



HME Limited

ARLINGHAM HOUSE, ST ALBANS ROAD
SOUTH MIMMS, HERTS. EN6 3PH,
ENGLAND

Tel: +44 (0)1707 601 300 Fax: +44 (0)1707 646 250

Fax to: Viamed

Fax No: 01535 635582

FAO: Steve Nixon

Date: January 10, 2001

From: Bill Terry

PAGE 1 OF 3

Dear Steve,

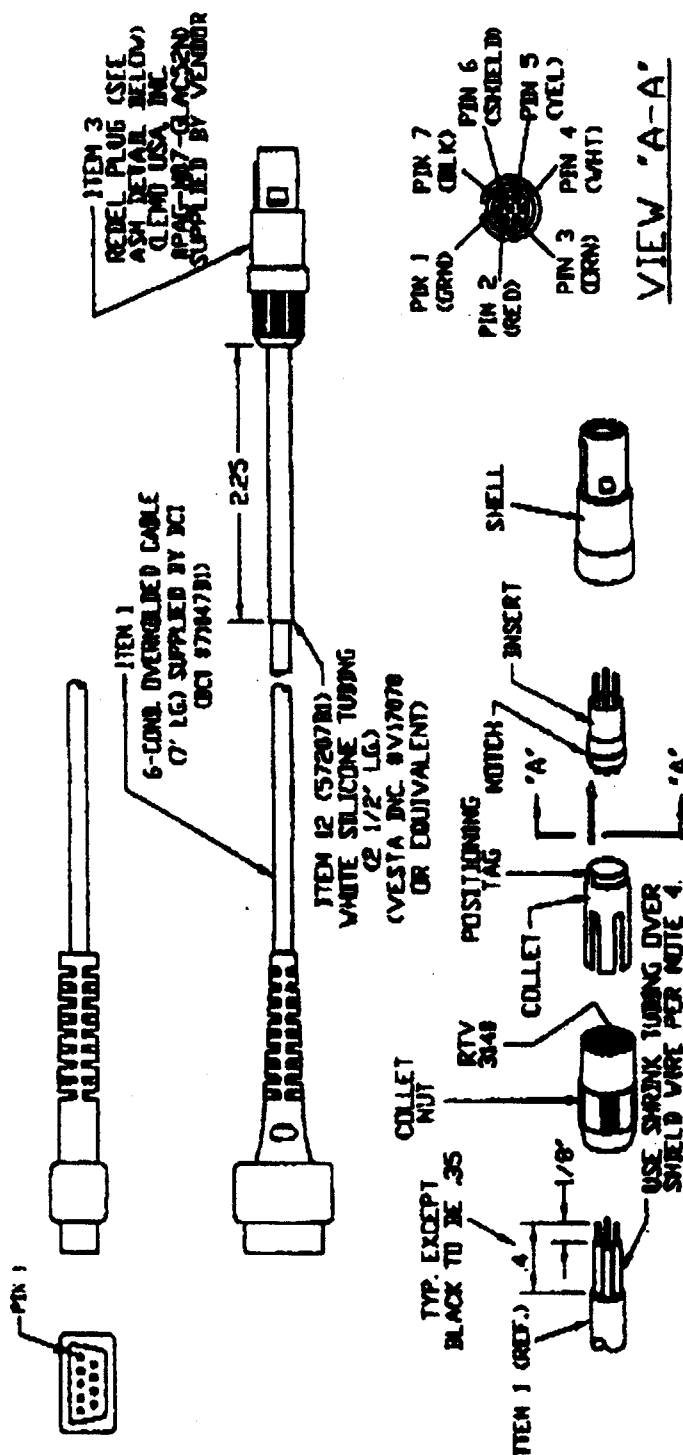
Further to our phone call please find attached the two drawings of the 9 pin "D" connector we need to our Part Number XC 0064.

The note on Drawing 72035B3 states: "Pin 1 and 6 will be jumped together. Pin 6 and 7 will be jumped together and will be connected to the shields at Pin 7"

BUT, we have rung an existing cable through and no jumpers have been used at all !

Regards,

A handwritten signature in black ink, appearing to read 'Bill Terry'.

[illegible]

VIEW "A-A"



BCI INTERNATIONAL

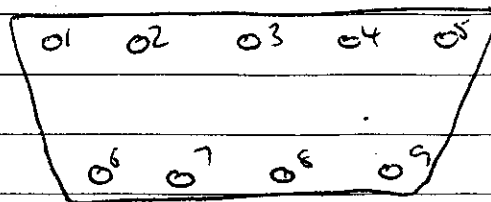
ORIGIN: BTH	DATE: 10-6-89	TIME: NIS	DO NOT SCALE PRINT	DATE: 3-20-90	CHK BY: H.Sonderson	ENG. APPR.: P. Meyer
THIS DOCUMENT CONTAINS CONFIDENTIAL AND/OR PROPRIETARY INFORMATION AND IS NOT TO BE REPRODUCED, DISTRIBUTED OR ENCLOSED WITHOUT THE APPROVAL OF BCS INTERNATIONAL OR ITS EXTERNAL AGENT.				DATE: 2-19-20	DATE: 2-27-90	DATE: 2-19-20
MATERIAL: 75 BURCHMETER				DATE: 2-19-20	DATE: 2-19-20	DATE: 2-19-20
FINISH: WHITE				DATE: 2-19-20	DATE: 2-19-20	DATE: 2-19-20
TITLE: CABLE, DEXMETHRY PATIENT ASM (B31009)				DATE: 2-19-20	DATE: 2-19-20	DATE: 2-19-20
DRAWING NO: 7078631				DATE: 2-19-20	DATE: 2-19-20	DATE: 2-19-20
REV: 6				DATE: 2-19-20	DATE: 2-19-20	DATE: 2-19-20
TOLERANCE UNLESS OTHERWISE SPECIFIED: X0.3 DIA X0.5 ANG X0.125 ±				DATE: 2-19-20	DATE: 2-19-20	DATE: 2-19-20

