



P925E2, extension cable Spacelabs 2Fit

7 Pin connector

Parts

- 1 off cable 24 ins
- 1 off connector Hypertronics 7 pin
- 1 off connector Hypertronics 12 pin
- 2 off link wire awg length 1.5 cms
- 1 off Resistor 47K
- 1 off Heatshrink dia length 2.5cms (1 ins)
- 1 off Glue
- 1 off Lubricant
- 1 off Jig
- 1 off insertion Tool

Construction

7 Pin Connector

- 1. Fit clear heatshrink, collet nut, and collet to cable
- 2. Fit Serial number ; outer housing ; and 2 strain reliefs..
- 3. Strip and tin connectors maximum 2.5 cms . White not used
- 4. Join shield together
- 5. Solder Pins separately and sparingly or they will not fit into the connector sockets.
- 6. Add pins into connector use Jig and insertion tool
- 7. Link wire from Shield to pin 5. NB Shields are too wide to fit into pins
- 8. Use heatshrink to prevent shorting
- 9. Assemble connector and glue

Pin 1 Orange

Pin 2 Red

Pin 3 Blue

Pin 4 Black

Pin 5 Shield + Link

Pin 6 Yellow



12 Pin connector

- 1. Fit collet nut to cable
- 2. Fit collet to cable
- 3. Fit Strain relief to cable
- 4. Strip and tin connectors maximum 2.5 cms
- 5. Join shields with link wire (Green) (not already used)
- 6. Use heatshrink to prevent shorting
- 7. Add pins into connector use Jig and insertion tool

Pin 1 Black

Pin 2 Blue

Pin 3 Shield + 47k Resistor

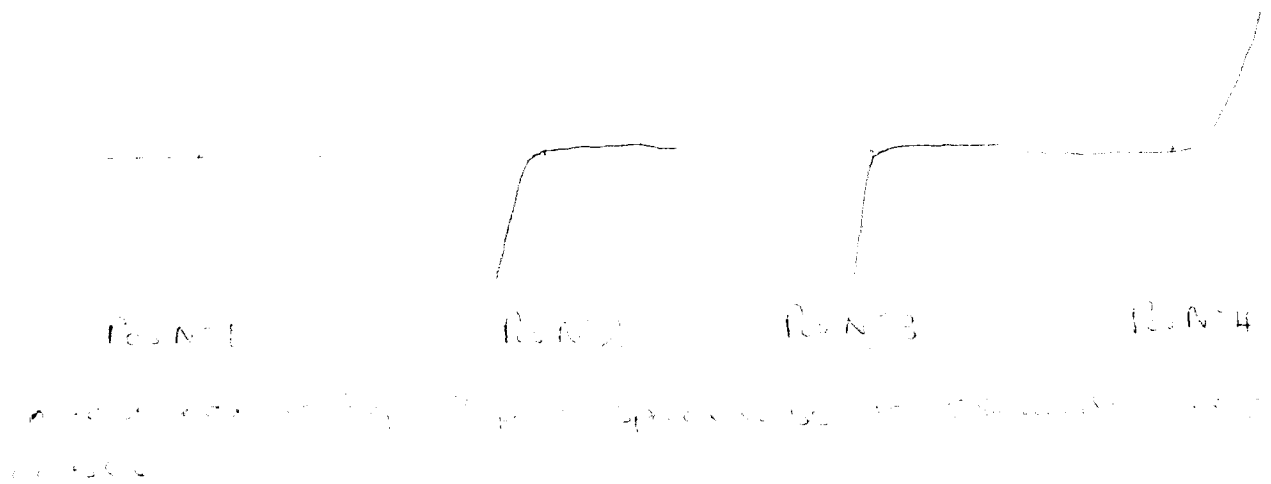
Pin 4 NC

Pin 5 NC

Pin 6 NC
 Pin 7 47K Resistor
 Pin 8 NC
 Pin 9 Red
 Pin 10 Orange
 Pin 11 NC
 Pin 12 Yellow

Test and Final QA

Check continuity
 Fit Serial number



Drawn By	THC
Date	17/2/99
Checked By	THC
Date	17/2/99
Revised By	
Revision Date	
Revision number	



New Information Data Sheet



Extension Cables

Date	22.10.98	Technician	TW
Original Manufacturer	MCI	Original part Number	P92SE2
Work requested by	S. NIXON	Length	24"
Description		Time taken mins	
New part number if required	P92SE2	Photographs	Yes No

