

1940 LOGAN AVENUE, COSTA NESA, CA \$2828-(714) 545-3468-(800) 828-1589-FAX (714) 545-7212

Fax

To:	Steve Nixon	Fron	n:	Chris Fontana	<u> </u>
Company:	Viamed	Date);	Sept 10, 1999)
Fax:	0114415356355	62 Page	DS:	1	
Re:	12553	CC:			
□ Urgent	☐ for Review	☐ Please Comment	□ Pk	rese Reply	☐ Please Recycle
Comments:					

Dear Steve,

We understand the urgency of the situation. It is my understanding that the specifications were not changed from the beginning but that the new models require more specific specifications than the original units. I will be in discussion with Jack and have all the answers by Monday afternoon.

NB Ohmeda have admitted problems on SpO2 probes and compatibility See Ohmeda file

Regards,

Christopher Fontana



1340 LOGAN AVENUE, COSTA MEBA, CA 92828-(714) 545-3460-(800) 828-1986-FAX (714) 545-7212

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To:	Steve Nixon	From	n: (Chris Fontana	
Company:	Viamed	Date	;	Sept 13, 1999	
Fax:	011441535635582	Page	18:	2	
Re:	12554	CC:			
☐ Urgent	of for Review	☐ Please Comment	□ P k	was Raply	☐ Please Recycle
Comments:					

Dear Steve.

- 1) Please find attached a copy of the fax we received for Jack regarding the P867RA. These probes have not been changed from the original specifications. As your fax states the problems is occurring on the 8700 and 8800 models. We are in the process of developing new specifications for them and will forward samples for your approvals.
- 2) The probes shipped and Robert is obtaining the tracking information.
- 3) We will discuss the issue of spare parts FOC with Jack and have an answer for you in the morning.
- 4) We will be shipping the P864RA and P876RA this week. I will have an exact count and delivery date for you by Tuesday.

Regards,

Christopher Fontana



UDT SENSORS, INC.

12525 Chedron Ave., Hewthorne, CA 90250 - (310) 978-0516 - FAX (310) 644-1727

790

September 13, 1999

Mr. Christopher Foutane. Medical Cables Inc. 1340 Logan Ave. Costa Mesa, Ca. 92626

Re: P876RA SPO2 Probe

Jemles

Dear Chris:

UDT has not changed or deviated from any specifications required to produce and test this probe. We have been made aware that this probe reads consistently 3-4% lower when used with a Model \$200 Monitor. We have investigated this phenomena, and are currently processing some probes that we feel will improve performance. The details of the changes will accompany the samples that will be completed later this week.

Regards

Jack Kimbro



COSTA MESA, CA 92626-(714) 545-3469-(800) 828-1599-FAX (714) 545-7212

To: Mr. Stephen Nixon

Viamed, Ltd.

15 Station Road.

Cross Hills

Keighley, West Yorkshire RD20 7DT

U.K.

RE: OHMEDA COMPATIBLE PROBE SAMPLE

September 27th 1999

Dear Stephen,

We have just received and are herewith submitting two MCI version Ohmeda finger probe samples for you to evaluate. These sample probes use 656nm±3 nm red LED chips instead of the current 660nm + 3 nm red LED Chips.

Thank you and kind regards,

Robert Hilman

CC: C. Fontana

Ohman han admitted protein on Spor products and Conjuntibility be File

Certificate of Conformance 3 1 SEP 1999 Viamed Limited 15 Station Road, Cross Hills Keighley, West Yorkshire England, BD207DT Customer Purchase Order Number Samolio Medical Cables Part Number MC-PSGTRA-1 Medical Cables Part Number Medical Cables Part Number Medical Cables Part Number Medical Cables Part Number Invoice Number 020862-IN Date Shipped: 9127199 **MEDICAL CABLES, INC.** 1340 Logan Avenue • Costa Mesa • CA • 92626 • (714) 545-3469 • Fax (714) 546-7212 fies that all items in the above shipment have been produced, inepected, and found to be in conformance with applicable mer and military specifications, and standards and purchase order requirements. All documents utilized were to the on in effect o the date of this order, or specified by the buyer. Substantiating records are on file subject to review upon Quality Assurance Manager

Variation in product specification

P856RA Nellcor compatible

S/N 941568 ME to 941667 ME

Variation from Viamed specification:

During the design of this probe a range of Nellcor probes was tested for resistor value.

Nellcor use this resistor for two purposes.

- 1) It informs the instrument that a probe exists
- 2) Disposables probes use 8K23 8K03
- 3) Y use 7k97

It became apparent that a 7K5 ohm resistor was being used by Nellcor finger probes although no actual specification has been actually published. A wide variation around this value did not effect the accuracy of the probes.

However it was decided that Viamed would use 7K5 ohm +/- 1%

Although this increased the expense it was felt that it would be better to be as accurate as possible leaving a larger margin for errors.

This batch appear to be using a \pm -5% tolerance resistor.

Although accuracy should not be compromised the supplier has been advised that in future the correct specification for this resistor must be used.

This batch have all been tested and released on my authority

J.S.Lamb

Managing Director

 Forwarded	Message	
	moodago	

FROM: SNIXON <GoldMine User> TO: DEREK < GoldMine User>

DATE: Wed, 5 Jun 2002 16:19:15 +0100

RE: FWD: Cable Assembly Drawings

----- Forwarded Message -----

Billy Cheng bcheng@dolphinmedical.com "steve@viamed.co.uk" <steve@viamed.co.uk> TO:

DATE: Tue, 4 Jun 2002 16:59:45 -0700

RE: Cable Assembly Drawings

Steve:

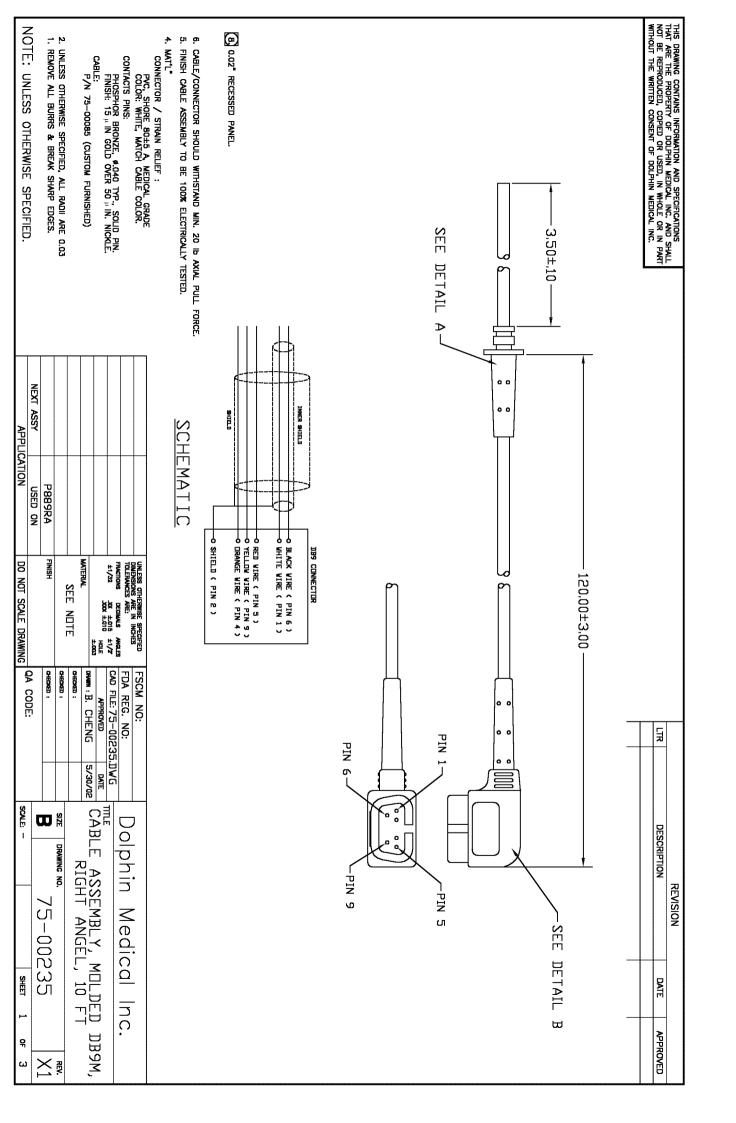
Attached are files for :

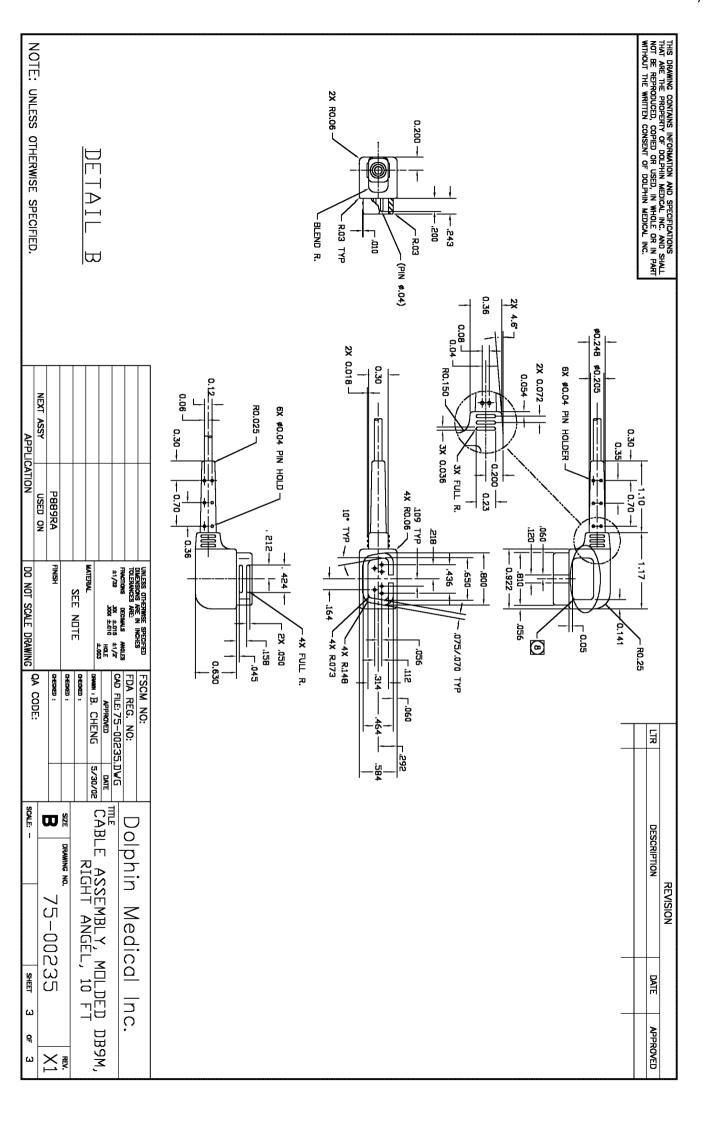
- 1) POR02550 DMI p/n 75-00236 2) POR02551 DMI p/n 75-00235
- 3) CSI extension cable, 8 FT, DB9M to DM9F, right angel DMI p/n 75-00237
- 4) Datascope service cable, 12 FT DMI p/n 75-00137

