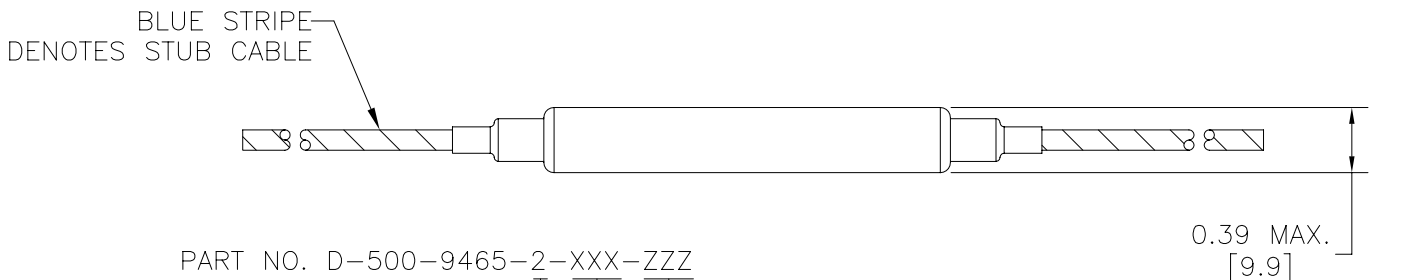
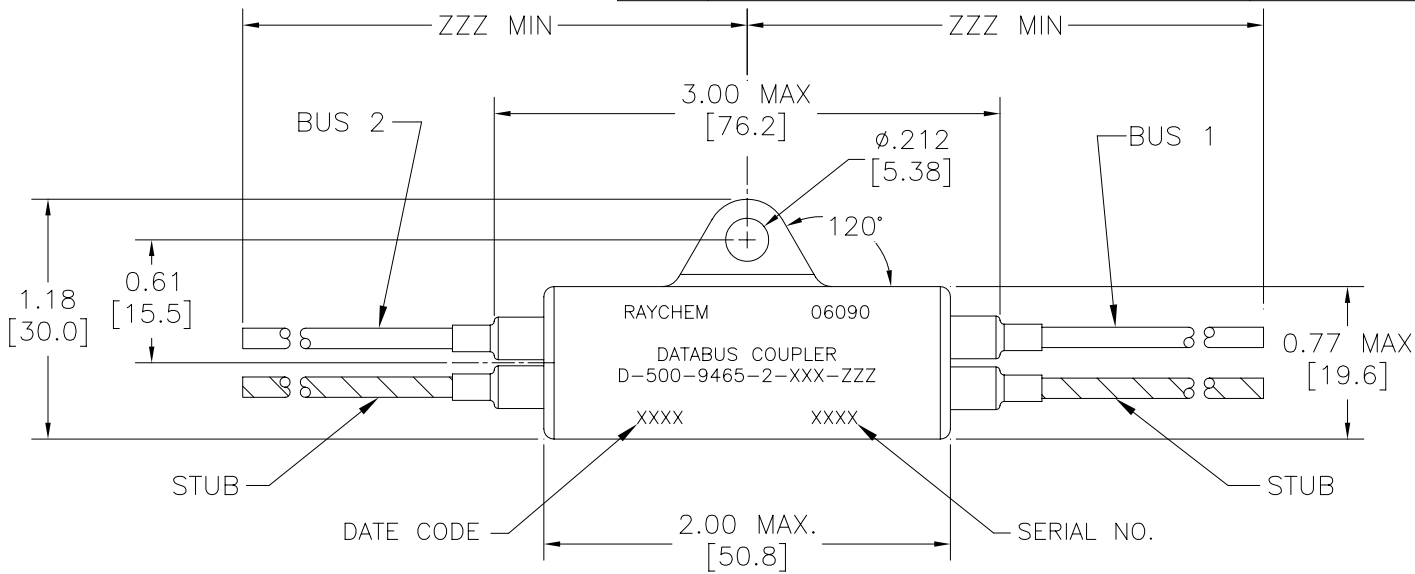


| REVISION | | |
|----------|---------------------------------|---------|
| REV | DESCRIPTION | DATE |
| D | REVISED DWG PER DCR NO. C050824 | 1/10/06 |



PART NO. D-500-9465-2-XXX-ZZZ

2 = DOUBLE STUB

LENGTH OF CABLE (INCHES)

CABLE

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

| COMONENT NUMBER | BUS CABLE | STUB CABLE |
|----------------------|-------------|--------------|
| D-500-9465-2-S16-ZZZ | 7724S1664-9 | 7724S1664-96 |
| D-500-9465-2-S36-ZZZ | 7724S3664-9 | 7724S3664-96 |
| D-500-9465-2-S86-ZZZ | 7724S8664-9 | 7724S8664-96 |

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

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.

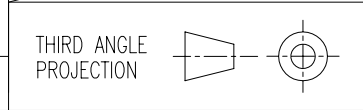
WEIGHT
 LBS. 0.0353 [16.0 gm]

| | |
|------------|-----------|
| DRAWN | DATE |
| T RATZLAFF | 20FEB2001 |
| MATERIAL | |
| FINISH | |

SPECIFICATION CONTROL DRAWING

| | | |
|--|--|----------------|
| | Tyco Electronics Corporation 300 Constitution Drive Menlo Park, CA. 94025 U.S.A. | Raychem |
| TITLE DATABUS MICROCOUPLER DOUBLE STUB, STD W/MTG LUG, LOW OUTGASSING | | |

CAD FILE C050824A



| | | |
|---------------------------|-----------------|----------------------|
| SIZE | CODE IDENT. NO. | DWG. NO. |
| A | 06090 | D-500-9465-2-XXX-ZZZ |
| 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 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:

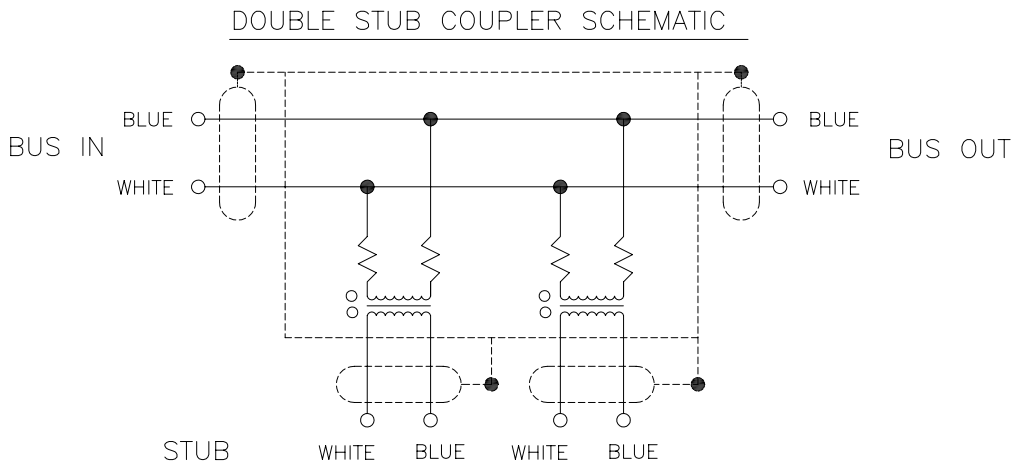
3.1 OPERATING TEMPERATURE: -65°C TO +150°C CONTINUOUS.

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 T RATZLAFF | DATE 20FEB2001 | SIZE A | CODE IDENT. NO. 06090 | DWG. NO. D-500-9465-2-XXX-ZZZ | REV D |
| CAD FILE C050824B | tyco Electronics | DO NOT SCALE THIS DRAWING | | | SHEET 2 OF 2 |