Connector manufacturer HYPERTRONICS	Observations on the cable:-						Connector manufacturer HYPERTRONICS
View SOLDER SIDE							View SOLDER SIDE
Connector Diagram	Colour	Pins	Cross wiring diagram	Pin	Colour	Connector Diagram	
no white	BLACK	1		1	ORANGE		
	BLUE	2		2	RED		
	RESISTOR LINK/SHEILD	3		3	BLUE		
		4		4	BLACK		
		5		5	SHEILD LINK		
		6		6	YELLOW		
	RESISTOR	7		7			
		8		8			
	RED	9		9			
	ORANGE	10		10			
		11		11			
	YELLOW	12		12			
		13		13			
		14		14			
		15		15			
		16		16			
Electronic components		Pin	Are there any changes from Viamed records	Pin		Electronic components	
47KΩ RESISTOR		3					
		7					

This diagram has been validated by :

Date

Cable works on original equipment	Cable diagram correct	Components correct	Colours correct
-----------------------------------	-----------------------	--------------------	-----------------

Confidential not for customer use

P925E2 7

2nd Con 7 Pin holes.

fit Serial number

Outer housing x 2

Strain Relief.

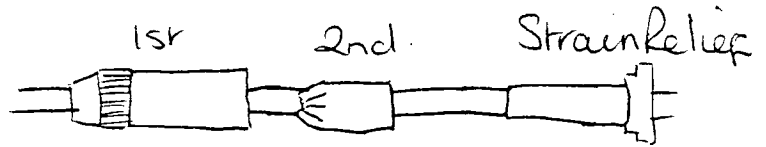
Strip Tin (less 1 inch) Shields together - white off.

fit pins

then con

Link wire ~~to~~ from shield to pin 5 (use heatshrink to stop it shorting)

Screw together + glue.



1sr Con 12 Pin holes.

Fit Strain Relief (use lubricant)

Strip + tin (less 1 inch) white off.

Shields together + link wire (green) (not already used)

Fit pins and 47K resistor, and heat shrink on shields

to stop shorting

Shields + resistor in pin 3.

* After each pin is properly connected, the cable is tested to ensure it is working correctly (using a multimeter).

P925E2 adapter cable Spacelabs 2 ft

7 Pin version

Parts

1 off cable 24 ins

1 off connector Hypertronics 7 pin

1 off connector Hypertronics 12 pin

2 off link wire ~~avg~~ length ~~2.1~~ 1.5 m

1 off Resistor ~~4K7~~ 10K

1 off Heatshrink ~~dia~~ length 1.5 m - 2.0 m

1 off Glue

1 off Lubricant

Jig

Insertion Tool

~~Fit Serial number, outer housing, and 2 strain reliefs.~~

~~Fit Serial number, outer housing, and 2 strain reliefs.~~

Strip and tin connectors maximum 2.5 cms

Join shield together

White not used

Solder Pins separately and sparingly or they will not fit into the connector sockets.

Add pins into connector use Jig and insertion tool

Link wire from Shield to pin 5

Use heatshrink to prevent shorting

Assemble connector and glue

Pin 1 Orange

Pin 2 Red

Pin 3 Blue

Pin 4 Black

Pin 5 Shield + Link

Pin 6 Yellow

12 Pin version

Parts

~~Fit Serial number, outer housing, and 2 strain reliefs.~~

~~Fit Serial number, outer housing, and 2 strain reliefs.~~

~~Fit Serial number, outer housing, and 2 strain reliefs.~~

Fit Strain relief to cable using lubricant

Fit Serial number, outer housing, and 2 strain reliefs.