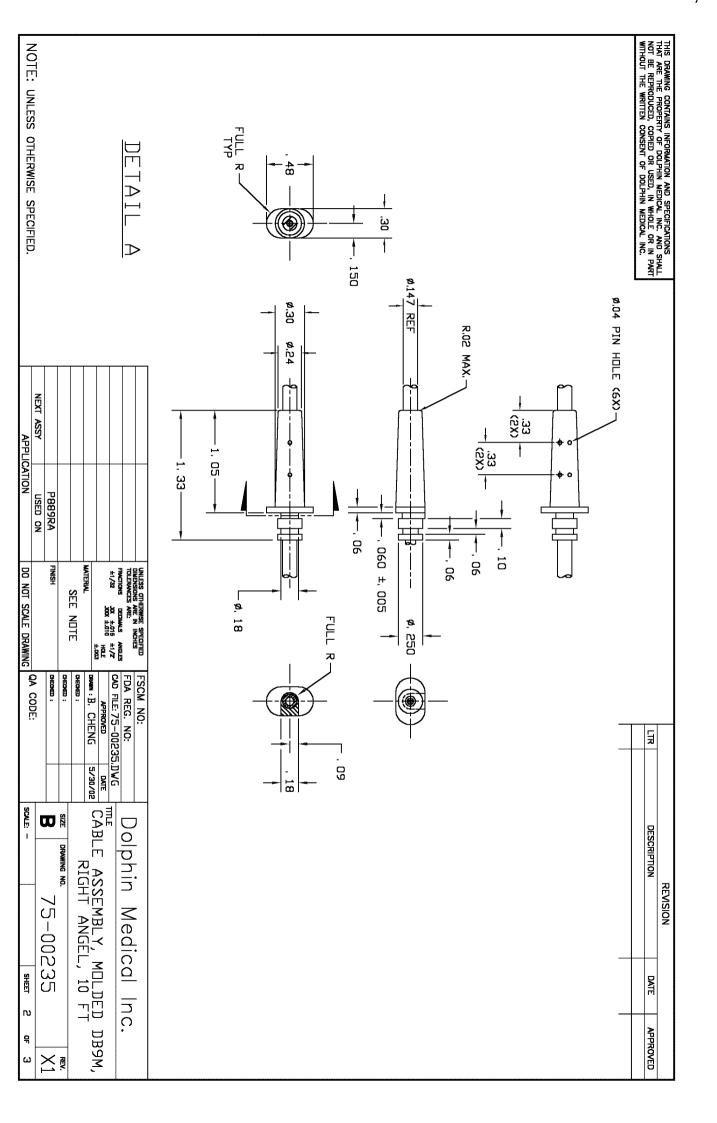
Please approval drawings for 1) and 2) so we can proceed with the order. Please review 3) and 4) and let us know if you have any comment. We will send you quotation for 3) and 4) as soon as we have it. Regards,

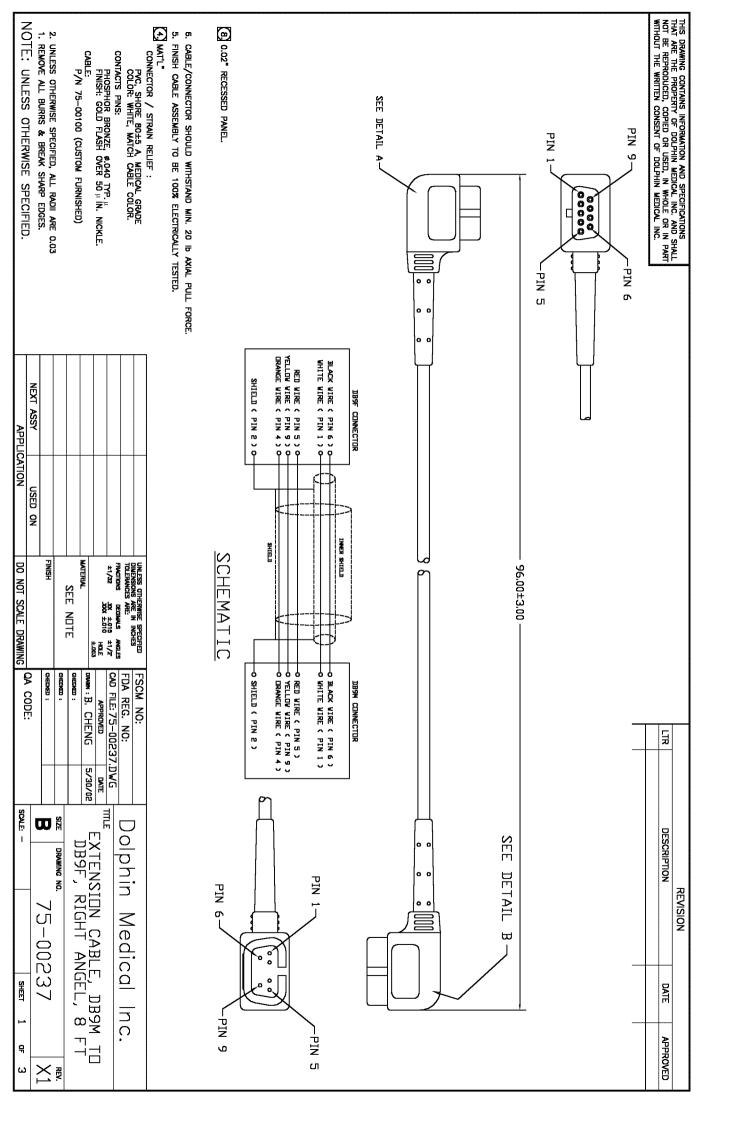
Billy Cheng E/M Design Engineer Dolphin Medical Inc. 12525 Chadron Ave., Hawthrone CA 90250 Tel: 310 349 2335

