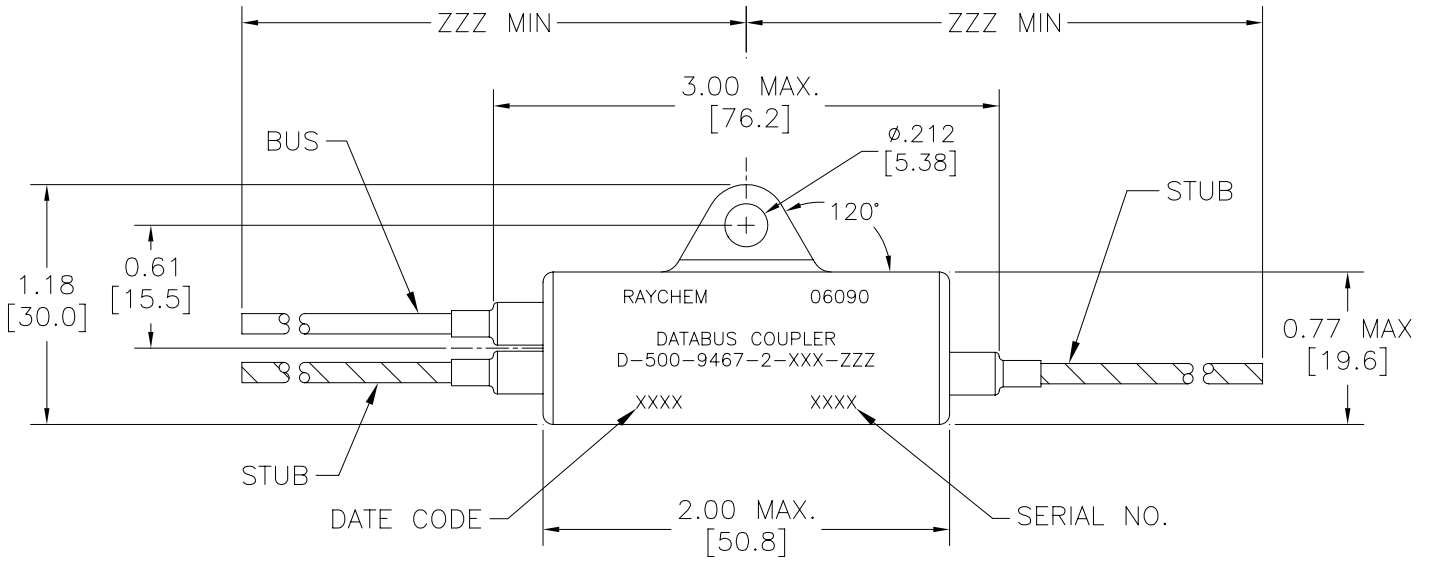
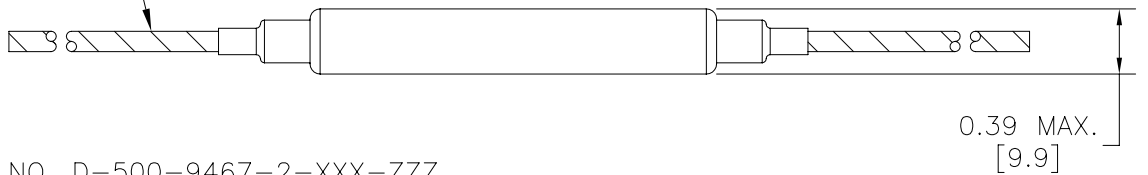


| REVISION |                                 |         |
|----------|---------------------------------|---------|
| REV      | DESCRIPTION                     | DATE    |
| C        | REVISED DWG PER DCR NO. C050832 | 1/10/06 |



BLUE STRIPE DENOTES STUB CABLE



PART NO. D-500-9467-2-XXX-ZZZ

2 = DOUBLE STUB  
 CABLE  
 LENGTH OF CABLE (INCHES)

S16 = OPTIMIZED SINGLE SHIELD  
 S36 = OPTIMIZED DOUBLE SHIELD  
 S86 = EMP HARDENED

| COMONENT NUMBER      | BUS CABLE   | STUB CABLE   |
|----------------------|-------------|--------------|
| D-500-9467-2-S16-ZZZ | 7724S1664-9 | 7724S1664-96 |
| D-500-9467-2-S36-ZZZ | 7724S3664-9 | 7724S3664-96 |
| D-500-9467-2-S86-ZZZ | 7724S8664-9 | 7724S8664-96 |

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SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE INCHES. METRIC DIMENSIONS ARE IN BRACKETS.

DRAWN T RATZLAFF DATE 20FEB2001



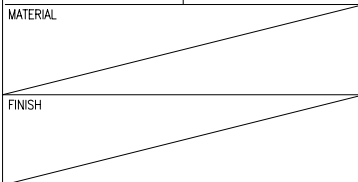
Tyco Electronics  
 300 CONSTITUTION DRIVE  
 MENLO PARK, CALIFORNIA 94025 USA

Raychem

DECIMAL TOLERANCES  
 .XXX ± 0.005 [ 0.13 mm]  
 .XX ± 0.010 [ 0.25 mm]  
 .X ± 0.020 [ 0.50 mm]

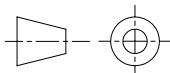
ANGLE TOLERANCE  
 .X ± 0.5 DEG.