Strip and tin connectors maximum 2.5 cms

Join shield together with link wire (Green) (not already used)

Add pins into connector use Jig and insertion tool

Use heatshrink to prevent shorting

Pin 1 Black

Pin 2 Blue

Pin 3 Shield + 10K Resistor

Pin 4 NC

Pin 5 NC

Pin 6 NC
Pin 7 $\frac{4}{100k}$ Resistor
Pin 8 NC
Pin 9 Red
Pin 10 Orange
Pin 11 NC
Pin 12 Yellow

Check continuity

Test for continuity across the pins

P925E2 extension cable Spacelabs 2Ft

7 Pin connector

Parts

- 1 off cable 24 ins
- 1 off connector Hypertronics 7 pin
- 1 off connector Hypertronics 12 pin
- 2 off link wire avg length 1.5 cms
- 1 off Resistor 47K
- 1 off Heatshrink dia length 2.5cms (1 ins)
- 1 off Glue
- 1 off Lubricant
- 1 off Jig
- 1 off insertion Tool

Construction

7 Pin Connector

- 1. Fit elec heatshrink, collet nut, and collet to cable
- 2. Fit Serial number : outer housing : and 2 strain reliefs..
- 3. Strip and tin connectors maximum 2.5 cms . White not used
- 4. Join shield together
- 5. Solder Pins separately and sparingly or they will not fit into the connector sockets.
- 6. Add pins into connector use Jig and insertion tool
- 7. Link wire from Shield to pin 5. NB Shields are too wide to fit into pins
- 8. Use heatshrink to prevent shorting
- 9. Assemble connector and glue

- Pin 1 Orange
- Pin 2 Red
- Pin 3 Blue
- Pin 4 Black
- Pin 5 Shield + Link
- Pin 6 Yellow

12 Pin connector

Fit collet nut to cable

Fit collet to cable

Fit Strain relief to cable

Strip and tin connectors maximum 2.5 cms

Join shields with link wire (Green) (not already used)

Use heatshrink to prevent shorting

Add pins into connector use Jig and insertion tool

- Pin 1 Black
- Pin 2 Blue
- Pin 3 Shield + 47k Resistor
- Pin 4 NC
- Pin 5 NC

Pin 6 NC
Pin 7 47K Resistor
Pin 8 NC
Pin 9 Red
Pin 10 Orange
Pin 11 NC
Pin 12 Yellow

Test and Final QA

Check continuity
Fit Serial number

Drawn By	
Date	
Checked By	
Date	
Revised By	
Revision Date	
Revision number	



P963E10 Datascope extension cable

Parts

- 1 off connector DB9
- 1 off connector 8 way DIN
- 1 off cable 10m length
- 1 off resistor 22R
- 1 off resistor 47K
- 1 off heatshrink
- 1 off Tie wrap

Assembly

DB9

- 1. Strip 2.5 cms
- 2. Tin wires
- 3. Heatshrink shields
- 4. Solder to pins
- 5. Fit insert
- 6. Tie wrap and glue
- 7. assemble connector

DIN connector

- 8. Add identification label
- 9. Add connector outer casing to cable
- 10. Add strain relief to cable
- 11. Strip outer cable 2.5cms and tin wires
- 12. Heatshrink shields
- 13. Heatshrink cable
- 14. Wire connector pins
- 15. Fit 22R + resistor (with 47K resistor)

Connector wiring

DB9

- Pin 1 Yellow
- Pin 2 Orange
- Pin 3 Blue
- Pin 4 White
- Pin 5 Black
- Pin 6 Red
- Pin 7 NC
- Pin 8 NC
- Pin 9 Shields
- NO Blue

DIN connector

- Pin 1 Yellow
- Pin 2 22R Red to free end

Pin 3 White
Pin 4 Orange
Pin 5 Shields
Pin 6 Black
Pin 7 47K
Pin 8 47k

Test

Use P863RA probe and Datascope test equipment

Final QA

Drawn By	
Date	
Checked By	258
Date	11/02/99
Revised By	
Revision Date	
Revision number	

[illegible]

Parts

[illegible]

