 (x21 DTRB)	
11			14 (x21 DTRA)	
			15	
			16	
			17	
			18	
31			19 Tx CLK A	
42			20 DTR	
5			21 Tx CLK B	
			22	
			23	
			24	
			25	
				1
				2
				3
47				4 RTS
48				5 CTS

				6
26				7 GND
49				8 DCD
37				9 TxA
23				10 TxB
34				11 RxA
35				12 RxB
36				13 (x21 DTRB)
50				14 (x21 DTRA)
				15
				16
				17
				18
6				19 Tx CLK A
40				20 DTR
33				21 Tx CLK B
				22
				23
				24
				25

**B600 FXO Cable**

RJ11 connector:



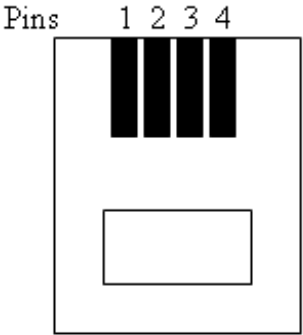
**FXO cable:**

The FXO cable is a 6 feet, 2 ports split cable.  
On Port N and Port N+1 side, pins 1 and 4 are not connected

FXO	PORT N	PORT N+1
1		2
2	2	
3	3	
4		3

**B600 FXS Cable**

RJ11 connector:



**FXS cable:**

The FXS cable is a 6 feet straight cable with only pins 2 and 3 connected.

END 1	END 2
1 = not connected	1 = not connected
2	2
3	3
4 = not connected	4 = not connected

**S514**

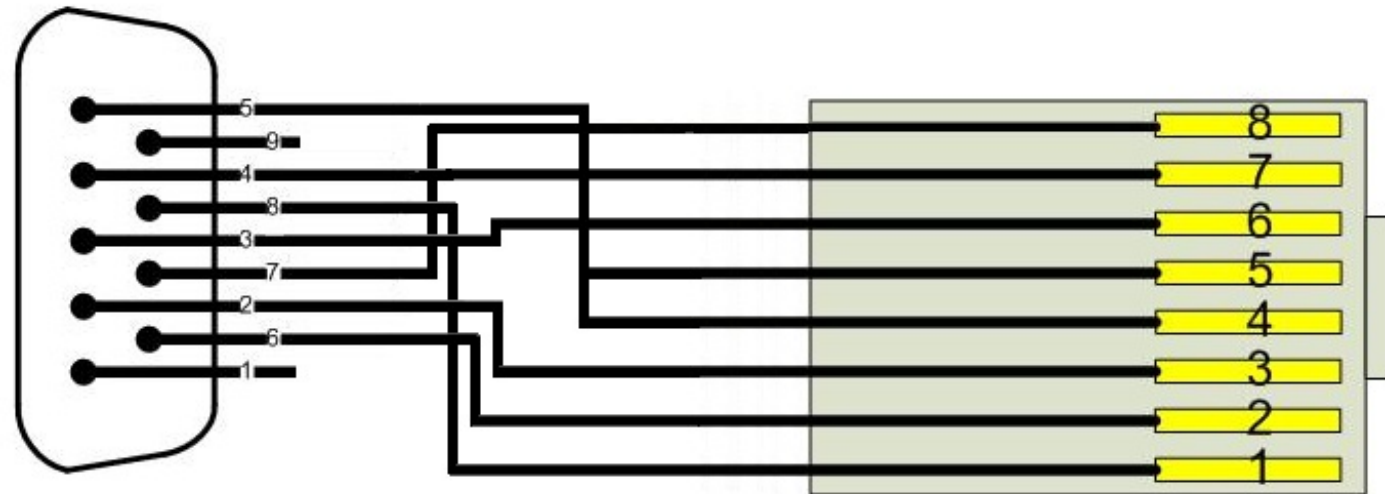
S5141 < --- > (DB35 Male end) 619 Cable (DB 25 Male End) < --- > (DB25-Female end) 602 cable (DB 25 Male end ) < --- > ( need converter to with two Female DB 25 end) < --- >(DB 25 Male end ) 619 cable (DB 37 Male End) < --- >S5141 card.



## Vega Gateway Serial Port Pin-outs

The Vega serial cable consists of a lead with an RJ45 connector on the Vega gateway end and a female 9 way D-Type connector to plug into the PC serial port.

### Serial Cable



### RJ45 <-> 9 way D-Type

1 <-> 8  
2 <-> 6  
3 <-> 2  
4 <-> 5  
5 <-> 5  
6 <-> 3  
7 <-> 4  
8 <-> 7

/p/p

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