WEIGHT  
 LBS. 0.0353 [ 16.0 gm]



TITLE  
 DATABUS MICROCOUPLER  
 DOUBLE STUB, W/INT TERMINATOR  
 AND MTG LUG, LOW OUTGASSING

THIRD ANGLE PROJECTION



SIZE A CODE IDENT. NO. 06090 DWG. NO. D-500-9467-2-XXX-ZZZ

CAD FILE C050832A

DO NOT SCALE THIS DRAWING SHEET 1 OF 2

1. MATERIAL AND FINISHES:

1.1 INTERNAL COMPONENTS

- 1.1.1 TRANSFORMER TO MIL-PRF-21038 AND MIL-STD-1553B
- 1.1.2 ISOLATION RESISTORS TO MIL-PRF-39007/8, 57.6 OHMS
- 1.1.3 TERMINATION RESISTORS TO MIL-PRF-39007/8, 76.8 OHMS
- 1.1.4 INTERNAL AND EXTERNAL COMPONENTS ATTACHED USING SN96 SOLDER
- 1.2 SHIELDED CASE: ALUMINUM PER ASTM-B618.
- 1.2.1 CASE FINISH: 65/35 Sn/Ni ALLOY, .0002/.0003 THK.
- 1.3 CABLE TYPE PER RAYCHEM SPECIFICATION 1200 (SEE TABLE ON SHEET 1).
- 1.4 STRAIN RELIEF TUBING: RAYCHEM RT-220, LOW OUTGASING TUBING.

2. APPLICATION:

- 2.1 THIS COUPLER IS DESIGNED TO BE INSTALLED INTO A DIGITAL MULTIPLEX HARNESS MEETING THE REQUIREMENTS OF MIL-STD-1553B AND NASA'S OUTGASSING SPECIFICATION SP-R-0022A.
- 2.1.1 THIS PRODUCT IS ASSEMBLED USING LOW OUTGASSING MATERIALS.
- 2.1.2 THIS PRODUCT IS NOT INTENDED FOR USE IN HIGH MOISTURE ENVIRONMENTS, NOR INTENDED FOR APPLICATIONS WHERE FLUID IMMERSION IS NECESSARY.
- 2.2 FOR CABLE SPLICING USE SPLICE KIT D-150-9708-5 (NOT SUPPLIED).
- 2.3 CABLE BEND RADIUS PER SAE-AS50881 STATIC BEND: 5 X CABLE O.D. MIN.  
DYNAMIC BEND: 10 X CABLE O.D. MIN.

3. TEMPERATURE:

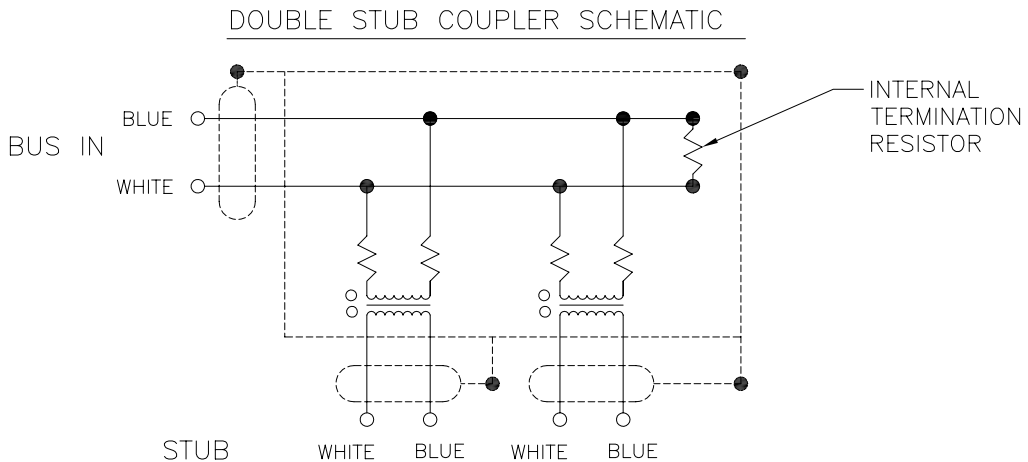
- 3.1 OPERATING TEMPERATURE: -65°C TO +150°C CONTINUOUS.

4. PERFORMANCE SPECIFICATIONS:

- 4.1 TRANSFORMER MEETS THE PERFORMANCE REQUIREMENTS OF MIL-STD-1553B.

5. WEIGHT:

- 5.1 MAXIMUM WEIGHT WITHOUT CABLE: 16 GRAMS MAX.



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SPECIFICATION CONTROL DRAWING

|                      |                   |                                   |                          |                                  |          |
|----------------------|-------------------|-----------------------------------|--------------------------|----------------------------------|----------|
| DRAWN<br>T RATZLAFF  | DATE<br>20FEB2001 | SIZE<br>A                         | CODE IDENT. NO.<br>06090 | DWG. NO.<br>D-500-9467-2-XXX-ZZZ | REV<br>C |
| CAD FILE<br>C050832B |                   | <b>tyco</b><br><b>Electronics</b> |                          | DO NOT SCALE THIS DRAWING        |          |
|                      |                   |                                   |                          | SHEET 2 OF 2                     |          |