Assembly

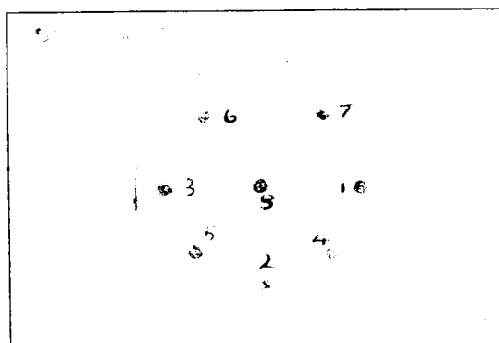
1. a
2. b

Fig. 1

Fig. 2

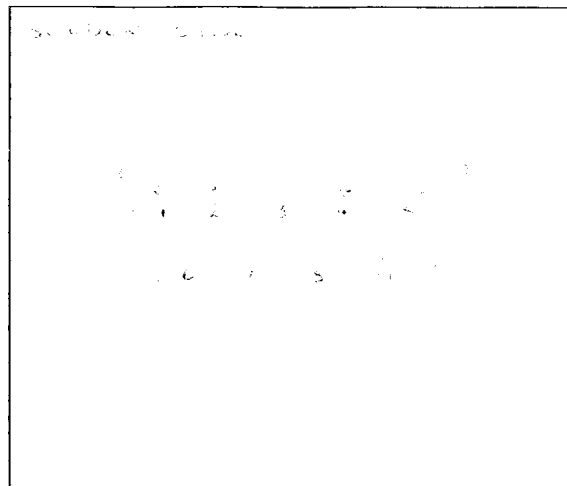
Connector wiring

- Pin 1 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ in. $\times$ 10 in. $\times$ 10 in.
- Pin 2 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ in. $\times$ 10 in. $\times$ 10 in.
- Pin 3 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ in. $\times$ 10 in. $\times$ 10 in.
- Pin 4 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ in. $\times$ 10 in. $\times$ 10 in.
- Pin 5 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ in. $\times$ 10 in. $\times$ 10 in.
- Pin 6 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ in. $\times$ 10 in. $\times$ 10 in.
- Pin 7 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ in. $\times$ 10 in. $\times$ 10 in.
- Pin 8 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ in. $\times$ 10 in. $\times$ 10 in.
- Pin 9 $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ in. $\times$ 10 in. $\times$ 10 in.



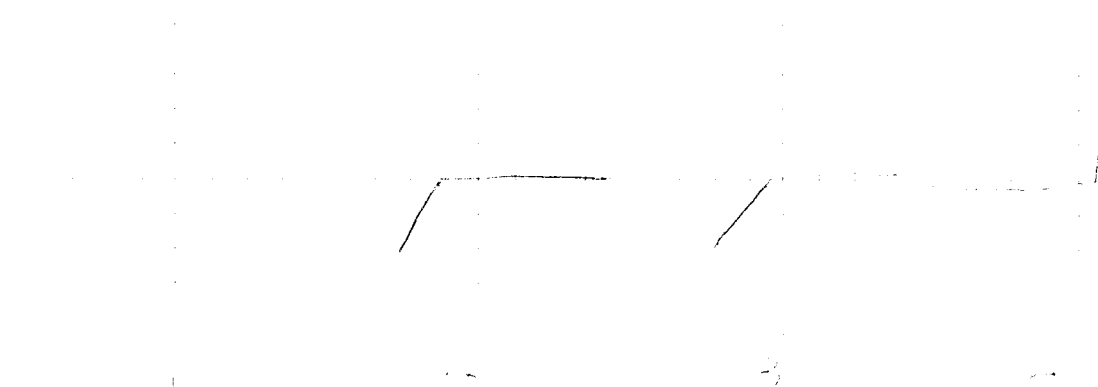
Connector 2 wiring

Pin 1 *Ground*
Pin 2 *Ground*
Pin 3
Pin 4 *Ground*
Pin 5 *Ground*
Pin 6 *Ground*
Pin 7
Pin 8 *Ground*
Pin 9 *Ground*



Test Instructions

Test using Test fixture curve tracer



Drawn BY	
Date	
Checked By	
Date	
Revised By	
Revision Date	
Revision number	

- 1 strip - heat shrink - shields + Brg
 - 2 ~~Shields~~ + pins 1 inch for cable.
 - 3 fit insert NO BLUE
 - 4 tie wrap + glue D. TYPE
- fit together

Fit identification table.

- Plug caseing
- 1 ~~Shields~~ - less inch - heat shrink on shields
 - 2 Strip + tin
 - 3 fit end + resistors
 - 4 7 res hairpin } + heat shrink
 - heat shrink on cable
 - red wire - resistor 22 - heat shrink for solder joint
- fit metal part - grip together

