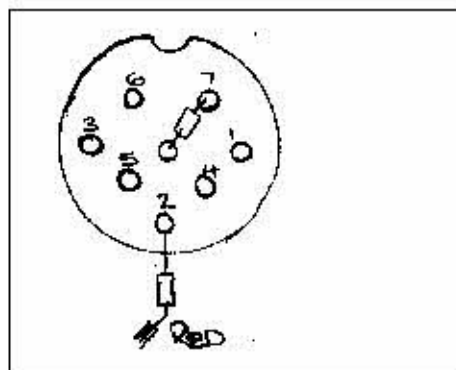


	SpO2 Assembly Instructions			
	19/02/99	P963E10	Issue 1	Ver 1
	11 January 2001	Datascope extension cable	Page2	0f 3

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

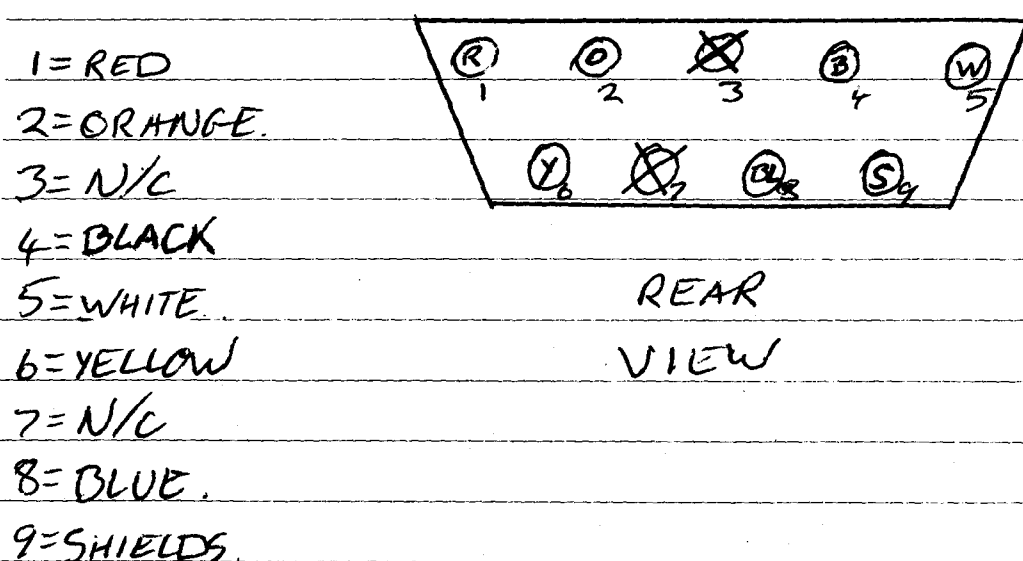
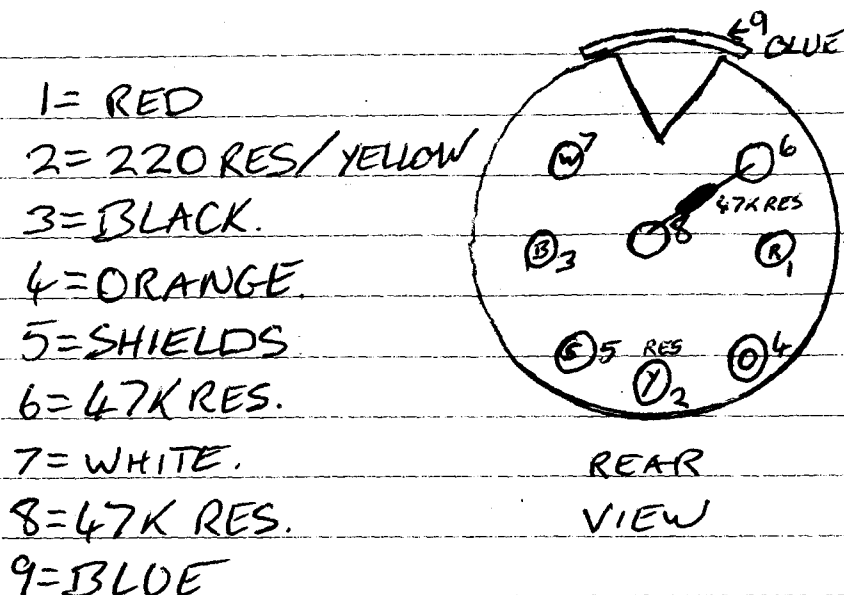
Final QA

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

14/9/01

REVISED DIAGRAM FOR P963E10 DATASCOPE

10' CABLE.