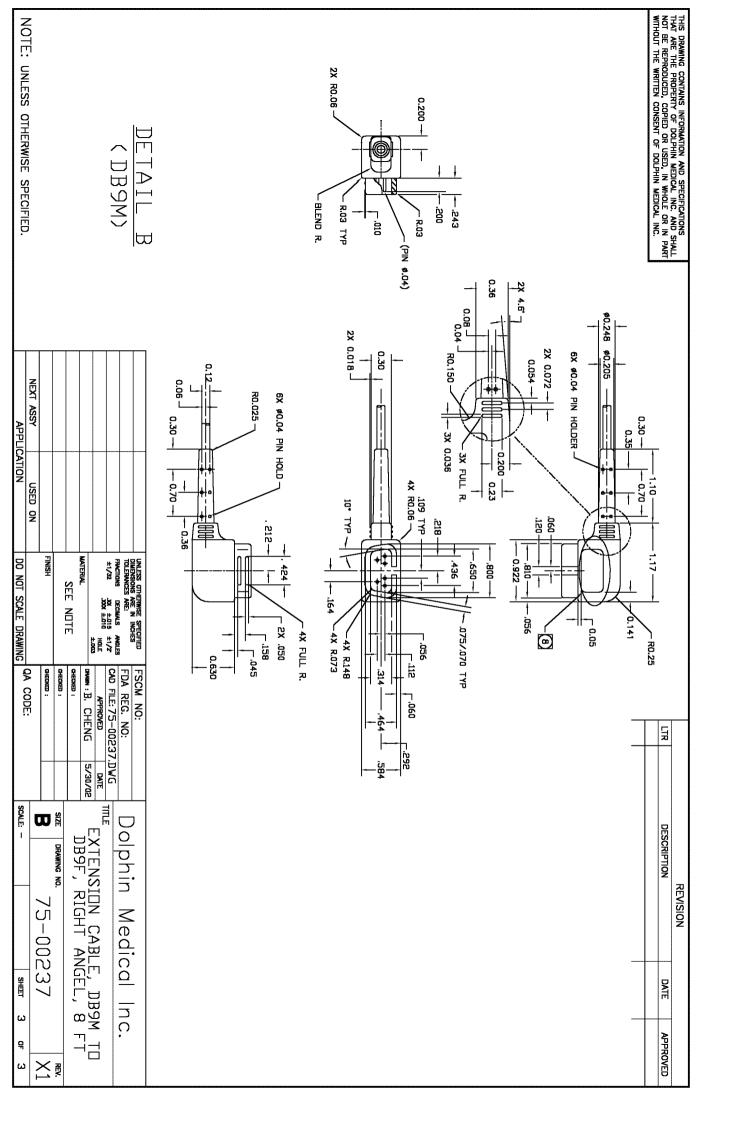
e-mail: bcheng@udt.com

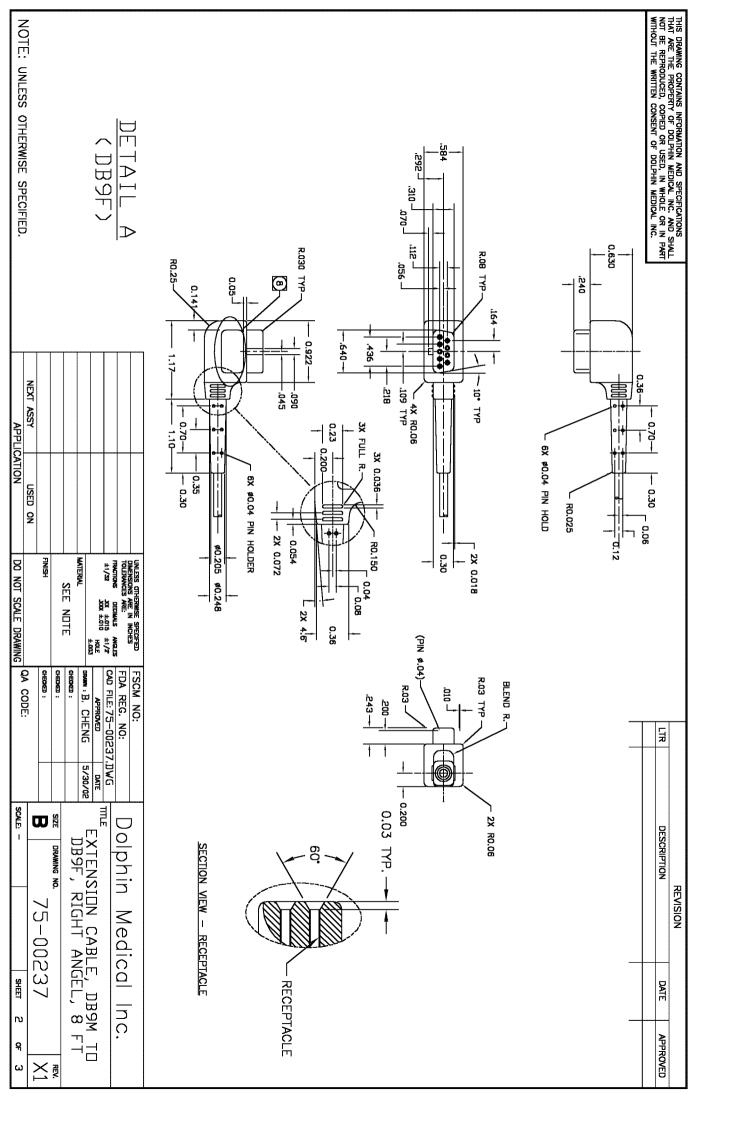


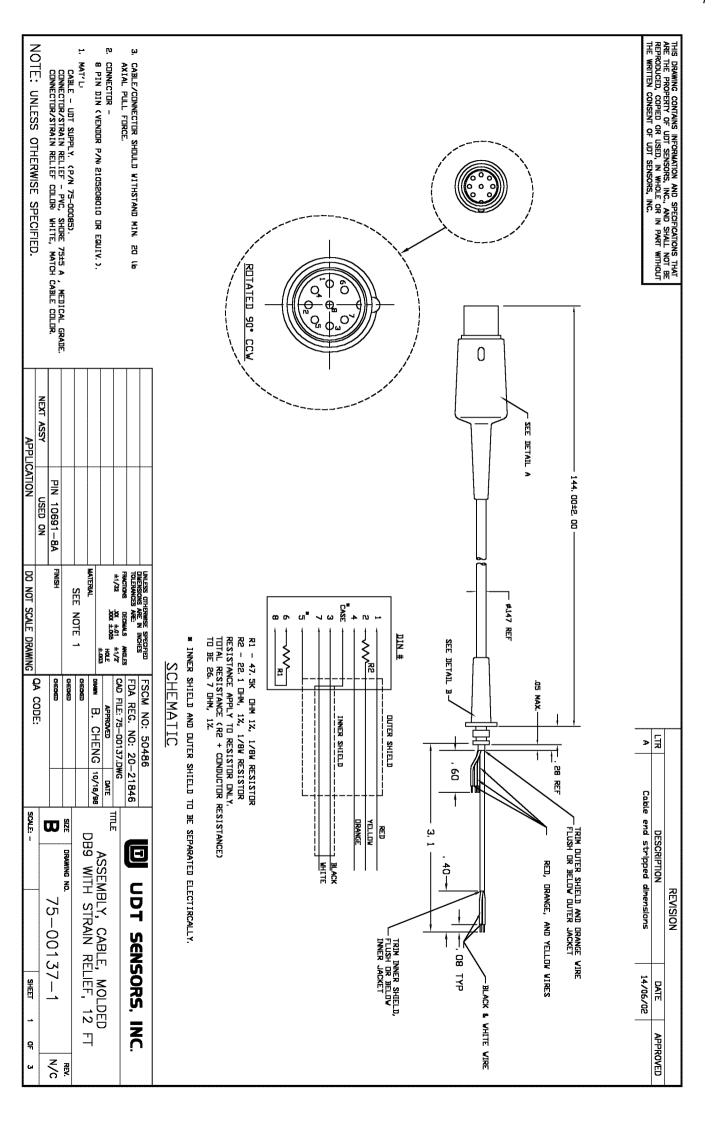


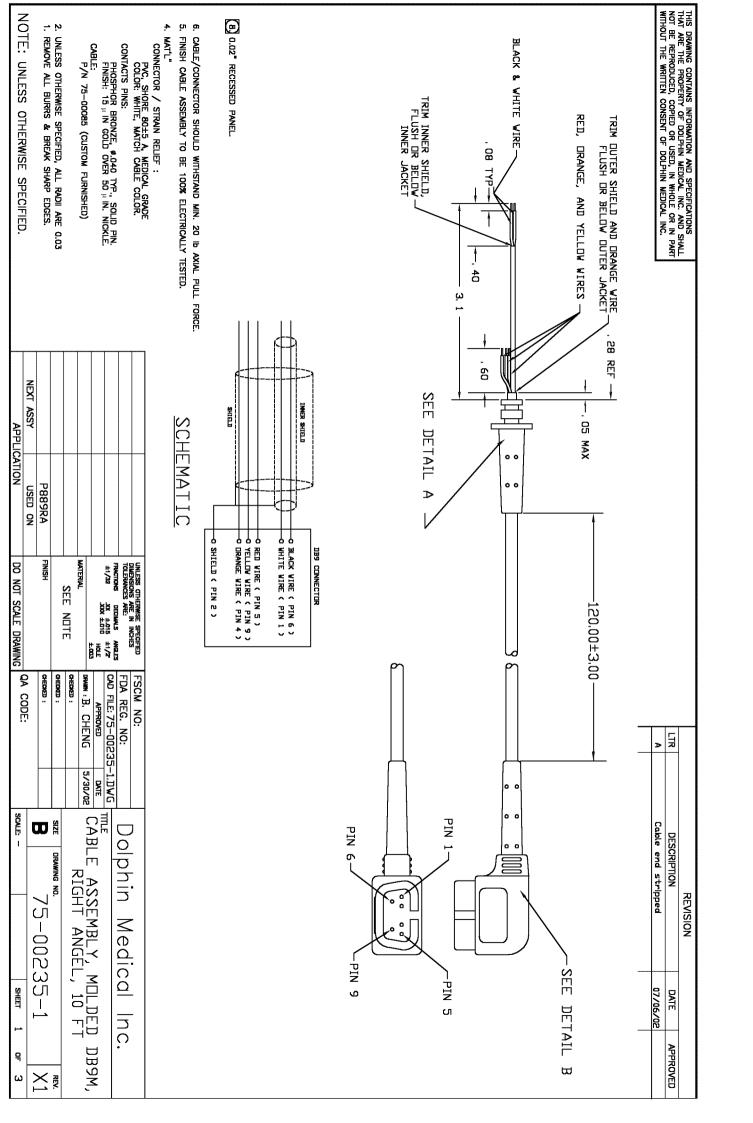


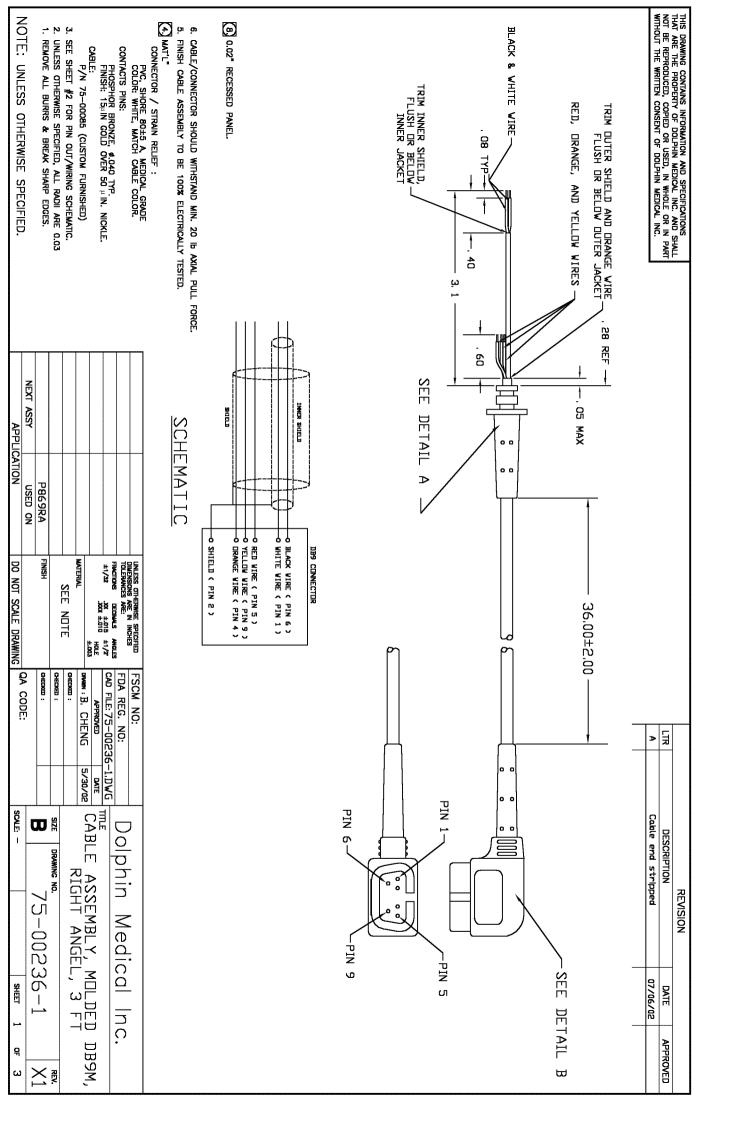


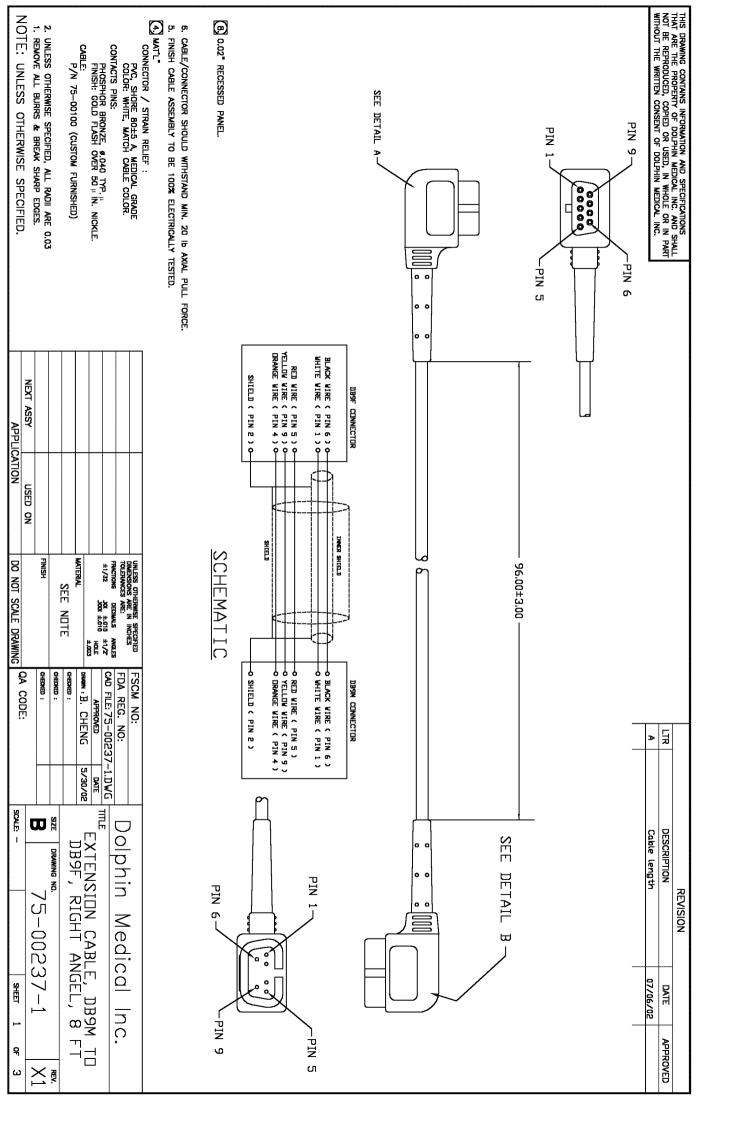


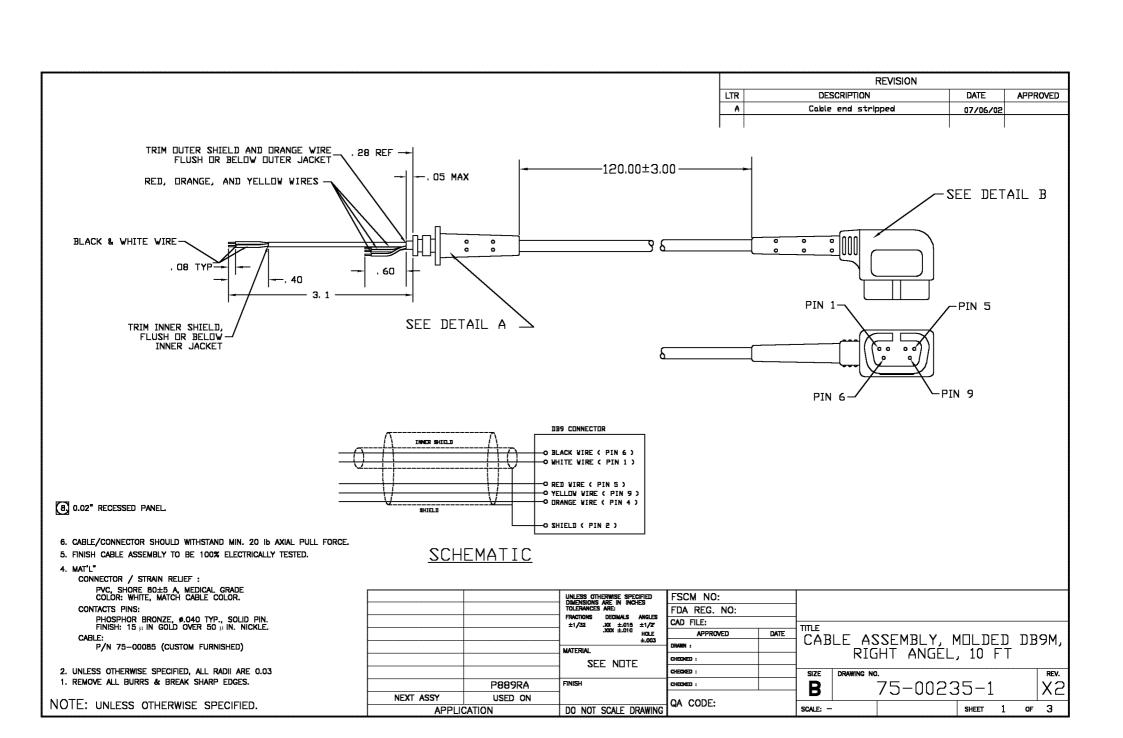


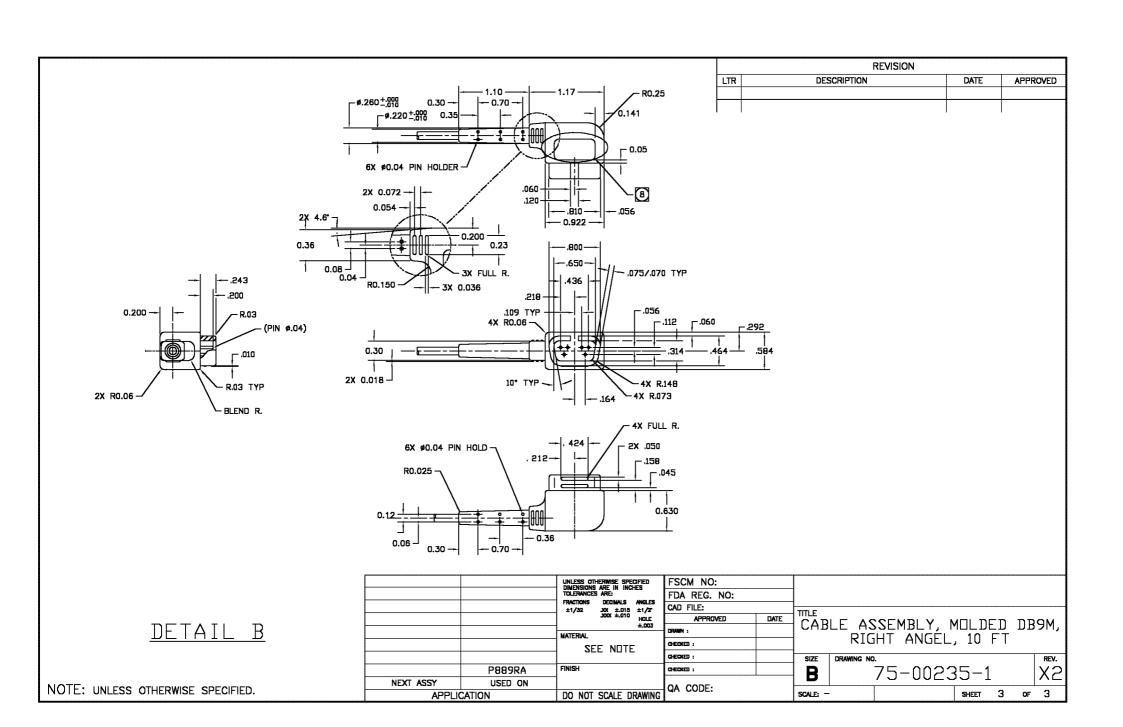