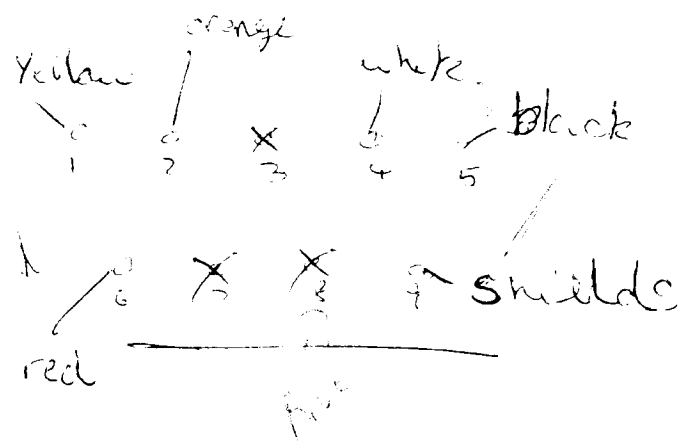
Data scope extension cable.

P963E10

TEST * use P863RA - F 2,3 down - 4 up
+ data scope test equip

P963E10

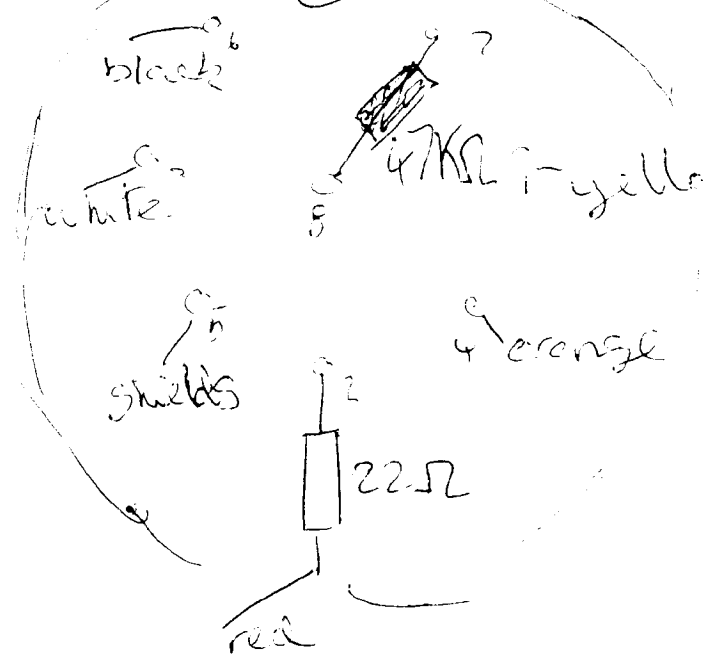
REAR
VIEW



~~NOT BLUE~~

REAR VIEW

Din





Assembly P969E8 Criticare extension cable

Parts

- 1 off Cable 8ft 6 ins (195cms) long
- 1 off connector lemo
- 1 Strain relief
- 2 Cut 2.5 cms so cable can still be gripped
- 3 Cut off Blue (Not used)
- 4 Join Shields and wrap around metal mount. Solder

LEMO Connector

- 5 Lemo Pin 1 Yellow
- 6 Lemo Pin 2 Black
- 7 Lemo Pin 3 White
- 8 Lemo Pin 4 Red
- 9 Lemo Pin 5 Orange

DIN Connector

- 10 DB9 Pin 1 Black
- 11 DB9 Pin 2 Shields
- 12 DB9 Pin 3 No connection
- 13 DB9 Pin 4 Orange
- 14 DB9 Pin 5 Yellow
- 15 DB9 Pin 6 White
- 16 DB9 Pin 7 No connection
- 17 DB9 Pin 8 No connection
- 18 DB9 Pin 9 Red
- 19 Assemble connector wiring must fit into casing
- 20 Indent will lock
- 21 Fit together and tighten with 9 + 10 spanner

Test using P869RA fixture Socket 1-2,3,4 down

~~Criticare Monitor~~

Drawn BY	Yes
Date	11/2/11
Checked By	
Date	
Revised By	
Revision Date	
Revision number	

P969E8 Criticare extension cable Assembly

Parts

- 1 off Cable 8ft 6 ins (195cms) long
- 1 off connector lemo
- off Strain relief

Assembly

- Cut 2.5 cms so cable can still be gripped
- Cut off Blue (Not used)
- Join Shields and wrap around metal mount. Solder

