



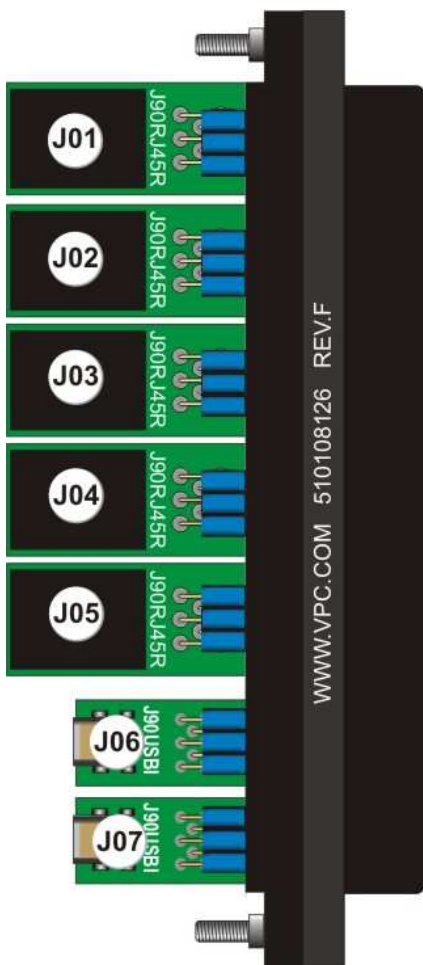
Direct Interfaces to Tripaddle

J90USBI/J90RJ45R

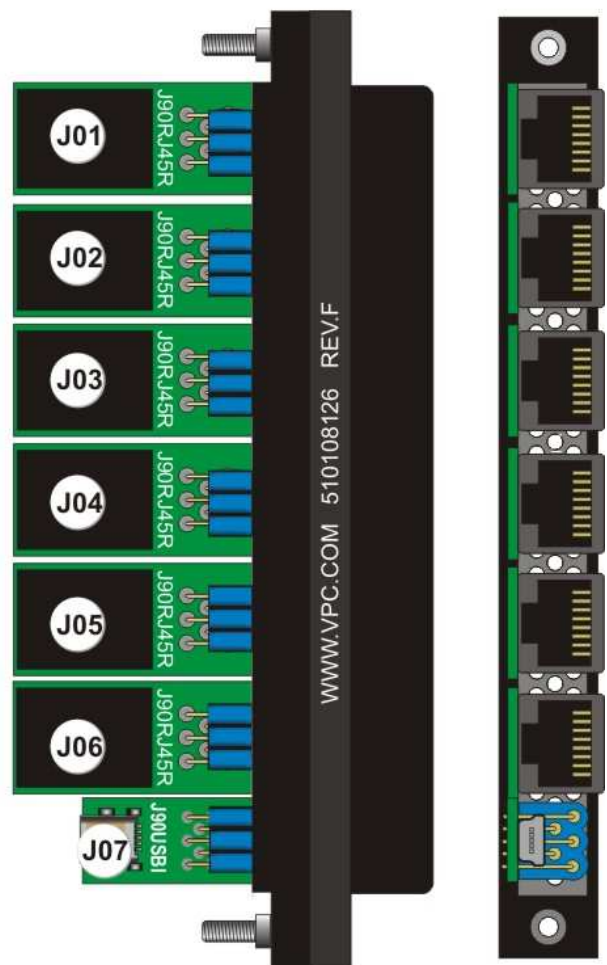
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Created 10/05/09
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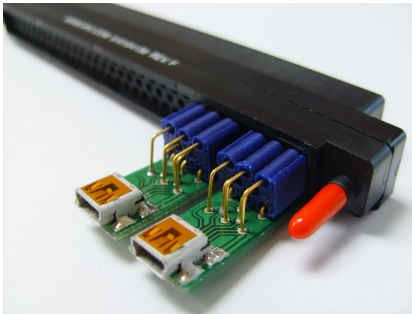
Config. R5U2



Config. R6U1



Product Description



The interface modules simplify the introduction of standard communications into the fixture in a safe way, free of technical surprises.

The module RJ45 can be used for Ethernet 100 BASE T, RS485, RS232, voice over IP or telephone line.