1. STRIP THE CABLE ACCORDING TO THE LENGTHS GIVEN.
2. TIE THE CONDUCTORS.
3. SLIDE THE COLLET NUT AND THEN THE COLLET ONTO THE CABLE.
4. SLIDE 1/4" PIECE OF 3/16" OD SHROCK TUBING OVER SHIELD CABLE (TO PIN 6) PRIOR TO SOLDERING.
5. SOLDER CONDUCTORS TO CONTACTS MAKING SURE THAT SOLDER AND FLUX DO NOT GET INTO INSERT.
6. APPLY HEAT TO SHROCK TUBING.
7. SLIDE THE COLLET AND TURN IT SO THE POSITIONING TAG LOCATES IN THE NOTCH ON THE INSERT.
8. APPLY RTV 3040 (CICI P/N 5737781) TO THE INSIDE THREADS OF THE COLLET NUT.
9. SLIDE THE COLLET NUT ONTO COLLET AND INTRODUCE THIS ASSEMBLY INTO THE SHELL TURNING IT UNTIL THE POSITIONING TAG GOES IN THE INSIDE NOTCH OF THE SHELL.
10. SCREW ON THE COLLET NUT.
11. TEST FINISHED CABLE FOR CONTINUITY.

ITEM 3 ASSEMBLY DETAIL

BCI - Nellcor extension

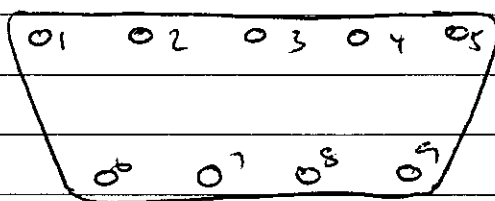
male end - RV



- 1 Black 6 White
- 2 n/c 7 n/c
- 3 Yellow 8 OS
- 4 Red 9 length + 15
- 5 Resistor

THIS DOES NOT WORK

female end - RV



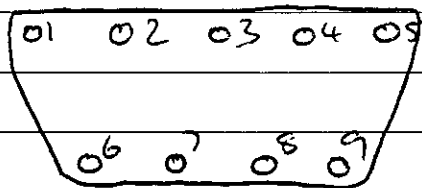
- 1 n/c 6 IS
- 2 Red 7 OS
- 3 Yellow 8 n/c
- 4 n/c 9 White
- 5 Black

BCI - Nellcor extension cable

USING VIAMED STOCK PSS8RA CABLES

P/N 0018587

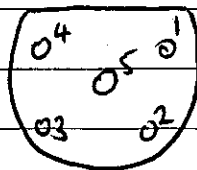
Female end - RV



- 1 n/c
- 2 Yellow
- 3 Red
- 4 n/c
- 5 White
- 6 ~~black shield~~ NC
- 7 Outer shield
- 8 n/c
- 9 Black

This works

PSS9RA with male conn. - PRELIM try! for evaluation by customer

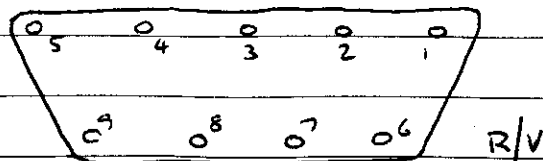


- 1 Yellow
- 2 Red
- 3 Black
- 4 White
- 5 Shields

P871RA
for stock
6100
013

CONVERTING FROM P861RA USING 0010750 CONNECTOR

DB1



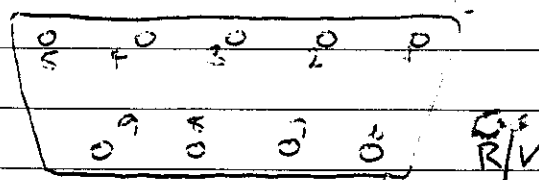
from MFC
original
Diagram

- 1 N/C
- 2 yellow
- 3 Red
- 4 N/C
- 5 white
- 6 Both Shields } twist together, then separate
- 7 Both Shields }
- 8 N/C
- 9 Black

Done
short probe
2-1-00
DB

USING Vanned replacement cable

used per
original
probe/P873



- 1 Link
- 2 N/C
- 3 yellow (LED)
- 4 CI + RI
- 5 CI + RI + white (sensor)
- 6 Link
- 7 Red + main shield (LED)
- 8 N/C
- 9 Inner shield + black