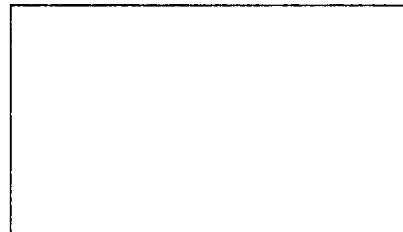
LEMO Connector

- 5 Lemo Pin 1 Yellow
- 6 Lemo Pin 2 Black
- 7 Lemo Pin 3 White
- 8 Lemo Pin 4 Red
- 9 Lemo Pin 5 Orange



DIN Connector

- 10 DB9 Pin 1 Black
- 11 DB9 Pin 2 Shields
- 12 DB9 Pin 3 No connection
- 13 DB9 Pin 4 Orange
- 14 DB9 Pin 5 Yellow
- 15 DB9 Pin 6 White
- 16 DB9 Pin 7 No connection
- 17 DB9 Pin 8 No connection
- 18 DB9 Pin 9 Red
- 19 Assemble connector, wiring must fit into casing
- 20 Indent will lock
- 21 Fit together and tighten with 9 + 10 spanner

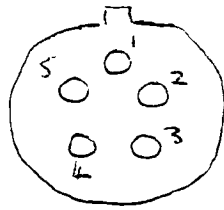


Drawn By	
Date	
Checked By	
Date	
Revised By	
Revision Date	
Revision number	

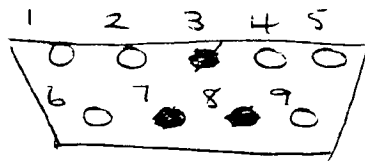
30 min each.

P969E8

- 1 Strain Relief / back con / metal for strain relief /
less than one inch, so cable can still be gripped
- 2 Cut + Tin ~~tin~~ (back to back) short solder ends.
- 3 Braid off
- 4 Shields together - wrap around metal part.
- 5 Solder on pins + holder (already together)



- 1 Yellow
- 2 Black
- 3 white
- 4 Red
- 5 Orange



- 1 black
- 2 shields
- 3 —
- 4 orange
- 5 yellow
- 6 white
- 7 —
- 8 —
- 9 Red

- 6 clip on parts (they fit together
must fit ~~with~~ wire in casing
ident - ident (it will lock)
Fit together ~~8+9~~ 9+10 spanner.

Use P869RA (in socket I, 2, 3, 4 down) and Criticare Machine.

Assembly P969E8 Criticare extension cable

Parts

- 1 off Cable 5 ft. 150 cms long
- 1 off connector Lemo
- 1 Strain relief
- 2 Cut 2.5 cms so cable can still be gripped
- 3 Cut off Blue (Not used)
- 4 Join Shields and wrap around metal mount. Solder
- 5 Lemo Pin 1 Yellow
- 6 Lemo Pin 2 Black
- 7 Lemo Pin 3 White
- 8 Lemo Pin 4 Red
- 9 Lemo Pin 5 Orange
- 10 DB9 Pin 1 Black
- 11 DB9 Pin 2 Shields
- 12 DB9 Pin 3 No connection
- 13 DB9 Pin 4 Orange
- 14 DB9 Pin 5 Yellow
- 15 DB9 Pin 6 White
- 16 DB9 Pin 7 No connection
- 17 DB9 Pin 8 No connection
- 18 DB9 Pin 9 Red
- 19 Assemble connector wiring must fit into casing
- 20 Indent will lock
- 21 Fit together and tighten with 9 + 10 spanner

• Test using P869RA fixture Socket 1, 2, 3, 4, down

Criticare Monitor



P973E10

Datex Extension Cable

Parts

<u>Qty</u>	<u>Description</u>	<u>Part number</u>
1 off	connector	DK1
1 off	Amp 9 way	
1 off	tie wrap	
1 off	heat shrink	

DK1 connector

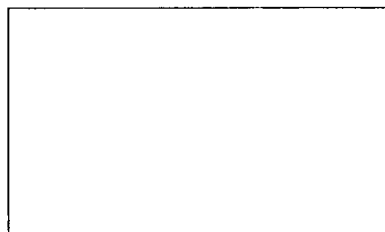
1. Cut (3.1 mtrs) 10 feet of cable, secure with a tie wrap
2. Strip 2.5 cms (1 inch) and tin each wire
3. Fix label approximately 15cms (6 inches) from end of cable
4. Fit cover
5. Twist outer shield with blue & inner shield with black Heat shrink on both
6. Fit Datex pins onto wires (except White) (Silver pins x 5)
7. 20K Resistor + 150pf capacitor make mod. straighten capacitor legs and wrap Resistor around
8. Fit Tie wrap, & glue
9. Assemble casing