SpO2 Assembly Instructions

19/02/99

P963E10

Issue 1

Ver 1

11 January 2001

Datascope extension cable

Page1

Of 3

Parts

- 1 off connector DB9
- 1 off connector 8 way
- 1 off cable 3.1mtrs (10ft)
- 1 off resistor 22R +/- 5%
- 1 of resistor 47K +/- 5%
- 1 off heat shrink
- 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

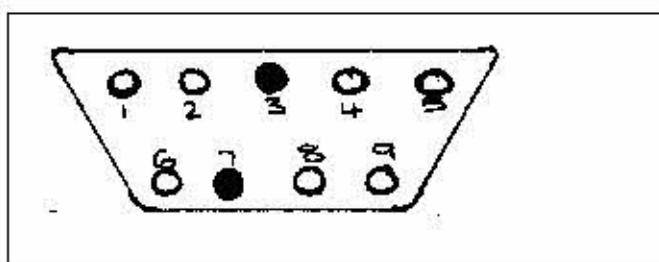
DIN connector

- 8. Add identification label
- 9. Add connector outer casing to cable
- 10. Strip outer cable 2.5cms and tin wires
- 11. Heatshrink shields
- 12. Heatshrink cable
- 13. Fit end + resistors (47K is hairpin) red wire + 22R
- 14. Fit remaining wires to pins
- 15. Fit metal cable grip
- 16. Screw outer casing together

Connector wiring

DB9

- Pin 1 Yellow
- Pin 2 Orange
- Pin 3 N.C
- Pin 4 White
- Pin 5 Black
- Pin 6 Red
- Pin 7 NC
- Pin 8 Blue
- Pin 9 Shields



1/5/00 Extension Cables. 7926E10 (SpaceLabs)

R1 - 60 4K

R2 - 10 K

Strip cable to about 2 inch.

Strip inner shield to same length.

Fasten both shields together.

Cut blue wire off.

Cut rest of wires to 2cm. in length.

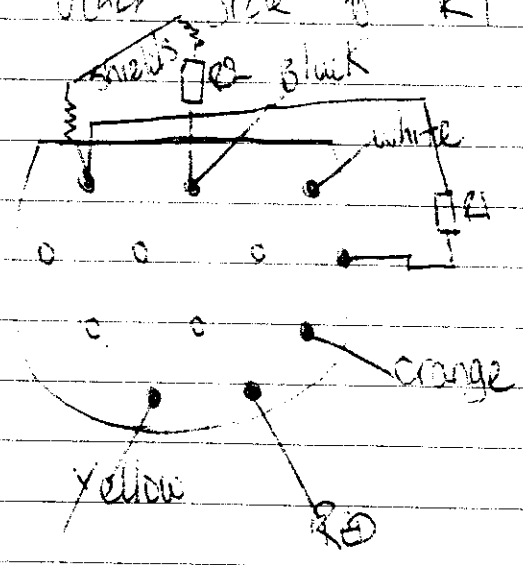
Cut blue wire to 3cm. in both ends.

Add pins to - red, yellow, orange, white wires and both ends of R1.

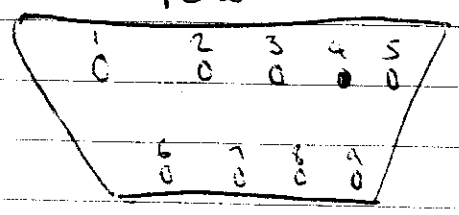
Insert these pins into connector as soon as R2 is attached.

Cut shields down and attach to R2. attach blue as well.

Attach blue other side to R1



Female Connector rear View

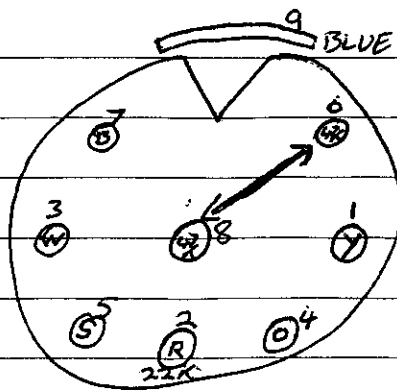


- | | |
|-----------|-------------------|
| 1/ orange | 6/ shield (twist) |
| 2/ red | 7/ shield (twist) |
| 3/ yellow | 8/ n/c |
| 4/ n/c | 9/ Black |
| 5/ white | |

P963 E10 EXTENSION CABLE.