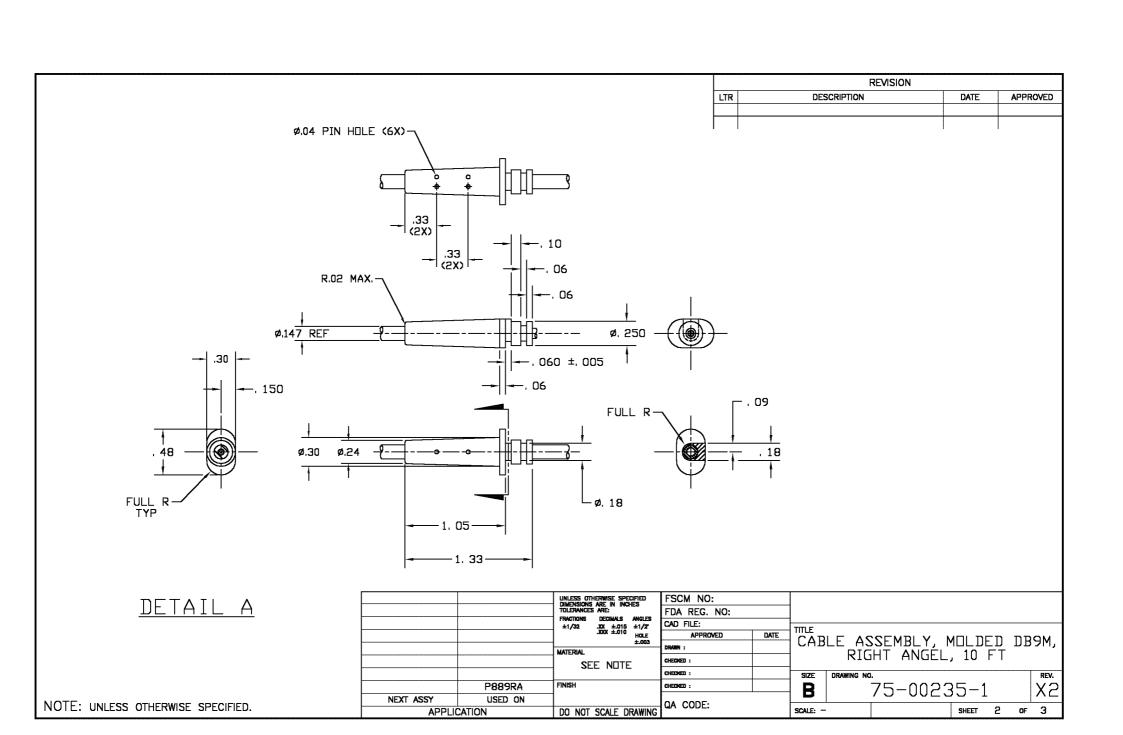


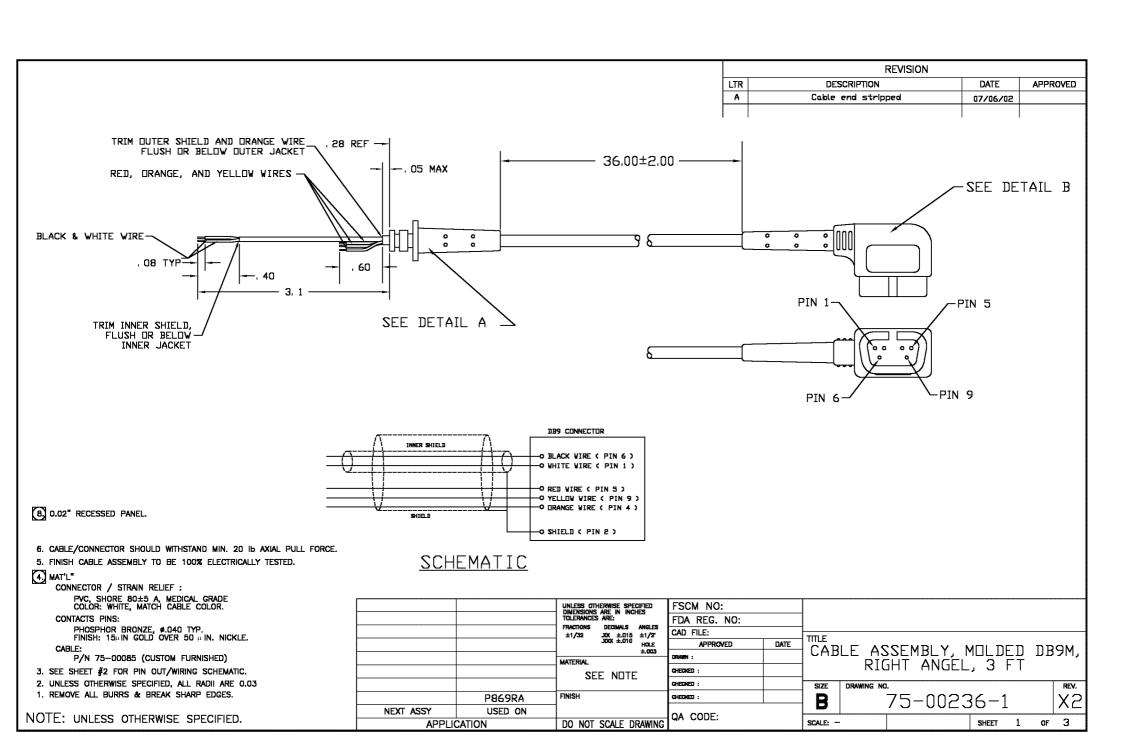


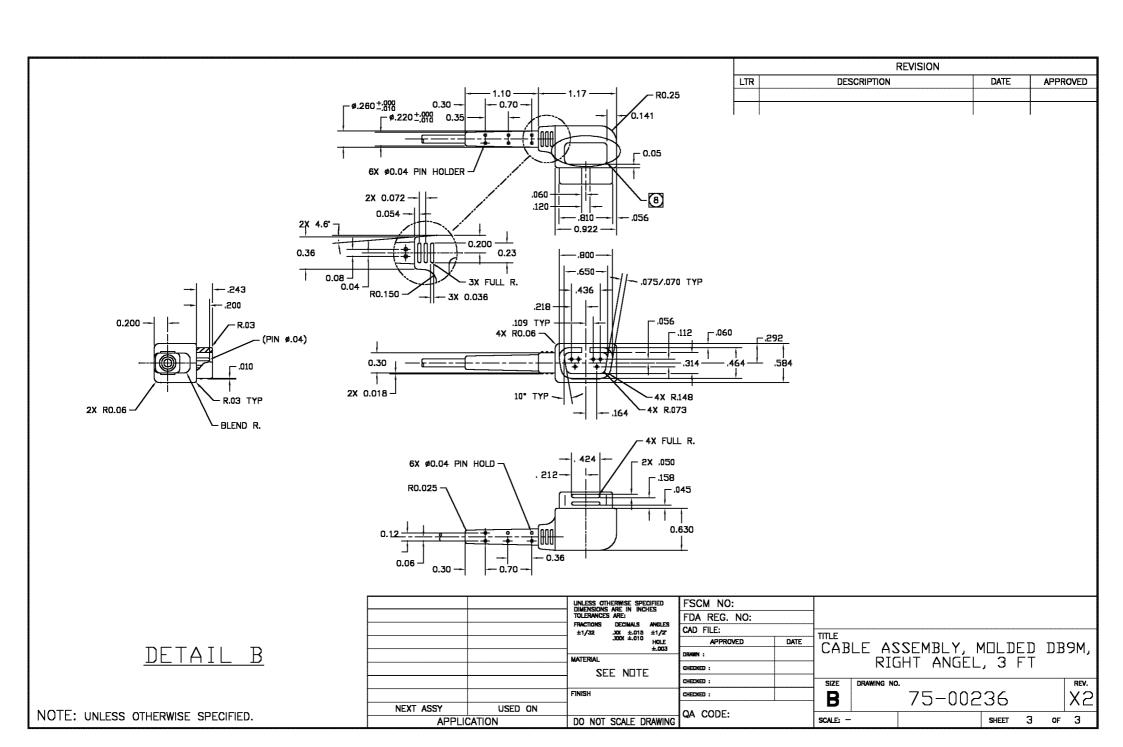


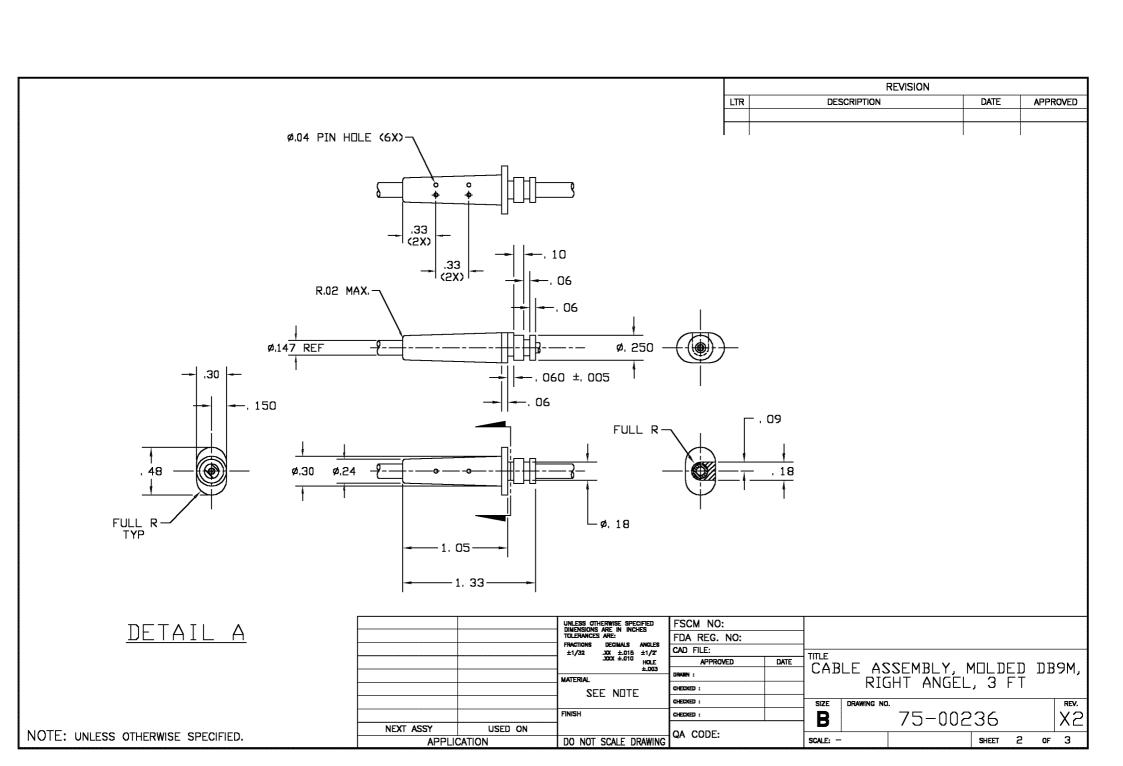


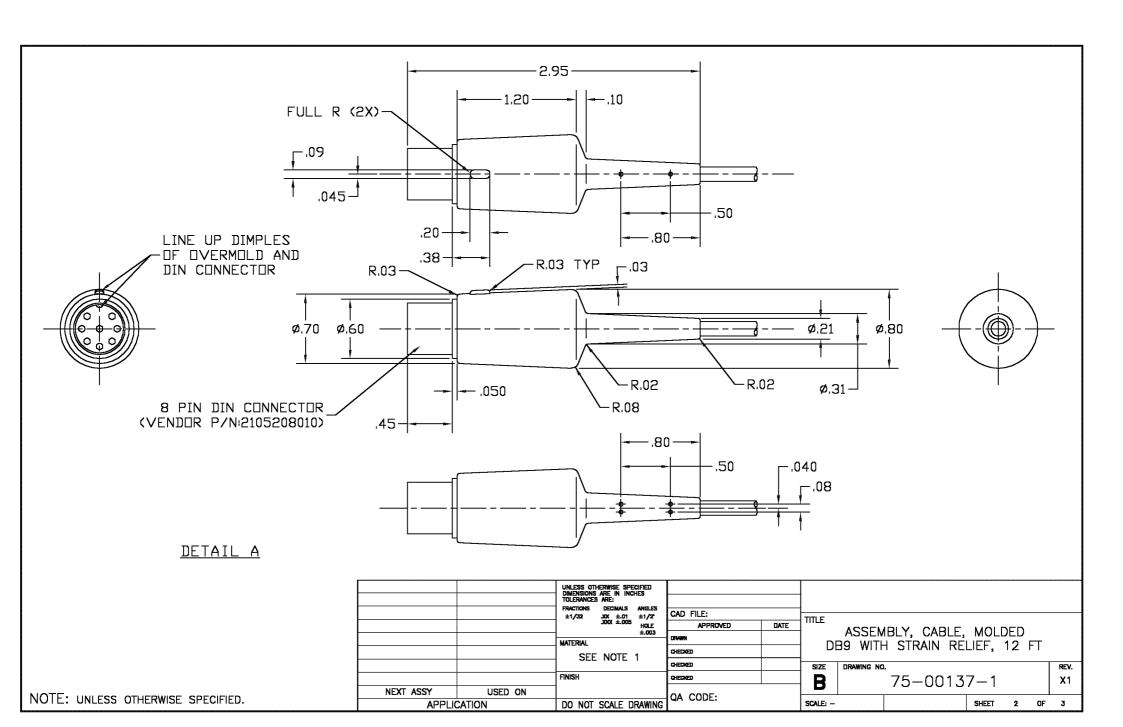


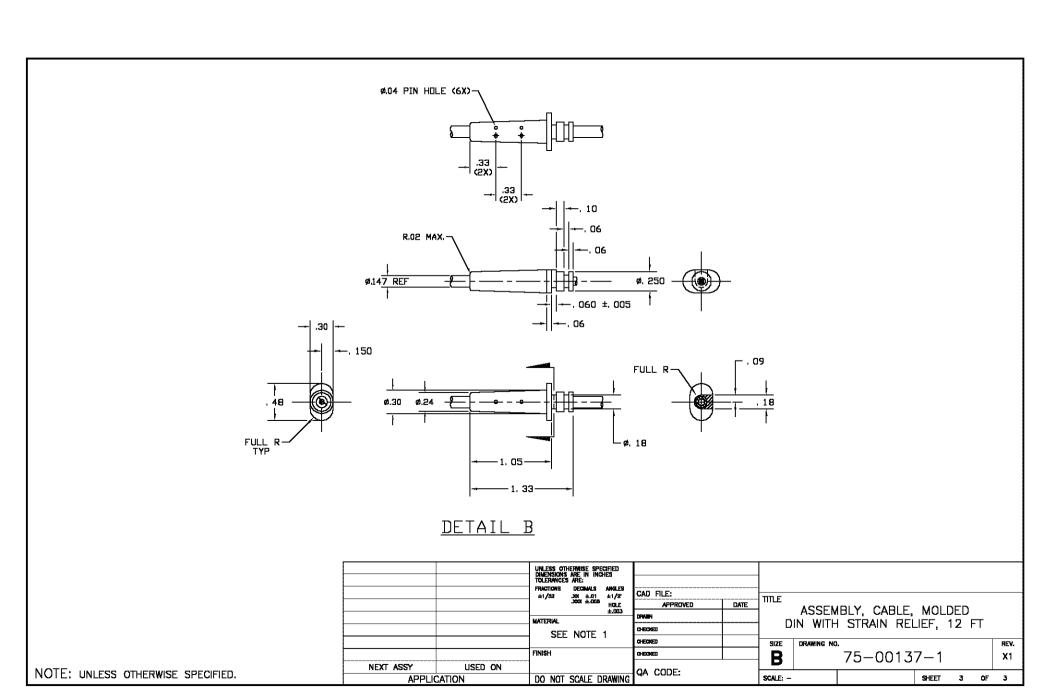


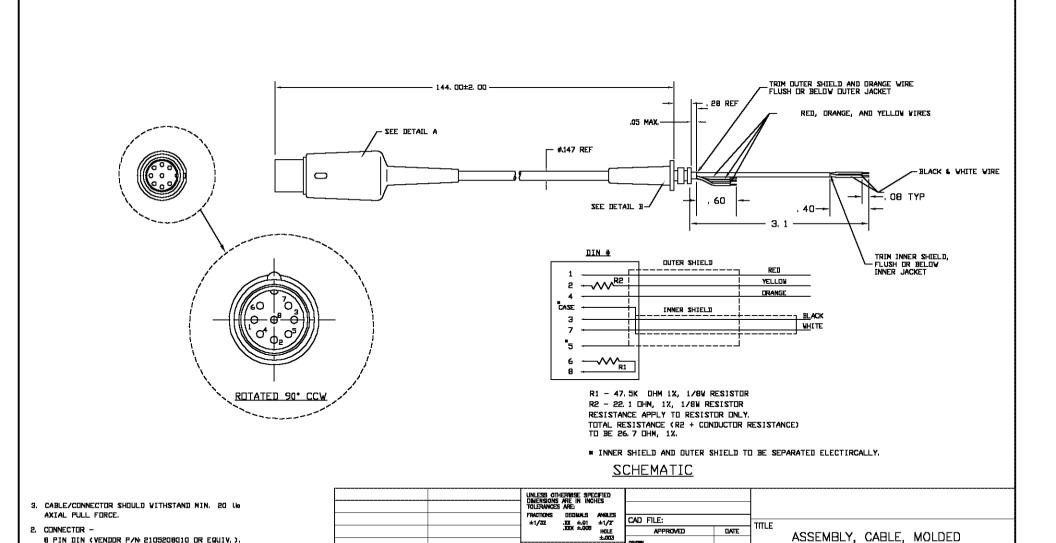












MATERIAL

USED ON

APPLICATION

SEE NOTE 1

DO NOT SCALE DRAWING

QA CODE:

8 PIN DIN (VENDOR P/N: 2105208010 OR EQUIV.).

CONNECTOR/STRAIN RELIEF - PVC, SHORE 75 ± 5 A , MEDICAL GRADE. CONNECTOR/STRAIN RELIEF COLOR: WHITE, MATCH CABLE COLOR.

CABLE - UDT SUPPLY. (P/N 75-00085).

NOTE: unless otherwise specified.

1. MAT'L

ASSEMBLY, CABLE, MOLDED

DB9 WITH STRAIN RELIEF, 12 FT

75-00137-1

REV.