Female AMP connector

10. Fit cover
11. Strip (just less than 1 inch) & tin wires
12. Twist Inner shield with Black wire
13. Twist outer shield alone
14. Heat shrink on both
15. Extra heat shrink on Black + Inner shield and White for safety
16. Heat shrink on cable wire
17. Fit Female AMP pins (Gold) x 7
18. Fit to Female AMP
19. Tie wrap and glue
20. Fit Cover

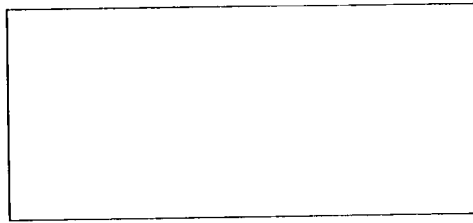
DK1 wiring Diagram

Pin 1	20k and 250pf capacitor
Pin 2	NC
Pin 3	NC
Pin 4	Orange
Pin 5	Outer shield & Blue
Pin 6	Red
pin 7	Yellow
Pin 8	20k and 250pf capacitor & White
Pin 9	Black + Inner shield
Pin 10	N.C.



Amp wiring Diagram

Pin 1 Blue
Pin 2 NC
Pin 3 Yellow
Pin 4 NC
Pin 5 White
Pin 6 Orange
Pin 7 Red
Pin 8 Outer shield
Pin 9 Inner shield + Black



Test

Test using P873RA

Final QA

Drawn By	TW
Date	19/02/99
Checked By	DB
Date	19/02/99
Revised By	
Revision Date	
Revision number	



VIAMED



Type

P473010
~~P873E10~~

Datex extension cable

Parts

Qty Description Part number

Datex connector

20K resistor

150pf capacitor

Assembly

- I. Strip (1 inch) and tin each wire
- II. Cut 10 feet of cable, secure with a tie wrap
- III. Fix label approx 6 inches from end of cable
- IV. Fit cover
- V. Twist outer shield with blue & inner shield with black Heatshrink on both
- VI. Fit Datex pins onto wires (except White) (Silver pins x 5)
- VII. 20K Resistor + 150pf capacitor make mod. straighten capacitor legs and wrap Resistor around
- VIII. Fit into socket Holes 1 & 8
- IX. Orange to pin 4
- X. Outer shield & Blue to pin 5
- XI. Red to pin 6
- XII. Yellow to pin 7
- XIII. White to Pin 8 Mod leg
- XIV. Inner shield & Black to pin 9
- XV. Fit Tie wrap. & glue
- XVI. Assemble casing
- I.

Connector wiring

Pin 1 Resistor + cap

Pin 2 NC

Pin 3 NC

Pin 4 Orange

Pin 5 Outer shield & Blue

Pin 6 Red

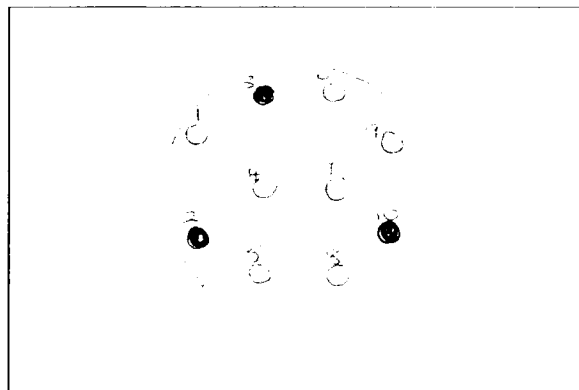
Pin 7 Yellow

Pin 8 Resistor + cap / mod leg

Pin 9 Inner shield & black

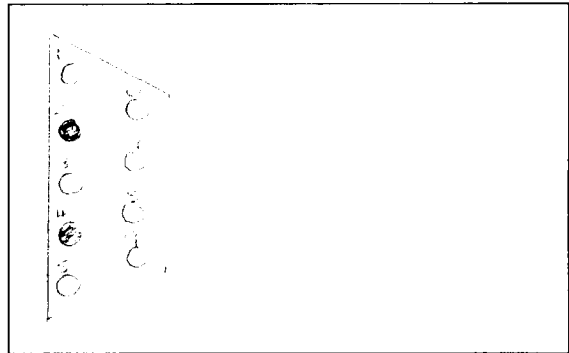
Pin 10 NC

Fit tie wrap & glue
to assemble casing



Connector 2 wiring

Pin 1 Blue
Pin 2 Black
Pin 3 Yellow
Pin 4 Red
Pin 5 ~~White~~ ~~Pin 1~~ ~~Black~~
Pin 6 Orange
Pin 7 Red
Pin 8 Outer shield
Pin 9 Inner shields + Black