(DATA SCOPE) END.

10' CABLE.



1 = YELLOW

2 = 220 RES - RED

3 = WHITE

4 = ORANGE

5 = SHIELDS.

6 = 47K RES

7 = BLACK.

8 = 47K RES.

9 = BLUE.

D CONNECTOR.

1 = BLACK

2 = WHITE.

3 = N/C

4 = ORANGE

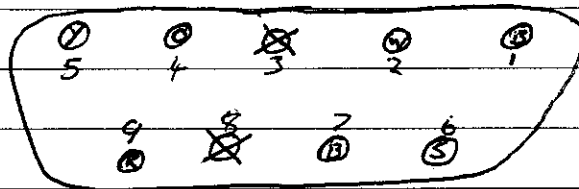
5 = YELLOW

6 = SHIELDS

7 = BLUE.

8 = N/C

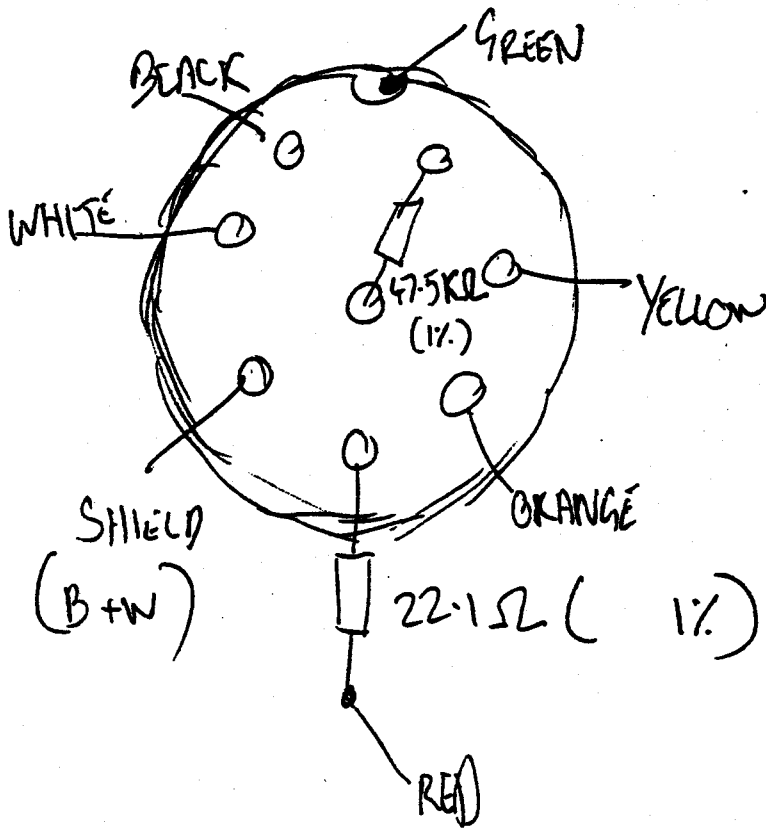
9 = RED.