NB. This is also the wiring of a batch of 10 MC-P873-CAB
equivalent service cables, made on 2-2-00 - BVS

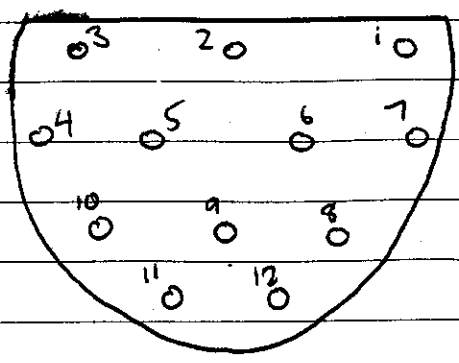
P8574A

solder/insertion side

DB

31-1-00

from original
MCU P8571A
also using
producers
test table



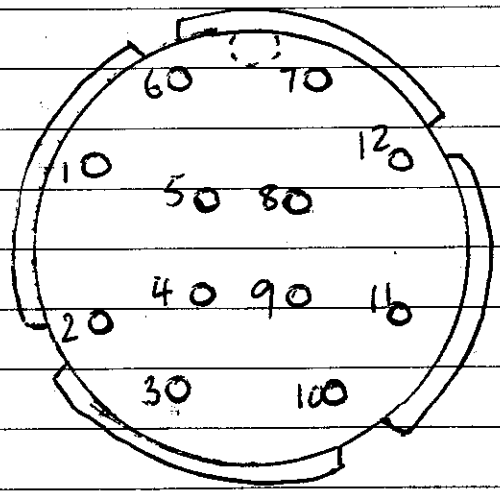
- 1 White
- 2 Black
- 3 Shield
- 4 n/c
- 5 n/c
- 6 n/c
- 7 62k
- 8 7.5k
- 9 n/c
- 10 n/c
- 11 Red
- 12 Yellow

1 hr
draw
for
stock

P85512A

10 2 00

converting
from
P85511A

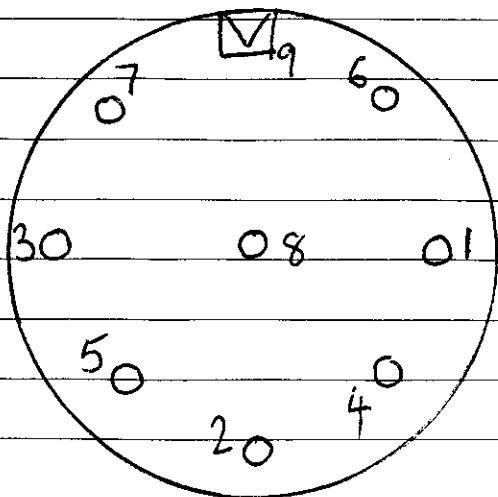


- 1 2k2Ω
- 2 2k2Ω + White
- 3 n/c
- 4 Black
- 5 n/c
- 6 n/c
- 7 n/c
- 8 Yellow
- 9 n/c
- 10 3k3Ω
- 11 n/c
- 12 Red + 3k3Ω

DB
1/2 hr
to draw
for
stock

NB PIN NO'S NOT MARKED ON HOUSING,
FOR REFERENCE ONLY

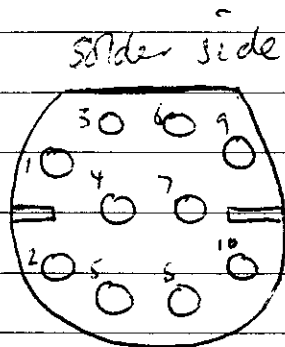
08642A
white
remoulded
connector)



- 1 Yellow
- 2 22Ω red
- 3 White
- 4 Orange
- 5 Main shield
- 6 47k
- 7 Black
- 8 47k
- 9 (MAIN BODY) Inner Shield

06
S/N
9F2028C

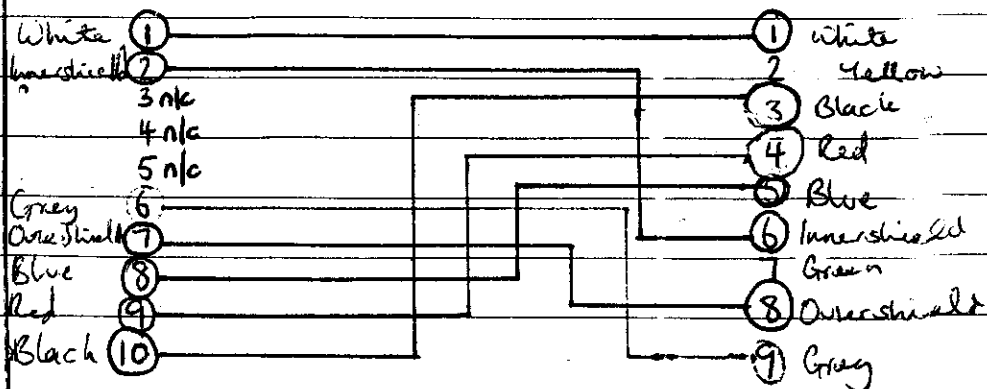
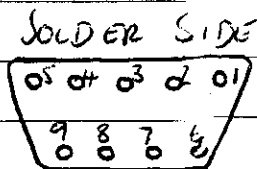
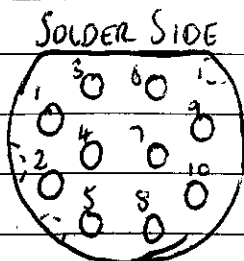
E412-09
Epic Data
white parts