The Mini USB module is specially shielded for transferring high speed data over USB standards.

Ordering Information

	P/N	Maker
Tripaddle module required	510 104 136	Virginia Panel
RJ45 Interface module	J90RJ45R	6tl
Mini USB Interface module	J90USBI	6tl
96 Pin Tripaddle module with configuration R5U2	511010410652	6tl
96 Pin Tripaddle module with configuration R6U1	511010410661	6tl

Technical Data

J90RJ45R Module

Supports Ethernet 100 BASE T and direct interface with National Instruments 4 ports serial communication boards using RJ45.

J90USBI Module USB

Mini USB connector. It is very important to wire the ITA side keeping shielding (Unshielded wires as short as possible)

RJ45 Ethernet 100 Base T Pin assignment

Pin #	Ethernet 100 BASE T	Colour
1	Tx+ (WHT/GRN)	White/Green
2	Tx- (GRN)	Green
3	Rx+ (WHT/ORG)	White/Orange
4		Blue
5		Blue/White
6	Rx- (ORG)	Orange
7		White/Brawn
8		Brawn

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VPC 510104136 Pin #			Module	Related J01...J09 Pin #		Signals (RJ45)		
R	M	L		RJ45	USB	RS232	RS485	100 Base T
1			J01	1		RI ¹	TXD-	Tx+
	33			4		DSR ¹		-
		65		2		CTS	TXD+	Tx-
2				3		RTS		Rx+
	34			5		GND	RXD-	-
		66		6		DTR ¹	RXD+	Rx-
3				7		TXD		-
	35			-		-		-
		67		8		RXD		-
4								
	36							
		68						
5								
	37							
		69						
6			J02	1		RI ¹	TXD-	Tx+
	38			4		DSR ¹		-
		70		2		CTS	TXD+	Tx-
7				3		RTS		Rx+
	39			5		GND	RXD-	-
		71		6		DTR ¹	RXD+	Rx-
8				7		TXD		-
	40			-		-		-
		72		8		RXD		-
9								
	41							
		73						
10								
	42							
		74						
11			J03	1		RI ¹	TXD-	Tx+
	43			4		DSR ¹		-
		75		2		CTS	TXD+	Tx-
12				3		RTS		Rx+
	44			5		GND	RXD-	-
		76		6		DTR ¹	RXD+	Rx-
13				7		TXD		-
	45			-		-		-
		77		8		RXD		-
14								
	46							
		78						
15								
	47							
		79						
16			J04	1		RI ¹	TXD-	Tx+
	48			4		DSR ¹		-
		80		2		CTS	TXD+	Tx-
17				3		RTS		Rx+
	49			5		GND	RXD-	-

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VPC 510104136 Pin #			Module	Related J01...J09 Pin #		Signals (RJ45)		
R	M	L		RJ45	USB	RS232	RS485	100 Base T
		81		6		DTR ¹	RXD+	Rx-
18				7		TXD		-
	50			-		-		-
		82		8		RXD		-
19								
	51							
		83						
20								
	52							
		84				RI ¹	TXD-	Tx+
21				1		DSR ¹		-
	53			4		CTS	TXD+	Tx-
		85	J05	2		RTS		Rx+
22				3		GND	RXD-	-
	54			5		DTR ¹	RXD+	Rx-
		86		6		TXD		-
23				7		-		-
	55			-		RXD		-
		87		8				
24								
	56							
		88						
25								
	57							
		89	J06	1	4/5 GND	RI ¹	TXD-	Tx+
26				4	2 DATA-	DSR ¹		-
	58			2	4/5 GND	CTS	TXD+	Tx-
27		90		3	4/5 GND	RTS		Rx+
	59		5	3 DATA +	GND	RXD-	-	
		91	6	1 +5V	DTR ¹	RXD+	Rx-	
28			7	4/5 GND	TXD		-	
	60		-	-	-		-	
		92	8	4/5 GND	RXD		-	
29								
	61							
		93						
30								
	62		J07	-	4/5 GND			
		94		-	2 DATA-			
31				-	4/5 GND			
	63			-	4/5 GND			
		95	-	3 DATA +				
	64		-	1 +5V				
32			-	4/5 GND				
		96	-	-				
			-	4/5 GND				