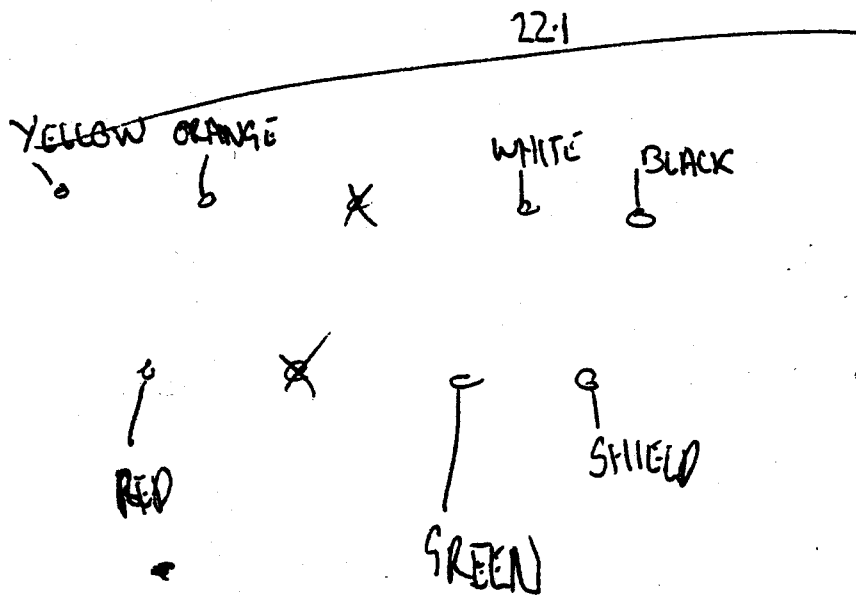
RV

OSCILLOSCOPE ORIGINAL EXT. CABLE:

Signal Side View



RV



MFG
27/1/99

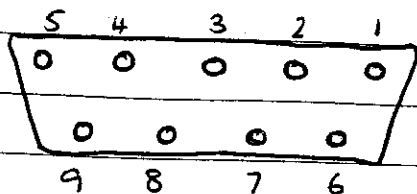
P963E10

P963E10 Datascope intr. cable

from TW's
diagram

also Viamed's Datascope test lead

SOLDER SIDE



1 Black

2 White

3 n/c

4 Orange

5 Yellow

6 Shield

7 Blue

8 n/c

9 Red

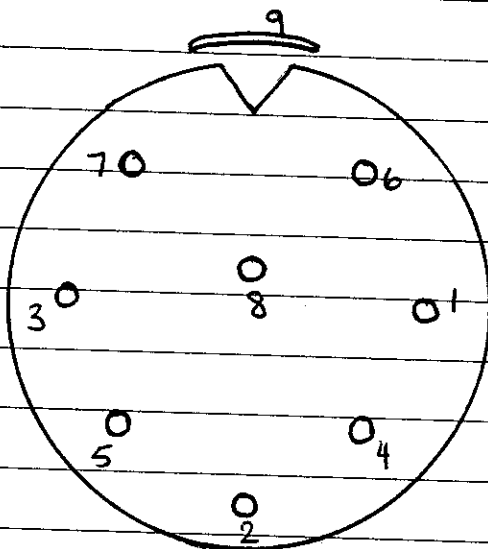
DB

2820

30M

10 dra

SOLDER SIDE



1 Yellow

2 22R - Red

3 White

4 Orange

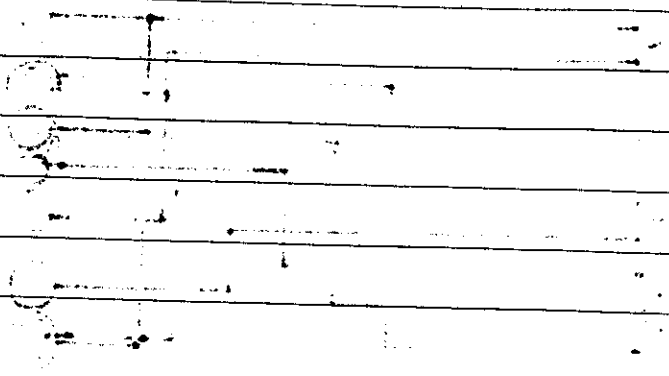
5 Shields

6 ~~47k res~~ 47k res

7 ~~Black~~ Black

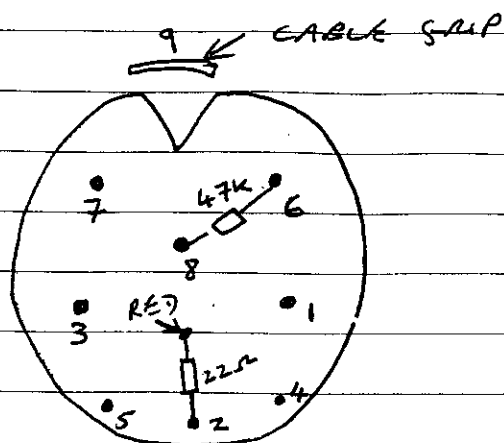
8 47k res

9 Blue



P 963 E10 (DATASCOPE)

- 1/ YELLOW
- 2/ $22\Omega + \text{RED}$.
- 3/ WHITE.
- 4/ ORANGE.
- 5/ SHIELDS
- 6/ ~~47K Ω~~
- 7/ BLACK
- 8/ $47\text{K}\Omega$
- 9/ BLUE.