- 1 resistor + capacitor
- 2 n/c
- 3 n/c
- 4 link
- 5 link + Outer shield
- 6 Red
- 7 Yellow
- 8 res + cap + white
- 9 Black + inner shield
- 10 n/c

resistor - 16k

connector
↓
S&W
extr.
cable



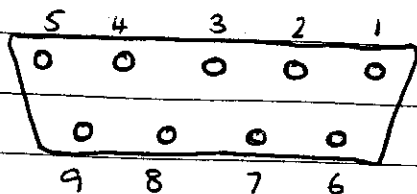
P963E10

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

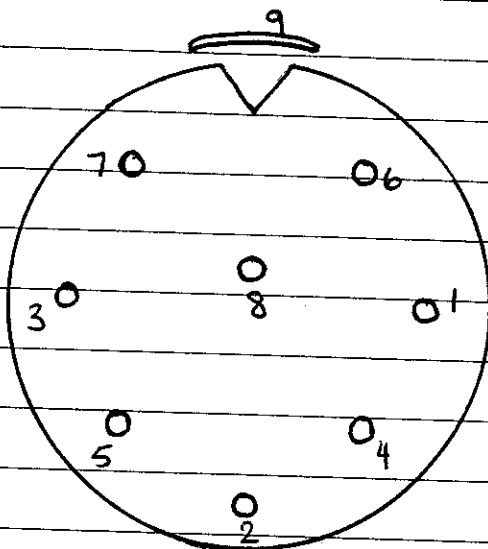
DB

282c

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

RETURNING SpO₂ PROBES TO: MCI

UDT

OSM

FIND PROBLEM WITH PROBES, FILL IN VIAMED W/SHEET. Fail probes in stock book.

WRITE RETURNS LETTER (mciret) on WordPro97, giving details of p/no's, s/no's, and a brief description of fault. Remove all Viamed (DONOT THROW, CE, PINOCABER) labels from probe.

Fax letter to MCI - wait for return numbers.

When Return's no. has been received, find all the probes that that number refers to, and bag up neatly in probe bags (up to 10 in each bag). Each worksheet may have several return numbers, indeed each worksheet may have probes destined for two different companies.

Write a commercial invoice for each shipment, giving details of all return's no's in that shipment (OSMcomminv/UDTcomminv) on Wordpro 97, also giving quantities and part no's (serial no's are not necessary). * Put also the method of shipment (usually UPS Express Pak) and the weight of the whole package (weigh all the probes, then add 0.3kg (ish) to that weight to find approximate total weight). Print 1 x copy, copy 5 x times, INDIVIDUALLY SIGN EACH COPY.

* also put value for customs purposes, which is \$ USD\$10 for each probe so for 12 probes = USD\$120.

1x GOODS RETURNS NOTE

1x copy of Commercial Invoice

1x copy of all Returns correspondence from company

1x copy of all correspondence sent from Viaimed
(CMA request)

Blue copies of worksheet

ALL GO IN GOODS RETURNED FILE

Yellow copies of worksheet + All probes
GO IN PACKAGE

5x copies of commercial invoice

1x UPS way bill (filled in as in example below)

GO IN CMAA DELIVERY NOTES ENVELOPE

(DO NOT SEAL)

White + Pink copies of w/sheet

GO TO LISA

Fill in returns section in RED

Wa	Date	SR N	Ret
Y	Date of Shipment	W/S No	Y

REF NO'S ACC RETURNS NO'S

SEE INSTRUCTIONS
ON BACK

ITEMS PRINTED IN RED ARE ONLY APPLICABLE
FOR INTERNATIONAL SHIPMENTS

SHIPPER'S UPS ACCOUNT NO. 9W9-638		SHIPPER'S V.A.T. NO. 287389593	
NAME OF SENDER D. BOLDY		TELEPHONE NO. (Very Important) 44-015356-34542	
COMPANY NAME AND ADDRESS VIANED LTD 15 STATION ROAD CROSSHILLS			
POSTAL CODE (Very Important) KEIGHLEY			
COUNTRY GB			
RECEIVER'S UPS ACCOUNT NO. BD207DT		RECEIVER'S V.A.T. Notification No. For Customs Purposes	
CONTACT PERSON JACK FIMARO		TELEPHONE NO. (Very Important) 001 310978 0516	
COMPANY NAME AND ADDRESS UPT. SENSORS 12525 CHADRON AVENUE HAWTHORNE		COUNTRY USA	
POSTAL CODE (Very Important) CA 90250			
3. PAYMENT OF CHARGES (Select One Option Only) I			
☒ Bill Shipper's UPS Account	☐ Bill Receiver's UPS Account	☐ Bill Third Party's UPS Account	☐ Bill Shipper Must Have UPS Account
☐ Bill Shipper's UPS Account	☐ Bill Receiver's UPS Account	☐ Bill Third Party's UPS Account	☐ Bill Shipper Must Have UPS Account
CREDIT CARD NO. _____ EXPIRY DATE _____			
4. THIRD PARTY INFORMATION (Required For Bill Third Party Option)			
UPS ACCOUNT NO. _____		COUNTRY _____	
COMPANY NAME _____			

I. Required for Standard shipments when the Bill Receiver option is selected in Section 3.
II. Some options not available to all destinations.
III. Available for shipments to certain destinations outside the EU. See instructions.



