

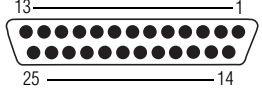

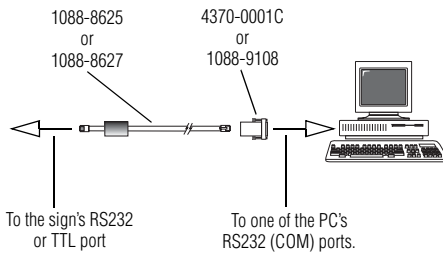

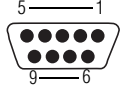



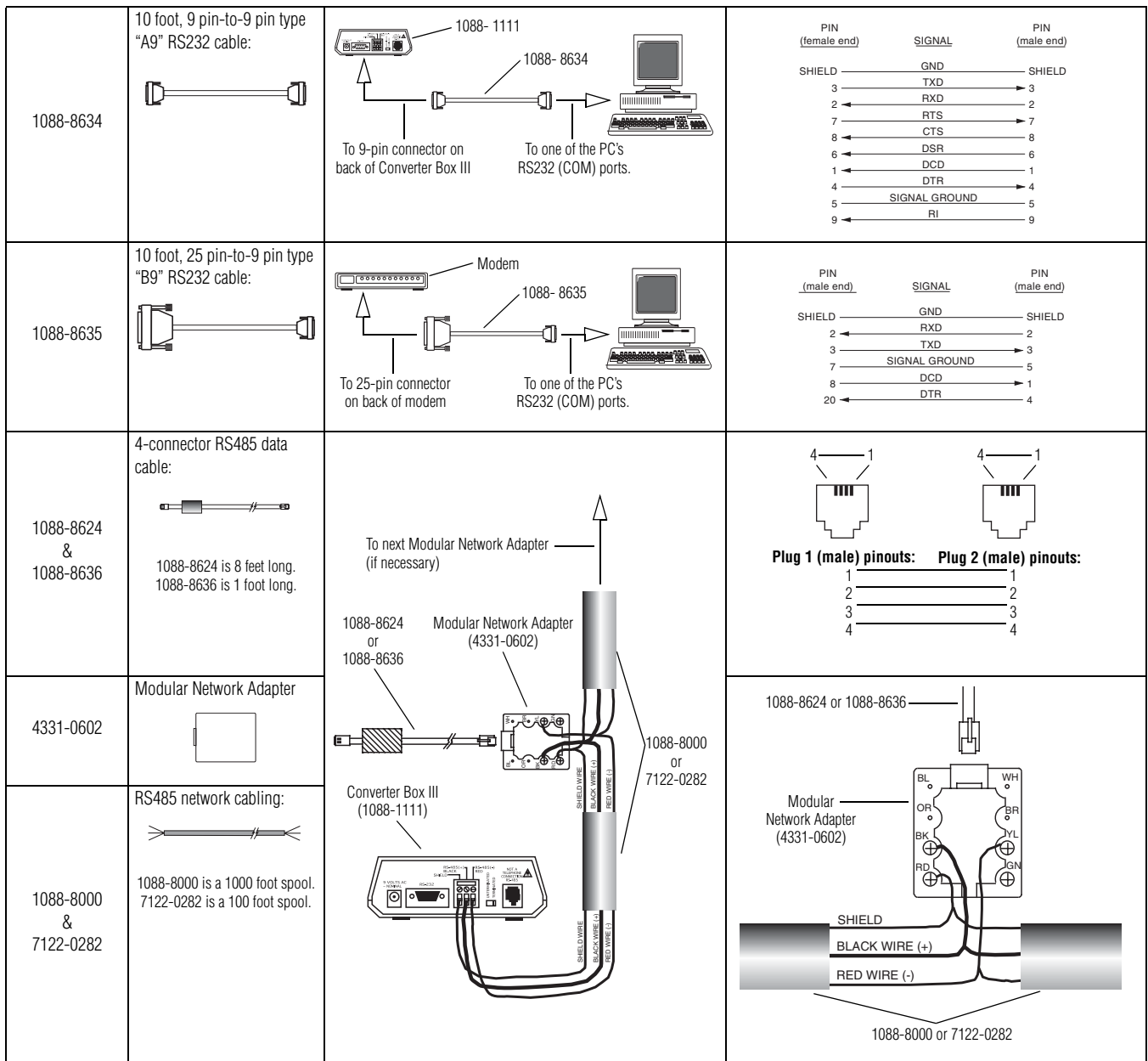


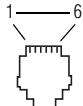

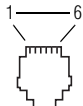
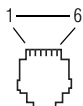
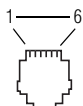


PRIORITY:	Normal
DATE:	October 9, 2002
TITLE:	Network cabling and sign connection pinouts
ECO REFERENCE:	n/a
PRODUCT(S) AFFECTED:	Alpha® signs
SUMMARY:	This document contains a list of common cabling and connectors used to network Alpha® signs. For additional information, see the Networking Alpha Signs manual, pn 9700-0112.