LEAVE 6, 8, & 5 UNSOLDERED UNTIL SHIELD & RESISTOR ARE INSERTED.

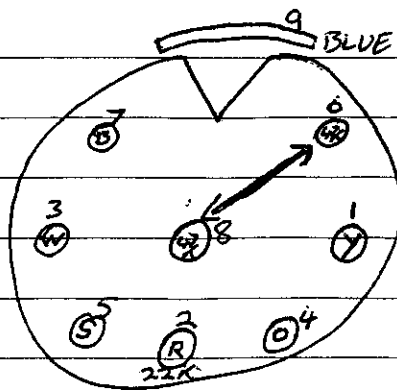
(HEAT SHRINK 47K RESISTOR + RED & 22Ω RESISTOR + SHIELDS)

BLACK, WHITE, YELLOW + ORANGE ALL SAME AS SHIELDS,
TIN ENDS, CUT RED A BIT LONGER TO ATTACH RESISTOR.

P963 E10 EXTENSION CABLE.

(DATA SCOPE) END.

10' CABLE.



1 = YELLOW

2 = 220 RES - RED

3 = WHITE

4 = ORANGE

5 = SHIELDS.

6 = 47K RES

7 = BLACK.

8 = 47K RES.

9 = BLUE.

D CONNECTOR.

1 = BLACK

2 = WHITE.

3 = N/C

4 = ORANGE

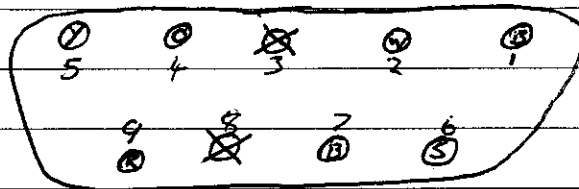
5 = YELLOW

6 = SHIELDS

7 = BLUE.

8 = N/C

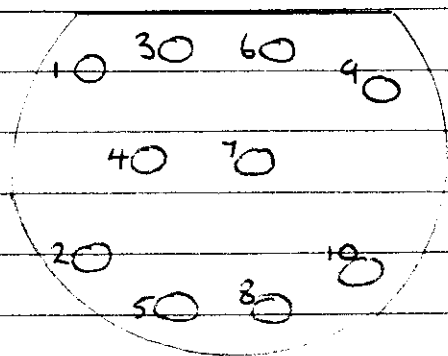
9 = RED.



29.12.00

P973E10 extension (Datex)

17



1- 20k resistor + 150pf capacitor

2- Empty

3- Empty

4- Orange

5- main shield + Blue

6- Red

7- Yellow

8- white + resistor + capacitor

9- Innershield + black

10- Empty.

1- Cut 10ft cable, Heatshrink, place black ring in to grey cover, then put grey cover onto cable.

2- place black cover over cable, Black Heatshrink.

3- Strip outer cable casing.

4- Solder blue wire to the main shield, then cover with black heatshrink.

5- Solder black to innershield, and cover with black heatshrink.

6- Attach 20k res + 150pf cap into same pin

7- Put white into pin along with res + cap

8- Attach red, yellow - orange into pins

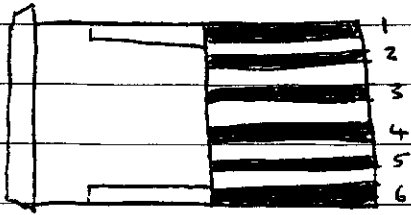
9- place pins in insert as in above diagram

10- Black heatshrink.

11- Screw clamp onto cable covering insert. (Tie cap)

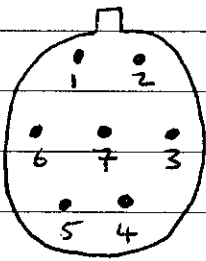
12- Bring cover over clamp + put grey ring on top.