W832 054 364 2
WAYBILL / TRACKING NUMBER



WAYBILL
(Non-Negotiable)

5. SERVICE LEVEL II	MARK "X"	UPS USE
Express Plus	☐	1+
Express PAK	☒	1
Expedited	☐	2
Standard	☐	

7. OPTIONAL SERVICES (See instructions)	SHIPPER'S SIGNATURE
☐ SATURDAY DELIVERY ¹	09/03/00
SPECIAL INSTRUCTIONS	

8. SHIPMENT INFORMATION		TOTAL ACTUAL WEIGHT		TOTAL DIMENSIONAL WEIGHT (If Applicable)	
No. Of Packages In Shipment 1		2 kg		427.1 kg	
DECLARED VALUE FOR INSURANCE Specify value (EU only) or currency USD \$340-00		UPS EXPRESS Envelope		DOCUMENTS ONLY ²	
REFERENCE NO. 1 (OPTIONAL) 1427014271142724		REFERENCE NO. 2 (OPTIONAL)		DOCUMENTS ONLY ²	
DESCRIPTION OF GOODS ALUSE OXIMETER		Mark "X" if shipment only contains commercial value		Mark "X" if Goods Not In Free Circulation In The EU	
PROBES		☐		☐	

8. DATE OF SHIPMENT		SHIPPER'S SIGNATURE	
09/03/00		09/03/00	
The shipper agrees to the UPS Terms and Conditions set out on the reverse of the Shipper's Copy of the Waybill. Unless a greater value for insurance is declared on the Waybill, the Warsaw Convention or the CMR Convention may apply and limit UPS liability. The shipper authorizes UPS to act as forwarding agent for export control and customs purposes.			
UPS USE		RECEIVED FOR UPS BY	
		DATE	
		TIME	
NO. OF PACKAGES FOR WHICH THE ADDITIONAL HANDLING CHARGE APPLIES			
AMOUNT RECEIVED CURRENCY		CASH	
OTHER INFORMATION			

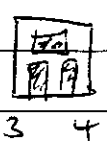
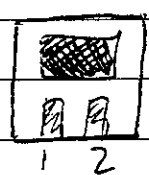
IV. Euro is only available in EMU countries, and only from 1/1/99. If no currency is stated, the origin country's currency (not the euro) will be the default selection.
V. Not required for Standard shipments

SHIPPER'S COPY

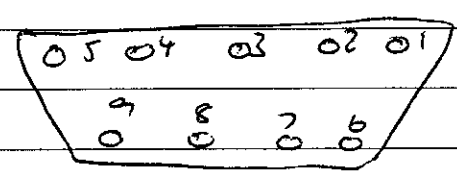
P877RA from raw parts latest version 14/3/00

PDB-C165

PDI-E833



- 1 White
- 2 Black
- 3 Red
- 4 Yellow

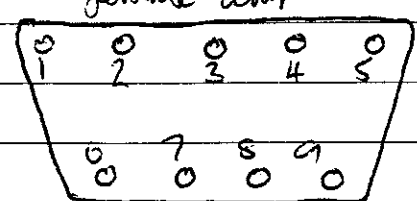


- 1 Black
- 2 Inner shield
- 3 Outer shield
- 4 Yellow
- 5 Red
- 6 White
- 7 n/c
- 8 n/c
- 9 n/c

P877RA cable tester

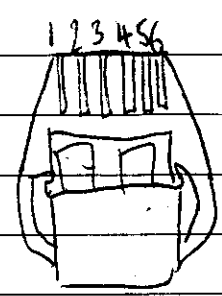
Plan View

female comp



- 1 Black
- 2 Blue (replacing inner shield)
- 3 Orange (replacing outer shield)
- 4 Yellow
- 5 Red
- 6 White
- 7 n/c
- 8 n/c
- 9 n/c

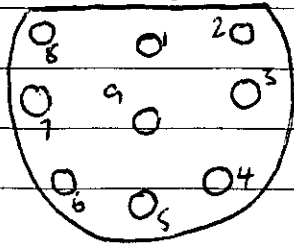
Stewart connected contact side up.