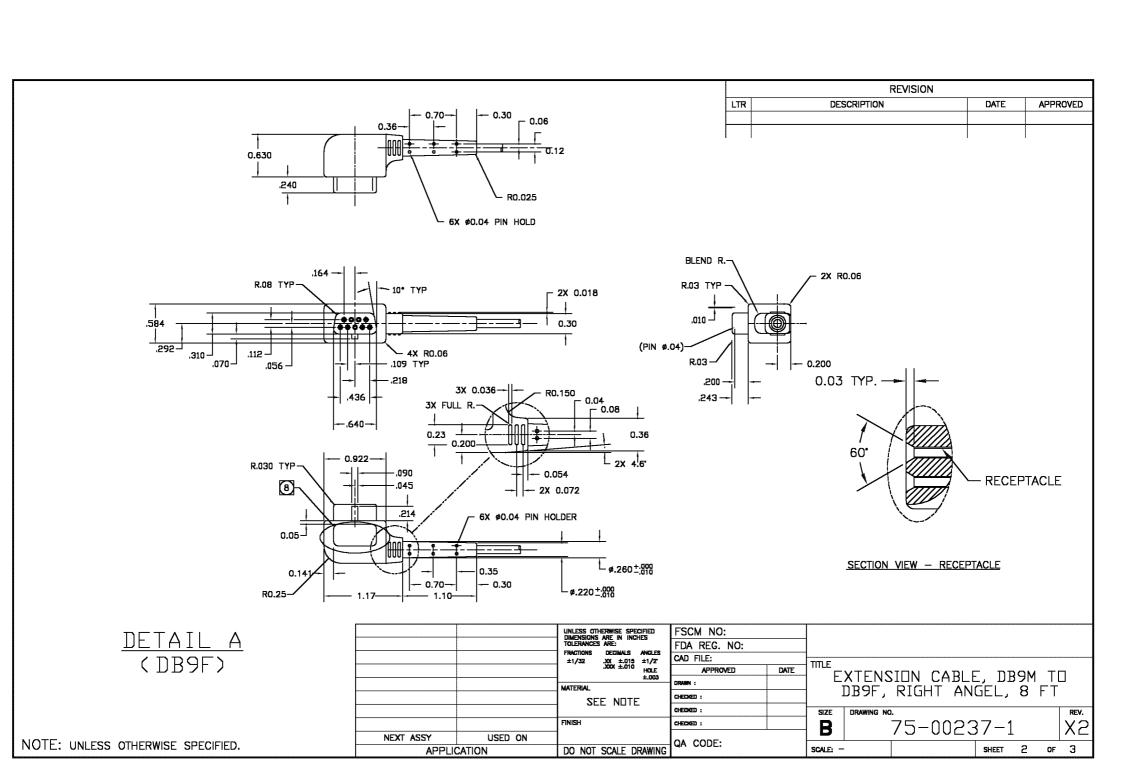
X1

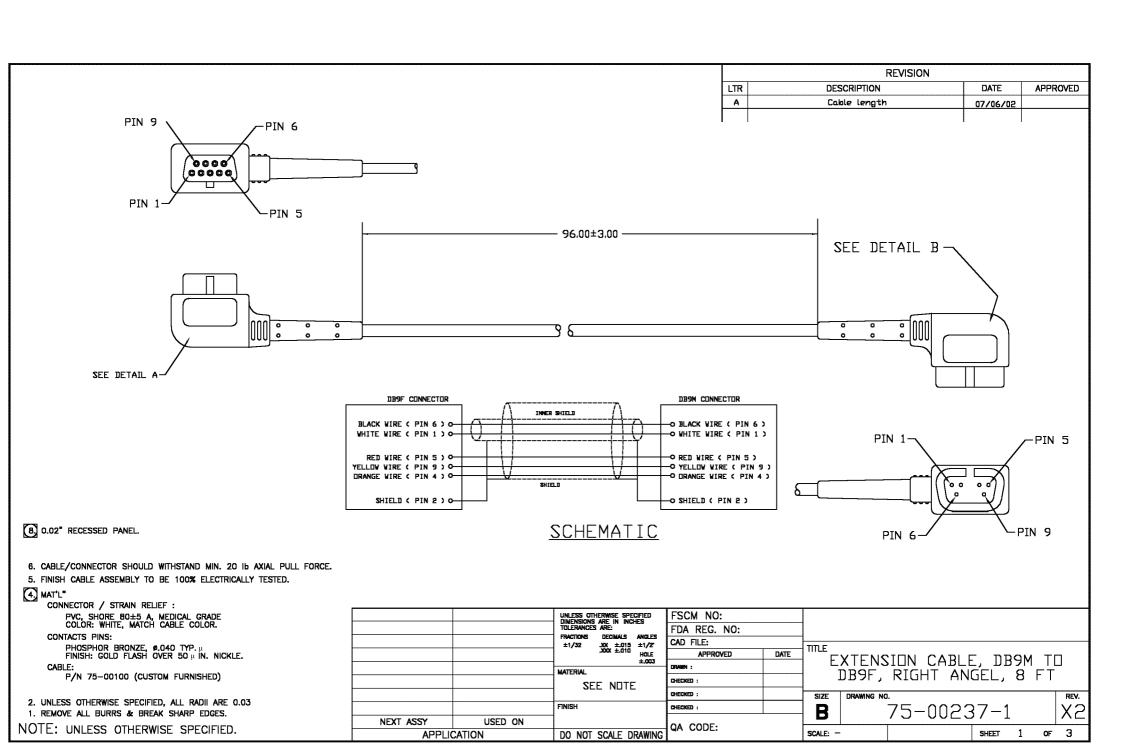
OF 3

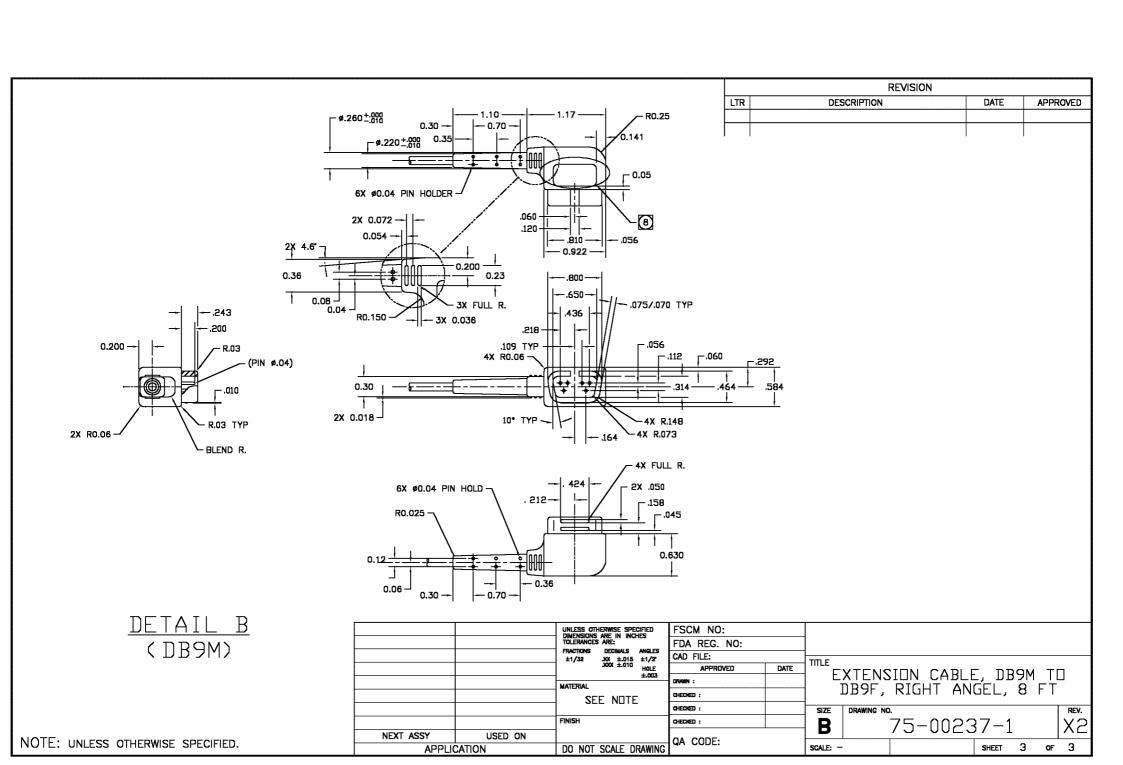
DRAWING NO.

SIZE

SCALE: -







Subject : Cable assembly drawings

Date : Mon, 1 Jul 2002 14:33:00 +0100

Linked to: Billy Cheng

From : Jasvir Nirwan <info@viamed.co.uk>

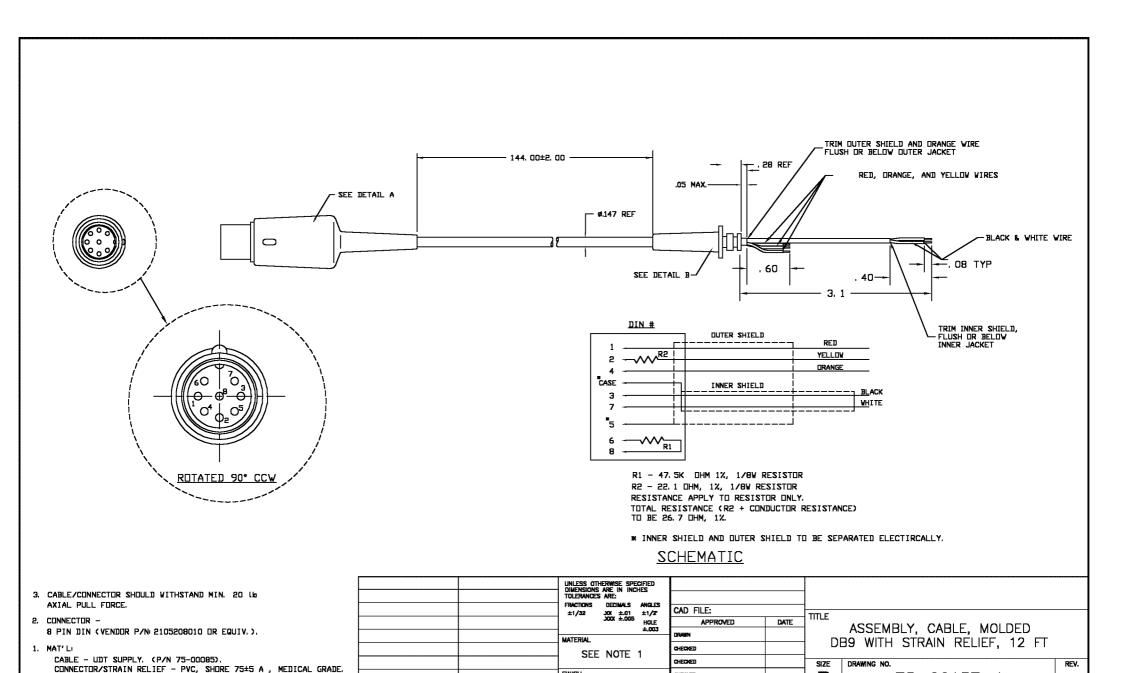
To : Billy Cheng bcheng@dolphinmedical.com

Billy,

i have checked the drawings and found only one drawing that needed a slight modification. i am attaching the drawing back with the alteration made (length of cable) as well as a Viamed drawing sheet as you requested.

Jaz

about:blank 09/07/02



FINISH

DO NOT SCALE DRAWING

USED ON

NEXT ASSY

APPLICATION

CONNECTOR/STRAIN RELIEF COLOR: WHITE, MATCH CABLE COLOR.

NOTE: UNLESS OTHERWISE SPECIFIED.

CHECKED

QA CODE:

SCALE: -

75-00137-1

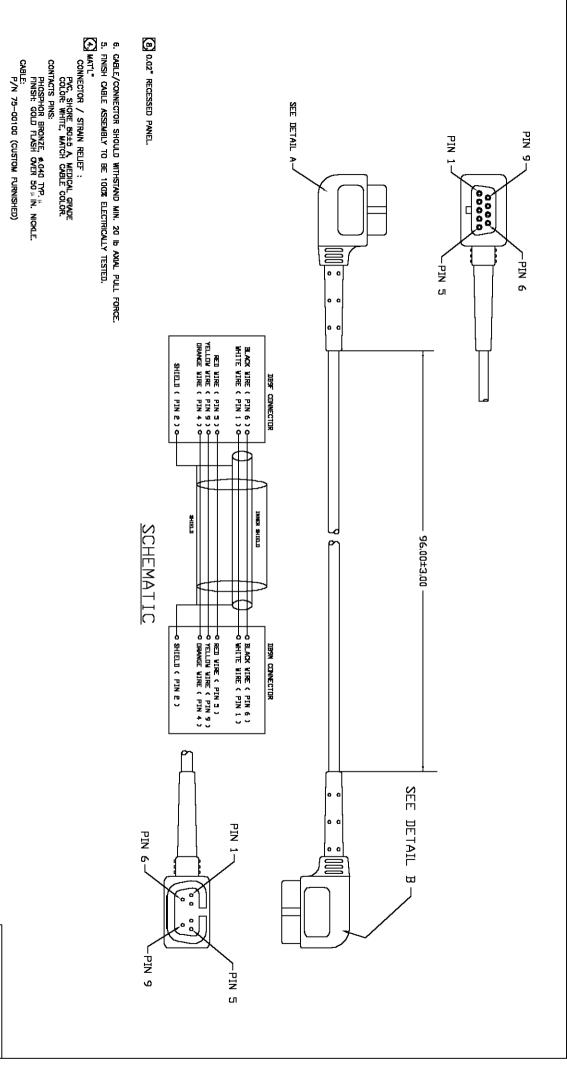
SHEET

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X1

OF 3

ALL RIGHTS STRICTLY RESERVED. REPRODUCTION OR ISSUE TO THIRD PARTIES IN ANY FORM WHATE VER IS NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF VIAMED Ltd.