P 991 E10 EXTENSION CABLE (CRITIKON)

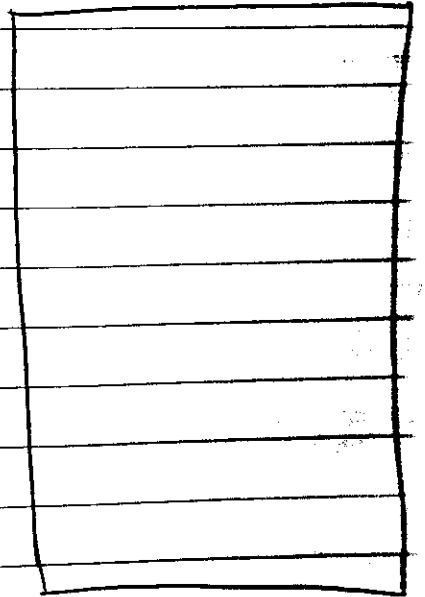


- 1/ RED.
- 2/ YELLOW
- 3/ ORANGE.
- 4/ BLUE.
- 5/ BLACK.
- 6/ WHITE.
- 7/ BOTH SHIELDS.

7 PIN LEMO



- 1/ WHITE.
- 2/ ^{BOTH} SHIELDS
- 3/ YELLOW
- 4/ RED
- 5/ ORANGE
- 6/ BLACK.
- 7/ BLUE.





VIAMED



P963E10

Datascope extension cable

Parts

- 1 off connector DB9
- 1 off connector 8 way DIN
- 1 off cable 10 feet
- 1 off resistor 22R
- 1 of 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

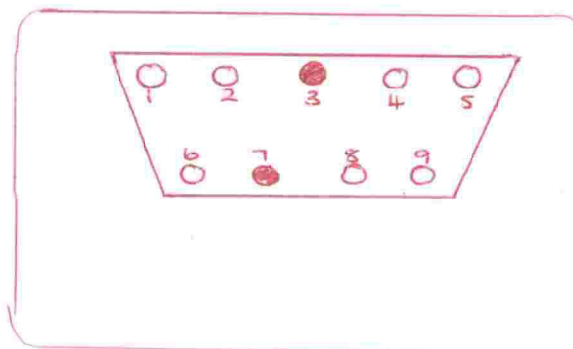
- 8. Add identification label
- 9. Add connector outer casing to cable
- ~~10. Add strain relief to cable~~
- 10 ~~11~~ Strip outer cable 2.5cms and tin wires
- 12 ~~12~~ Heatshrink shields
- 11 ~~13~~ Heatshrink cable
- ~~14. Wire connector pins~~
- 13 ~~14~~ Fit end + resistors (47K is hairpin)
Red wire + resistor (22R) together

- 14 Fit remaining wires to pins
- 15 Fit metal cable grip
- 16 Screw outercasing together.

Connector wiring

DB9

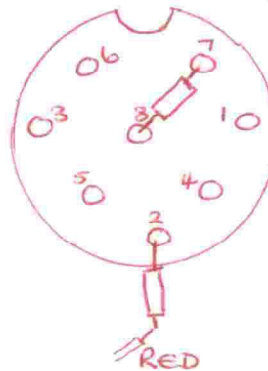
- Pin 1 Yellow
- Pin 2 Orange
- Pin 3 ~~Blue~~ N.C
- Pin 4 White
- Pin 5 Black
- Pin 6 Red
- Pin 7 NC
- Pin 8 ~~NC~~ BLUE
- Pin 9 Shields
- NO Blue



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	TW
Date	19.2.99
Checked By	AB
Date	19.2.99
Revised By	
Revision Date	
Revision number	

New Cable Type P963E10 Extension cable.

Parts

Qty	Description	Part number
1	8-PIN DIN PLUG	CN00057
1	FEMALE AMP PLUG	
1	10.5' LENGTH CABLE	
1	47K $\pm 5\%$ RESISTOR	
1	22R $\pm 5\%$ RESISTOR	
1	METAL STRAIN RELIEF	