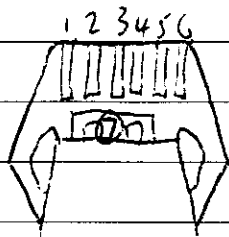
- 1 Yellow
- 2 Orange
- 3 Red
- 4 Blue
- 5 Black
- 6 White

on hand held test box - numbers 1-6 will light individually when switched - no 7 has no light

Reverse view hypertronics socket



- 1 Blue (replacing Shield)
- 2 Red
- 3 Yellow
- 4 Orange (replacing resistor)
- 5 n/c
- 6 Black
- 7 White
- 8 n/c
- 9 Shields



- 1 Yellow
- 2 Orange
- 3 Red
- 4 Blue
- 5 Black
- 6 White
- 7 Shields

In hand held test box

When switch is turned to posn ① ; ① lights

When switch is turned to posn ② ; ① lights (a little brighter)

When switch is turned to posn ③ ; ③ lights

When switch is turned to posn ④ ; ④ + ⑦ light

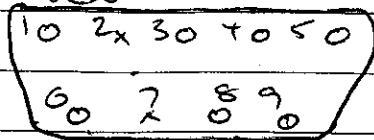
When switch is turned to posn ⑤ ; ⑤ lights

When switch is turned to posn ⑥ ; ⑥ lights

When switch is turned to posn ⑦ ; ④ + ⑦ light

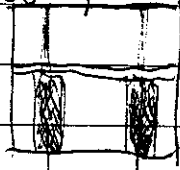
Pacotech 9-pin D

rear view



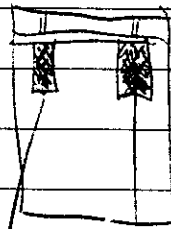
- 1 White
- 2 n/c
- 3 Orange
- + Red
- 5 Shield
- 6 Black
- 7 n/c
- 8 Shield
- 9 Shield

Led face down



Orange Red

!cnsr face down



Black White

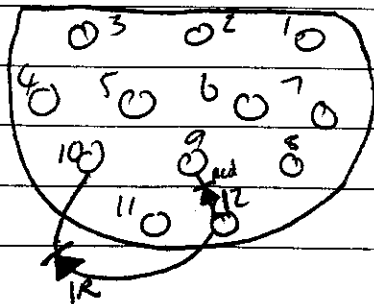
P8764A

drawn for s/no. 9H20066

- 1 White
- 2 Black
- 3 47k + shield
- 4 n/c
- 5 n/c
- 6 n/c
- 7 47k
- 8 n/c
- 9 Red
- 10 Yellow
- 11 n/c
- 12 Orange

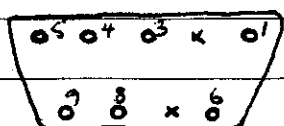
to
P8874A
UPDATED
from
previous
diagram

PN

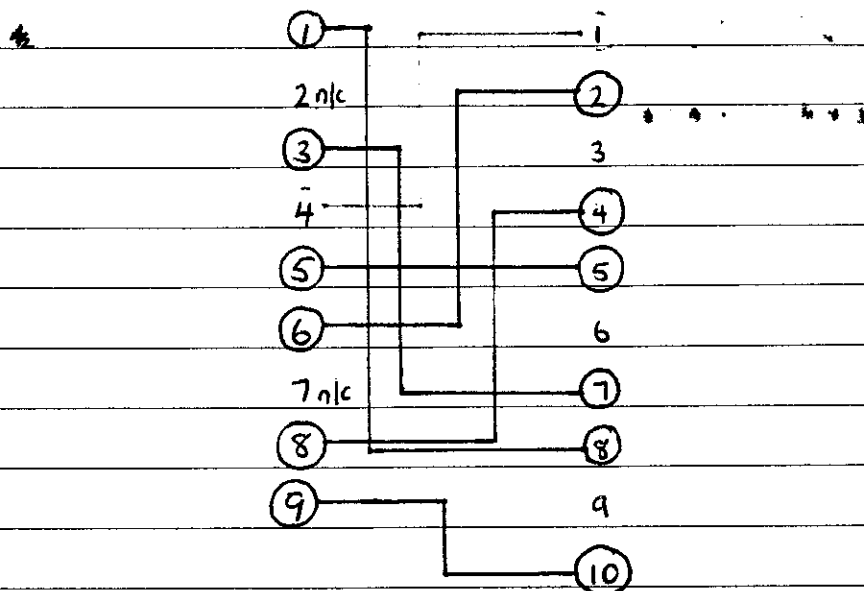
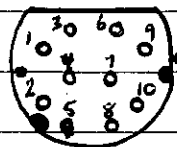