• Female AMP connector

- Fit cover
- Strip (just less than 1 inch) & tinn wires
- Twist Inner shield with Black wire
- Twist outer shield alone
- Heatshrink ~~together~~ ~~CH + DC 11V~~
- Extra heatshrink on Black + Innershield and White for safety
- Heatshrink on cable wire
- Fit Fe ,
- < Male AMP pins (Gold) x 7
- Fit to Female AMP
- Fit Tie wrap and glue
- Fit Cover

Test Instructions

Drawn By	TSC
Date	01/2/99
Checked By	JS
Date	
Revised By	
Revision Date	
Revision number	

21

1

Datex Ext Cable P973E10

- 1 Cut 10ft cable, secure with tie-wrap.
- 2 Fit label approx 1 inch ~~from~~ from end of cable
- 3 Fit cover
- 4 Strip (1 inch) and tin each wire;

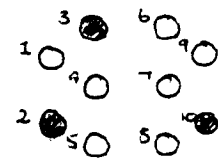
twist outer shield with blue } heat shrink
inner shield with black } on both.

Extra heatshrink on black (+ shield) and white, 1/2 cm will do for extra safety / 1 inch heatshrink on cable.

- 5 Fit datex pins on wires except white (silver x 5)
- 6 (20k resistor + 150pf cap) make mod  straighten cap legs and wrap resistor around

- 7 Fit into socket holes 1 and 8

orange	4
Outersheild+blue	5
red	6
Yellow	7
White	8
Innersheild+black	9



8 to be soldered to mod leg.

- 8 Fit tie wrap + glue
- 9 Fit casing

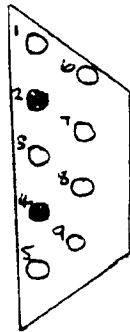
* as the cable is 10ft long, it is 10ft long (10ft)

②

Female Amp

- 1 Fit cover
- 2 Strip (just less than 1 inch) and tin wires
 - twist Innershield with black wire } heatshrink
 - twist outershield alone } on both
 Extra heatshrink on black (+ innershield) and white wire for safety, and on cable wire.
- 3 fit female amp pins (brass) x 7.

fit to female amp Pin 1 Blue



- 3 Yellow
- 5 white
- 6 Orange
- 7 Red
- 8 Outershield
- 9 Innershield + black.

- 4 Fit tie wrap and glue
- 5 Fit cover.

Datex Extension Cable

Cut 10 feet of cable secure with a tie wrap

Fix label approx 6 inches from end of cable ~~date~~

Fit cover

Strip (1 inch) and tin each wire

Twist outer shield with blue & inner shield with black

Heatshrink on both

Fit Datex pins onto wires (except White) (Silver x 5)

20Kohm Resistor + 150pf capacitor make mod. straighten capacitor legs and wrap Resistor around

Fit into socket ~~Holes~~ 1 & 8

Orange to pin 4

Outer shield & Blue to pin 5

Red to pin 6

Yellow to pin 7

White to Pin 8 Mod leg

Inner shield & Black to pin 9

Fit Tie wrap. & gRA-uc

Assemble casing

Test using P873RA

Position 1

Position 4

Female AMP connector

Fit cover

Strip (just less than 1 inch) & tin wires

Twist Inner shield with Black wire

Twist outer shield alone

Heatshrink together

Extra heatshrink on Black + Innershield and White for safety

Heatshrink on cable wire

Fit Fe

male AMP pins (Gold) x 7

Fit to Female AMP

Blue on Pin 1

Yellow on Pin 3

White on Pin 5

Orange on pin 6

Red on pin 7

Outer shield on pin 8

Inner shield + Black on pin 9

Fit Tie wrap and glue

Fit Cover

Test

Test results: All pins are connected correctly

10

1