Assembly

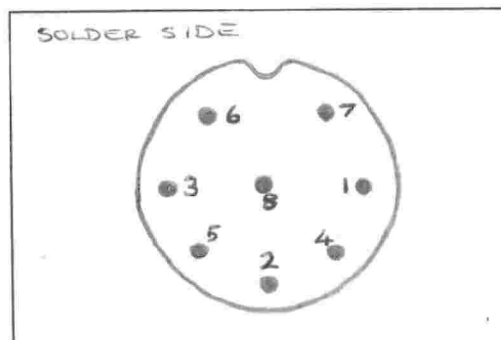
1. a
2. b

Fig 1

Fig 2

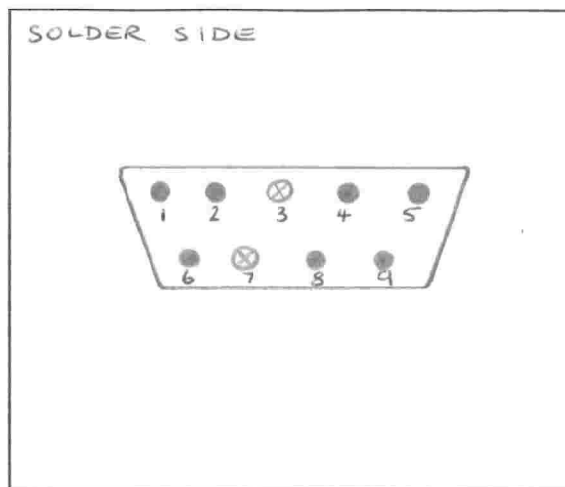
Connector wiring

Pin 1 YELLOW
Pin 2  RED
Pin 3 WHITE
Pin 4 ORANGE
Pin 5 BOTH SHIELDS
Pin 6 BLACK
Pin 7  47K (HAIRPIN)
Pin 8 
Pin 9



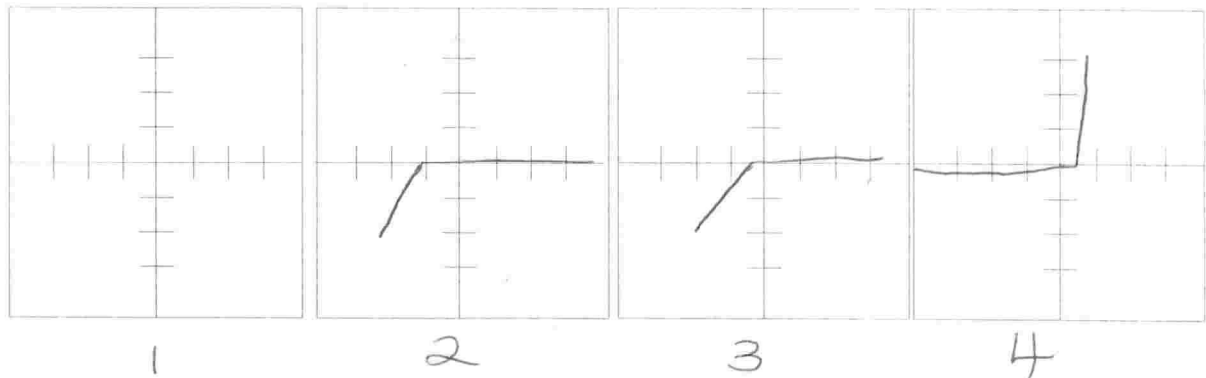
Connector 2 wiring

Pin 1 YELLOW
Pin 2 ORANGE
Pin 3 ———
Pin 4 WHITE
Pin 5 BLACK
Pin 6 RED
Pin 7 ———
Pin 8 BLUE
Pin 9 SHIELDS



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 linch for cable.
- 3 fit insert ~~NO BLUE~~
- 4 tie wrap + glue D TYPE
- fit together

10 min

Fit identification table.

- Plug caseing
- 1 ~~Shields~~ - less linch - 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
 - 02
 - fit metal part - grip together

#30

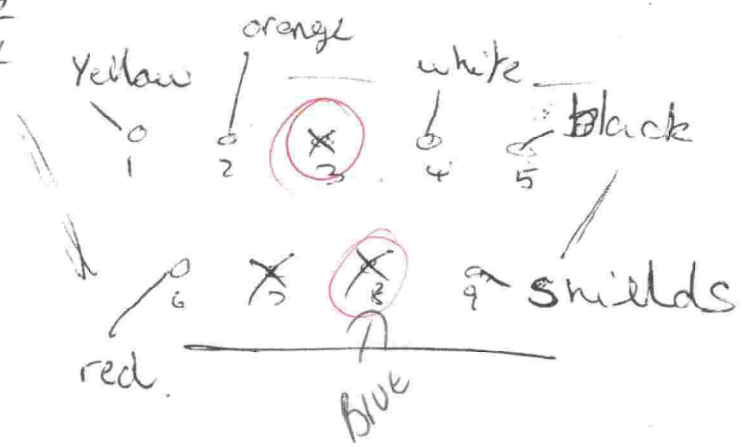
Data scope extension cable.

P963E10

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

~~P863RA~~
~~P863RA~~

PCAR
view



~~NO BEE~~

Rear view

Din