REV

Date

Details

Scale

Date

Not To Scale 30/01/02

Dwg No.

inches ± 0.01
J.Nirwan
SPE-010.1

15 Station Rd Cross Hills, Keighley West Yorkshire BD20 7DT

Tol Drawn

Title Criticare service

Dim in

4

Sheet

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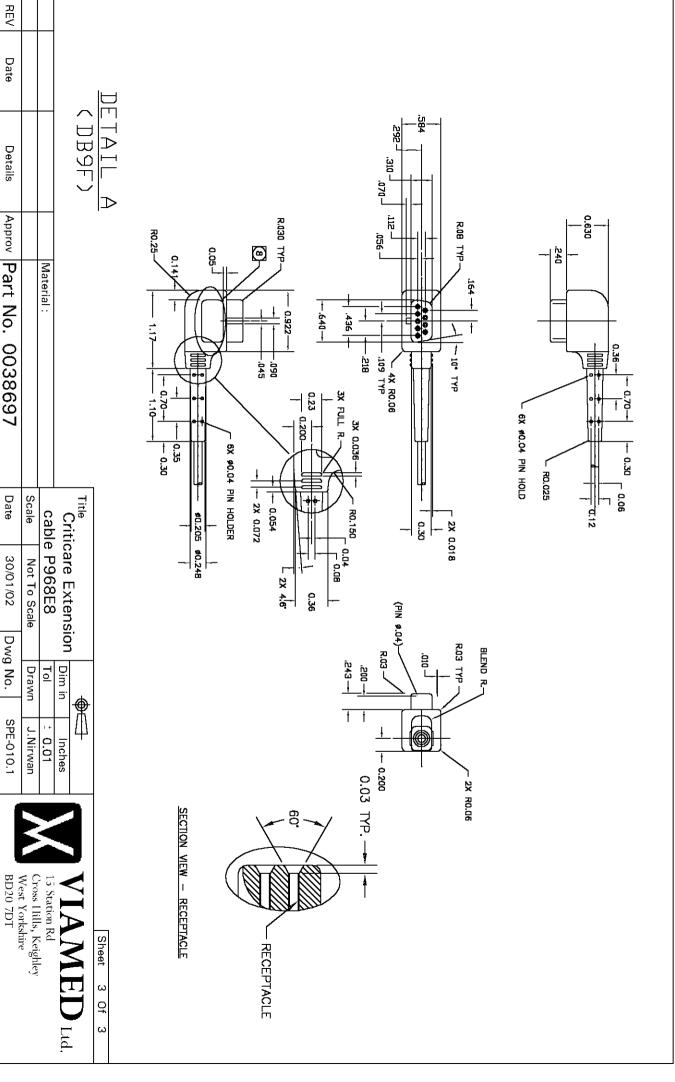
cable P968E8

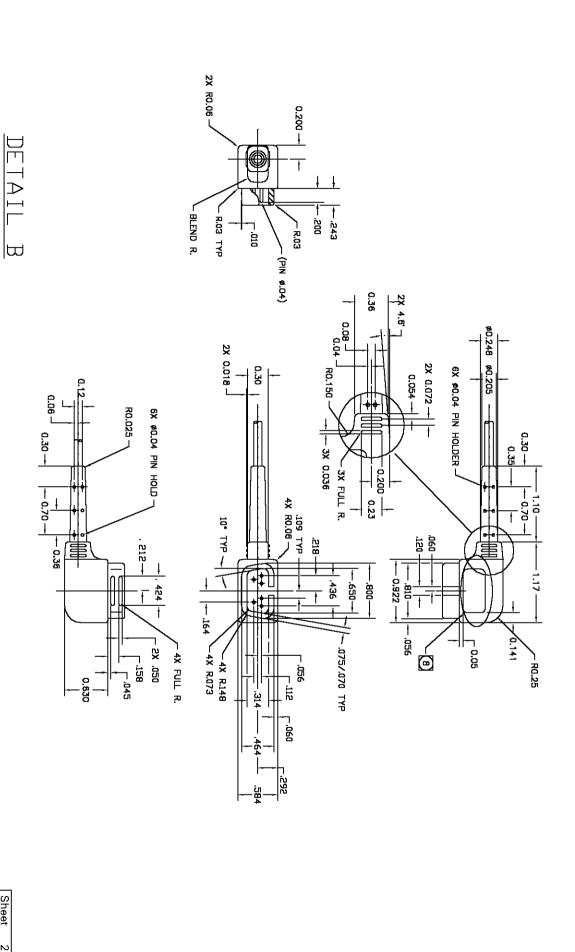
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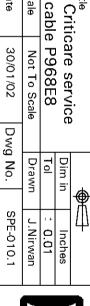
NOTE: UNLESS OTHERWISE SPECIFIED.

2. UNLESS OTHERWISE SPECIFIED, ALL RADII ARE 0.03
1. RENOVE ALL BURRS & BREAK SHARP EDGES.

ALL RIGHTS STRICTLY RESERVED. REPRODUCTION OR ISSUE TO THIRD PARTIES IN ANY FORM WHATEVER IS NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF VIAMED Ltd.







cable P968E8

REV

Date

Details

Approv Part No. 0038697

Date Scale

30/01/02

Material:

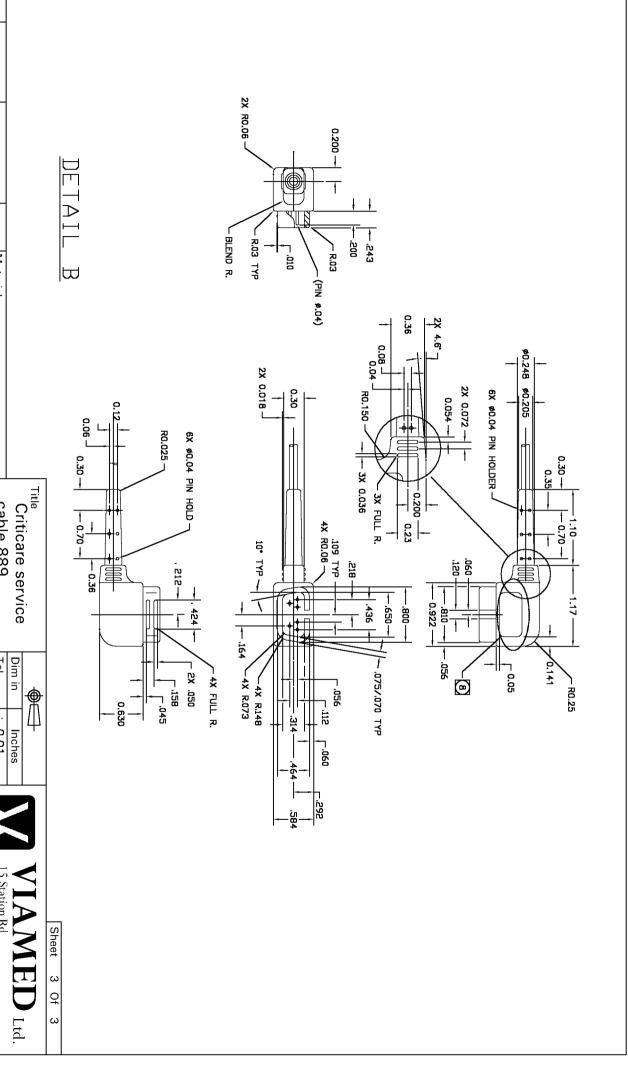
(DB9M)



Sheet 2 Of

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West Yorkshire BD20 7DT Cross Hills, Keighley 15 Station Rd



Date

Details

Approv | Part No.

0038897

Date Scale

30/01/02 Not To Scale

Dwg No.

SER-001

Drawn Tol Dim in

J.Nirwan 0.01 Inches

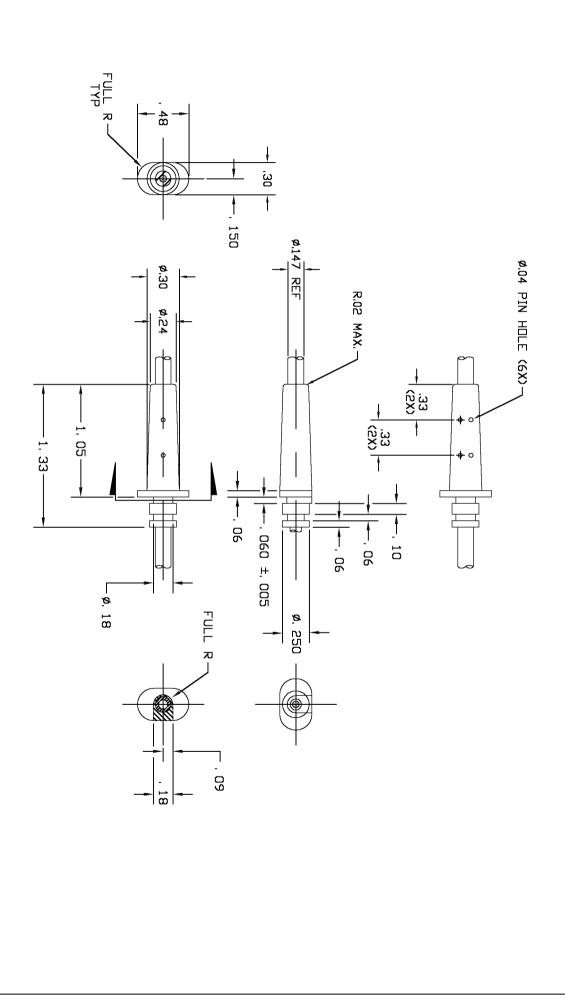
Cross Hills, Keighley West Yorkshire BD20 7DT

15 Station Rd

Ltd.

cable 889

Material:



Date

Details

Approv Part No.

0038897

Scale Date

Not To Scale 30/01/02

Dwg No.

Inches
† 0.01
J.Nirwan
SER-001

Cross Hills, Keighley
West Yorkshire
BD20 7DT

15 Station Rd

Sheet

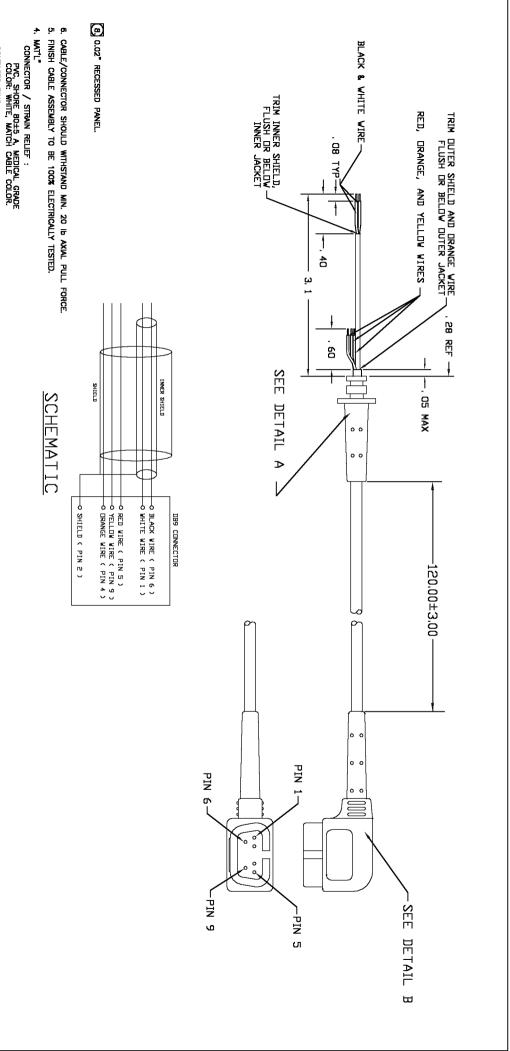
2 Of 3

Dim in Tol Drawn

Title Criticare service

cable 889

Material:



Date

Details

Approv Part No. 0038897

Material:

Scale Date

Not To Scale 30/01/02

Dwg No.

inches 2.01
J.Nirwan
SER-001

Cross Hills, Keighley West Yorkshire BD20 7DT

15 Station Rd

Sheet

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Tol Drawn

cable 889

Title Criticare service

Dim in

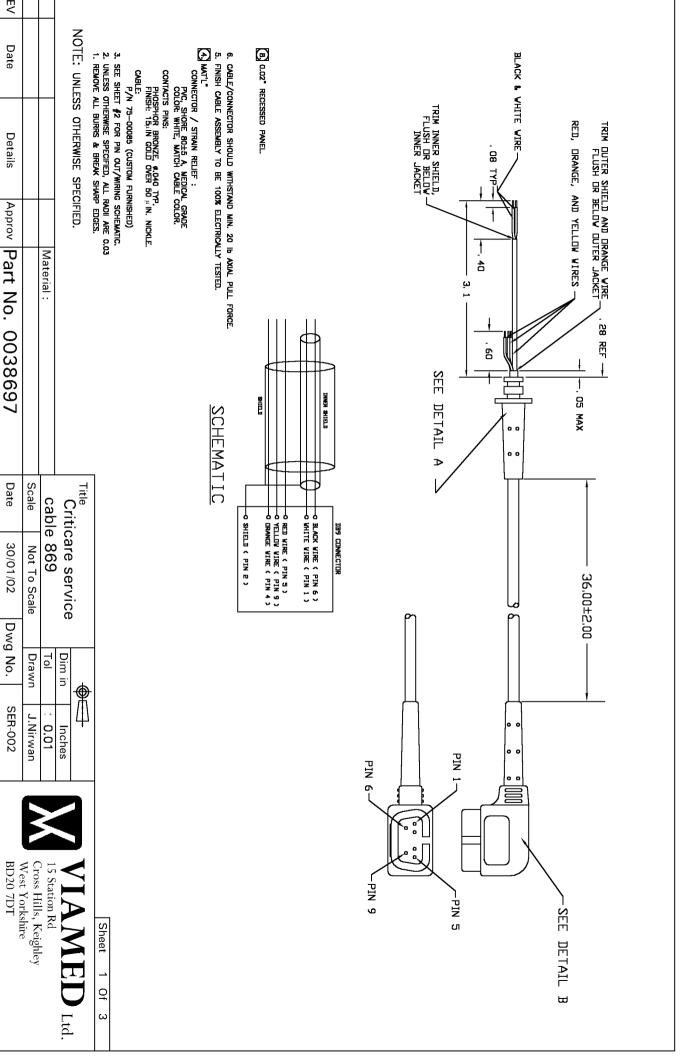
NOTE: UNLESS OTHERWISE SPECIFIED.

UNLESS OTHERWISE SPECIFIED, ALL RADII ARE 0.03
 REMOVE ALL BURRS & BREAK SHARP EDGES.

CABLE:
P/N 75-00085 (CUSTOM FURNISHED)

PHOSPHOR BRONZE, #.040 TYP., SOLID PIN. FINISH: 15 \upmu in GOLD OVER 50 \upmu in. NICKLE.

CONTACTS PINS:



Date

Details

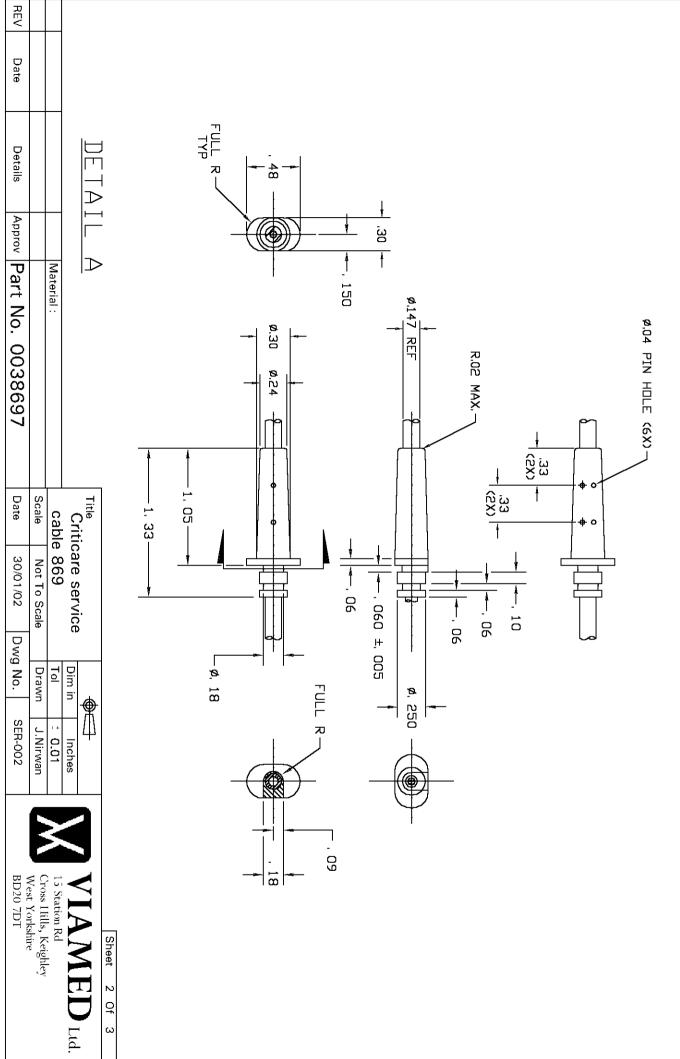
Approv Part No. 0038697

Date

30/01/02

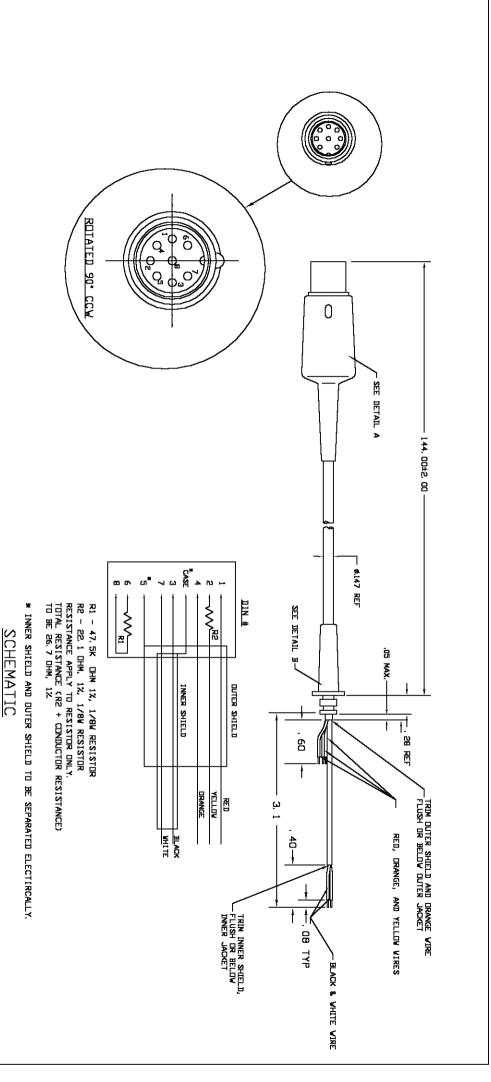
Dwg No.

SER-002



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ALL RIGHTS STRICTLY RESERVED. REPRODUCTION OR ISSUE TO THIRD PARTIES IN ANY FORM WHATEVER IS NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF VIAMED Ltd.



- CABLE/CONNECTOR SHOULD WITHSTAND MIN. 20 AXIAL PULL FORCE. 듄
- ហ CONNECTOR -8 PIN DIN (VENDOR P/N; 2105208010 DR EQUIV.).

MAT' L

CABLE - UDT SUPPLY, (P/N 75-00085).
CONNECTOR/STRAIN RELIEF - PYC, SHORE 75±5 A , NEDICAL GRADE.
CONNECTOR/STRAIN RELIEF COLOR. WHITE, MATCH CABLE COLOR.

NOTE: UNLESS OTHERWISE SPECIFIED.

REV

Date

Details

Approv Part No.

Material:

Date	Scale	(963	OEIV	Title
30/01/02	Not To Scale	963E10)	Service capie))) <u>}</u>
Dwg No.	Drawn	Tol	Dim in	
	νn		ij.	*
SER-003	J.Nirwan	± 0.01	Inches	Щ

Sheet

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BD20 7DT West Yorkshire Cross Hills, Keighley 15 Station Rd

REV ALL RIGHTS STRICTLY RESERVED. REPRODUCTION OR ISSUE TO THIRD PARTIES IN ANY FORM WHATE VER IS NOT PERMITTED WITHOUT THE WRITTEN PERMISSION OF VIAMED Ltd. Date 8 PIN DIN CONNECTOR (VENDOR P/N:2105208010) Details LINE UP DIMPLES
OF OVERMOLD AND
DIN CONNECTOR DETAIL A Approv Part No. Material: FULL R (2X)ø,70 P.09 .045 ø.60 R.03-.45--85 -02j -,050 Date Scale Title Din type connector 1.20 -R.03 TYP -2,95 1/07/02 Not To Scale \R.08 10 \R.02 03 Dwg No. -08 -080 Dim in <u>o</u> Drawn ф Д <u>| 50</u> <u>.</u>5 SER-003 ± 0.01 J.Nirwan Inches -R,02 ┌.040 B0. – ø,21 ø,31 [⊥] VIAMED
15 Station Rd Cross Hills, Keighley West Yorkshire BD20 7DT ø.80 Sheet ა 9

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2 Of 3



Product Changes Embodied.

Date.	Design change to product.
10/09/99	Specification change on P867RA Ohmeda.
30/11/00	Resistor change to achieve greater accuracy on Nellcor Compatibles.
00/08/2003	Cable Change on P867RA to achieve required results



Variation in product specification

P856RA Nellcor compatible

S/N 941568 ME to 941667 ME

Variation from Viamed specification:

During the design of this probe a range of Nellcor probes was tested for resistor value.

Nellcor use this resistor for two purposes.

- 1) It informs the instrument that a probe exists
- 2) Disposables probes use 8K23 8K03
- 3) Y use 7k97

It became apparent that a 7K5 ohm resistor was being used by Nellcor finger probes although no actual specification has been actually published. A wide variation around this value did not effect the accuracy of the probes.

However it was decided that Viamed would use 7K5 ohm +/- 1%

Although this increased the expense it was felt that it would be better to be as accurate as possible leaving a larger margin for errors.

This batch appear to be using a +/- 5% tolerance resistor.

Although accuracy should not be compromised the supplier has been advised that in future the correct specification for this resistor must be used.

This batch have all been tested and released on my authority

J.S.Lamb

Managing Director

30/11/00



Variation in Product Specification

P856RA – Nellcor Compatible

Serial Numbers: 941568ME to 941667ME

Variation from Viamed Specification

During the Design of this probe, a range of Nellcor probes were tested for resistor value.

Nellcor use this resistor for two purposes:

- 1. It informs the instrument that a probe exists
- 2. Disposable probes use 8K23 8K03
- 3. Y Probes use 7K97

It became apparent that a "7K5" ohms resistor was being used by Nellcor fingerprobes, although no actual specification has been actually published. A wide variation around this value did not affect the accuracy of the probes.

However, it was decided that Viamed would use 7K5 ohms \pm 1%.

Although this increased the expense, it was felt that it would be better to be as accurate as possible, leaving a larger margin for errors.

This batch appears to be using $a \pm 5\%$ tolerance resistor.

Although accuracy should not be compromised, the supplier has been advised that in future, the correct specification for this resistor must be used.

This batch have all been tested and released on the authority of:

J.S. Lamb Managing Director

30/11/2000