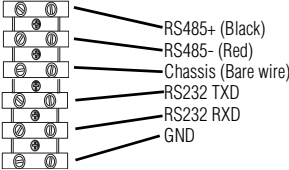
Network cabling pinouts

Part #	Item	Function	Pinout												
4370-0001C	25 pin sub-D / 6 pos. RJ11: 		  <p>RJ11 (female) pinouts: 1 = Signal GND 3 = RXD 4 = TXD</p> <p>25 pin / sub-D (female) pinouts: 2 = TXD 6 = DSR 3 = RXD 7 = Signal GND 4 = RTS 8 = DCD 5 = CTS 20 = DTR</p>												
1088-9108	9 pin sub-D / 6 pos. RJ11: 	 <p>1088-8625 or 1088-8627 4370-0001C or 1088-9108</p> <p>To the sign's RS232 or TTL port To one of the PC's RS232 (COM) ports.</p>	  <p>RJ11 (female) pinouts: 1 = Signal GND 3 = RXD 4 = TXD</p> <p>9 pin / sub-D (female) pinouts: 1 = DCD 5 = Signal GND 2 = RXD 6 = DSR 3 = TXD 7 = RTS 4 = DTR 8 = CTS</p>												
1088-8625 & 1088-8627	6-connector RS232 data cable:  1088-8625 is 25 feet long. 1088-8627 is 50 feet long.		  <p>Plug 1 (male) pinouts: Plug 2 (male) pinouts:</p> <table style="width: 100%; border: none;"> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>3</td><td>3</td></tr> <tr><td>4</td><td>4</td></tr> <tr><td>5</td><td>5</td></tr> <tr><td>6</td><td>6</td></tr> </table>	1	1	2	2	3	3	4	4	5	5	6	6
1	1														
2	2														
3	3														
4	4														
5	5														
6	6														



Sign connector pinouts

Type	Pinout	Sign type																	
		2.1" AlphaVision™	3.2" AlphaVision™	9000 Series	7000 Series	4000 Series	300 Series	200 Series	AlphaVision™ (Full Matrix)	Beta-Brite®	Big Dot®	Director™	Serial Clock	PPD®	Alpha Ticker™	Alpha Vision™ Info Tracker™	Alpha Eclipse™	Alpha® Solar	NEMA 4, 4X, 12
RS485	 <p>Pinouts (female): 1 = No connect 2 = RS485 (+) 3 = No connect 4 = No connect 5 = RS485 (-) 6 = No connect</p>	●	●	●	●	●	●	●	●		●	●	●						
	<p>This connector is inside the sign.</p>  <p>RS485(-) RS485(+) SHIELD</p>																	●	
	 <p>Pinouts (female): 1 = RS485 (-) 2 = RS485 (+) 3 = Shield 4 = RS485 sync (-) 5 = RS485 sync (+) 6 = No connect</p>													●	●				
RS232 / RS485 / TTL	 <p>Pinouts (female): 1 = GND 2 = RS485 (+) 3 = RXD 4 = TXD 5 = RS485 (-) 6 = +5V (200 mA max)</p>	●	●	●	●	●	●	●		●	●	●	●					●	
RS232	 <p>Pinouts (female): 1 = GND 2 = No connect 3 = RXD 4 = TXD (TTL) 5 = No connect 6 = +5V (200 mA max)</p>			●						●									
	<p>This connector is inside the sign.</p>  <p>Fused ISO +5V TXD RXD RS232 GND</p>																	●	
RJ45/Ethernet	 <p>Pinouts (female): 1 = RTS 2 = DTR 3 = TX+ 4 = TX- 5 = RX- 6 = RX+ 7 = DSR 8 = CTS</p>			●										●	●				

Type	Pinout	Sign type																	
		2.1" AlphaVision™	3.2" AlphaVision™	9000 Series	7000 Series	4000 Series	300 Series	200 Series	AlphaVision™ (Full Matrix)	Beta-Brite®	Big Dot®	Director™	Serial Clock	PPD®	Alpha Ticker™	Alpha Vision™ Info Tracker™	Alpha Eclipse™	Alpha® Solar	NEMA 4, 4X, 12
RJ11	 <p>Pinouts (female): 1 = RS485+ 2 = No connect 3 = No connect 4 = RS485-</p>						●							●					
Terminal Block	 <p>RS485+ (Black) RS485- (Red) Chassis (Bare wire) RS232 TXD RS232 RXD GND</p>															●			