- 1- Module position 7 accepts only USB
- 2- Module position 6 can be USB or RJ45

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RS232 DTE Interface to module J90RJ45R

SUB7216

From NI serial communication boards with cable P/N 182845C-xx to Module J90RJ45R

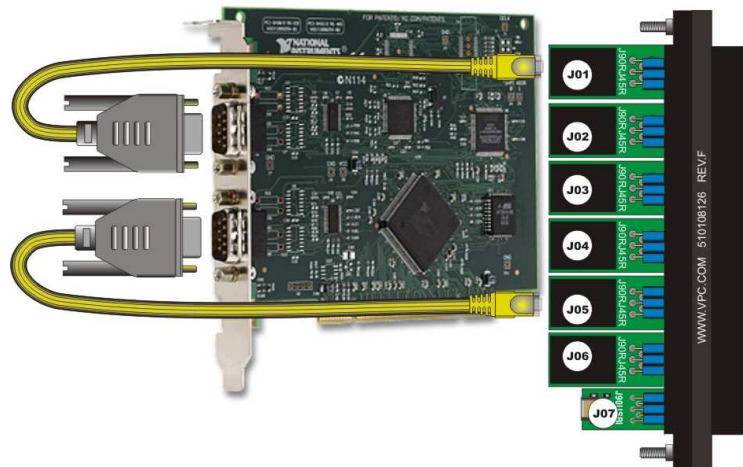
P/N
JJNISxxx
xxx=Length (cm)



Description:
Patchcord cable D-Sub 9 to RJ45 100cm P/N JJNIS100

D-Sub 9f Pin	Name	Cable Color	RJ45 Pin
1	DCD ¹	White/Green	1
2	RXD	Green	2
3	TXD	White/Orange	3
4	DTR ¹	Blue	4
5	GND	Blue/White	5
6	DSR ¹	Orange	6
7	RTS	White/Brawn	7
8	CTS	Brawn	8
9	RI ¹	White/Green	

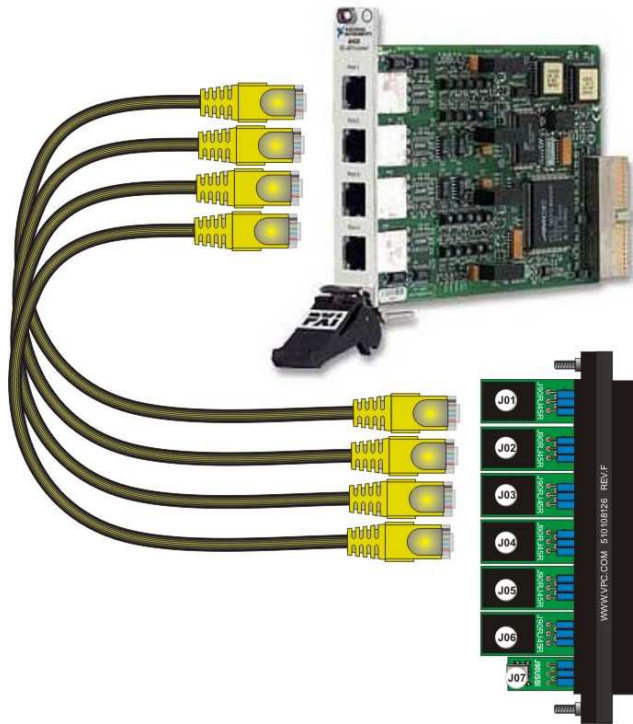
¹ These signals are "Not Connect" on the PCI-232I and PXI-8422



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Direct Interface with 8 wires RJ45 cable P/N JJLAN200



10P10C Jack	Name	Cable Color	RJ45 Pin
1	N.C.		
2	RI ¹	White/Green	1
3	CTS	Green	2
4	RTS	White/Orange	3
5	DSR ¹	Blue	4
6	GND	Blue/White	5
7	DTR ¹	Orange	6
8	TXD	White/Brawn	7
9	RXD	Brawn	8
10	DCD ¹		

¹ These signals are "Not Connect" on the PCI-232I and PXI-8422

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