SIEMENS EXTENSION CABLE

Rear view

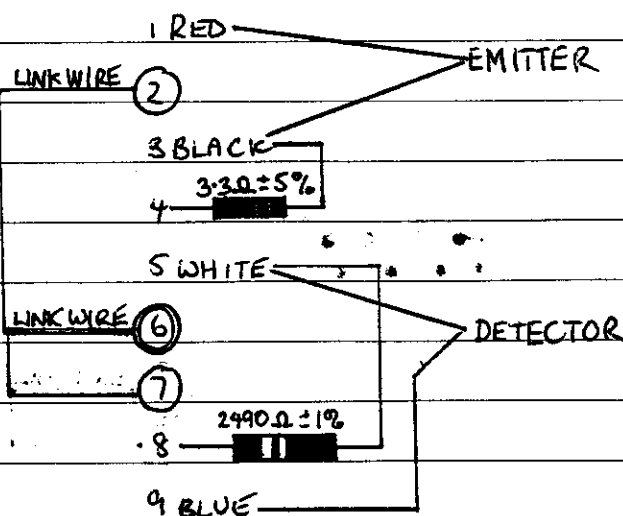


Rear view

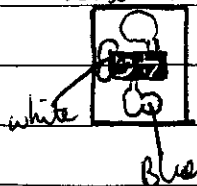


NONIN - MODEL 8000 FC - 30

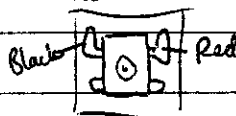
REAR VIEW - FEMALE AMP



Sensor - back view



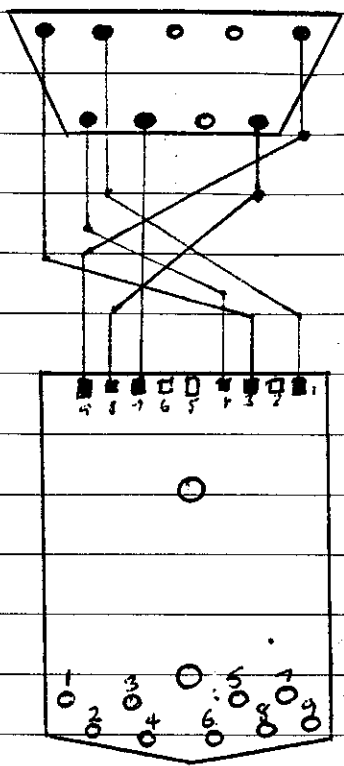
LED - Back view



NB COMPONENTS ARE IN THE CONNECTOR - CABLE IS A LENGTH OF FIBRE - OPTIC WIRE.

rell cov
Rie-cup

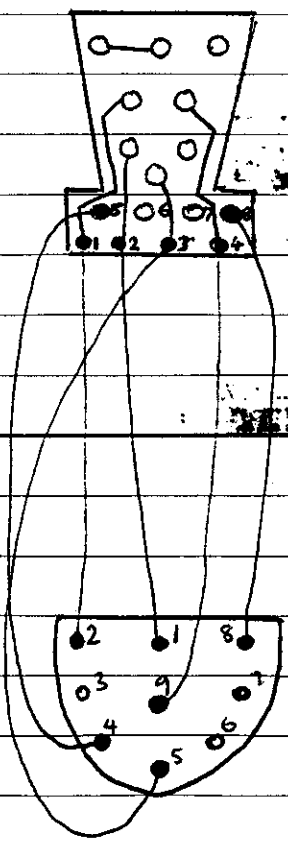
Rear view



These
contacts

- 1 Blue
- 2 Black
- 3 Red
- 4 Brown
- 5 Green
- 6 Orange
- 7 Yellow
- 8 Purple
- 9 Grey

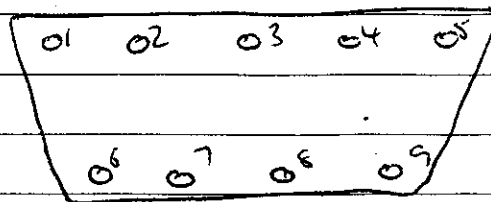
OXITE
EXTENSION



- 1 Green
 - 2 Orange
 - 3 ~~Orange~~ Blue
 - 4 Shield
 - 5 Red
 - 6 n/c
 - 7 Yellow
 - 8 Black
-
- 1 Orange
 - 2 Green
 - 3 n/c
 - 4 Red
 - 5 Blue
 - 6 n/c
 - 7 Yellow
 - 8 Black
 - 9 Shield

BCI - Nellcor extension

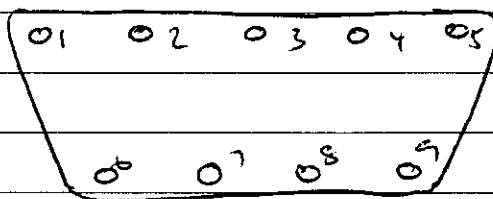
male end - RV



- 1 Black 6 White
- 2 n/c 7 n/c
- 3 Yellow 8 OS
- 4 Red 9 Light + IS
- 5 Resistor

THIS DOES NOT WORK

female end - RV



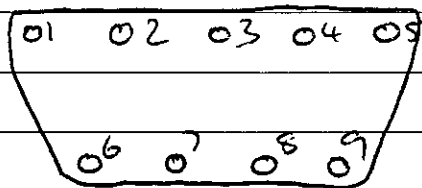
- 1 n/c 6 IS
- 2 Red 7 OS
- 3 Yellow 8 n/c
- 4 n/c 9 White
- 5 Black

BCI - Nellcor extension cable

USING VIAMED STOCK PSS8RA CABLES

P/N 0018587

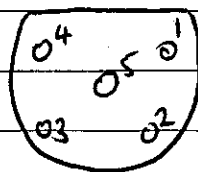
Female end - RV



- 1 n/c
- 2 Yellow
- 3 Red
- 4 n/c
- 5 White
- 6 ~~Black~~ NC
- 7 Outer shield
- 8 n/c
- 9 Black

This works

PSS9RA with male conn. - PRELIM try! for evaluation by customer



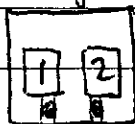
- 1 Yellow
- 2 Red
- 3 Black
- 4 White
- 5 Shields

21 700

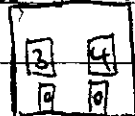
AS

New
Short
Dates

Detector feeddown



Phitter feeddown



Original Cable

Viamed Cable

1 White

1 White

2 Green

2 Black

3 Red

3 Red

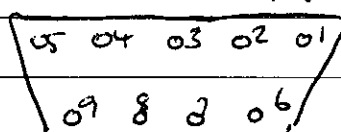
4 Black

4 Yellow

Original Cable

Viamed Cable

RV



1 link to 6

1 link to 6

2 n/c

2 n/c

3 Red

3 Red

4 n/c

4 n/c

5 White

5 White

6 link to 1

6 link to 1

7 Black

7 Yellow

8 Inner Shield

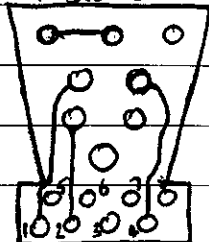
8 Inner Shield

9 Green

9 Black

Caytrip
extr.

Inside



1 Green

5 Red

2 Orange

6 n/c

3 Blue

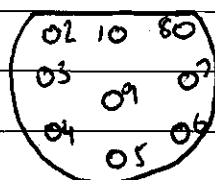
7 Yellow

4 Shield

8 Black

probe end

plug end



1 Orange

6 n/c

2 Green

7 Yellow

3 n/c

8 Black

4 Red

9 Shield

5 Blue

PCN-2 ADAPTOR CABLE

USING : 0038567

0010760

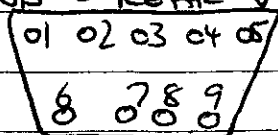
16 8 00

03

New

product

FEMALE END - REAR VIEW



1 n/c

2 Orange

3 Red

4 n/c

5 White

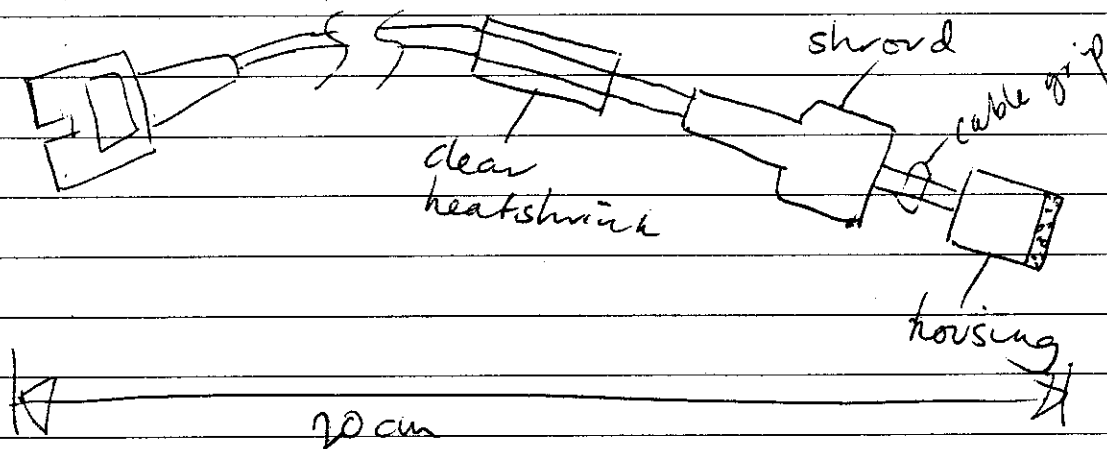
6 n/c

7 Outer shield

8 n/c

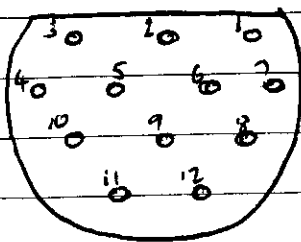
9 Black

LENGTH : 10cm



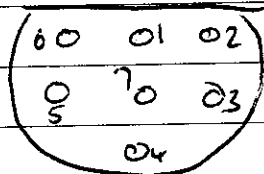
P925E2 length - 2'

10/10/00 MALE END - 12 pin hypertronics



- | | |
|-------------------|------------|
| 1 White | 7 47kS res |
| 2 Black | 8 n/c |
| 3 Shld + 47kS res | 9 Red |
| 4 n/c | 10 Orange |
| 5 n/c | 11 n/c |
| 6 n/c | 12 Yellow |

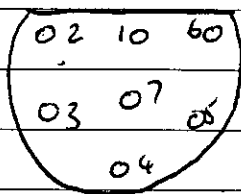
female end - 7 hypertronics



- | |
|-----------|
| 1 Orange |
| 2 Red |
| 3 Black |
| 4 White |
| 5 Shields |
| 6 Yellow |
| 7 n/c |

Novametric Y probe

rear view



1 Blue

② Red

3 White

4 Black

5 Shields

⑥ Green

7 n/c