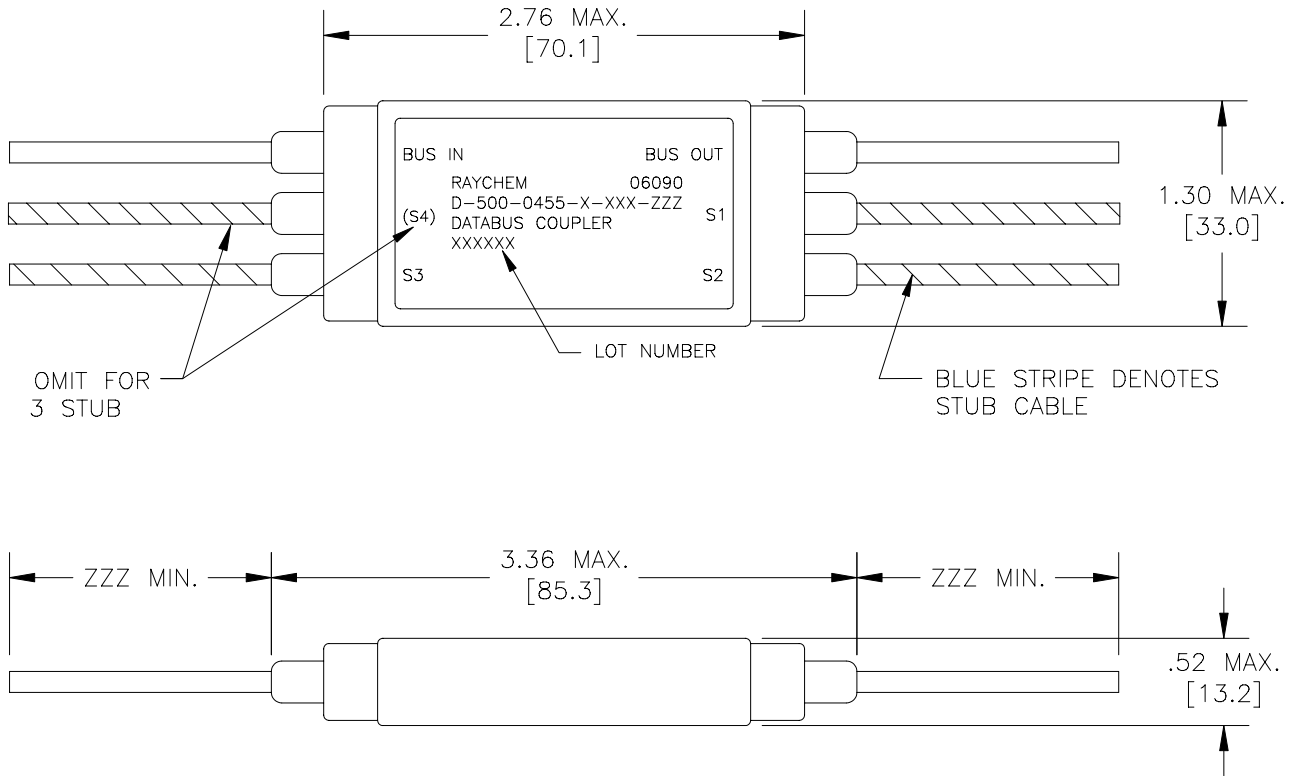


REVISION		
REV	DESCRIPTION	DATE
A	REVISED PER DCR NUMBER T31566	6/12/03

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Check for the latest revision.**



PART NO. D-500-0455-X-XXX-ZZZ

NUMBER OF STUBS (3 OR 4) ———  
 ——— LENGTH OF CABLE (EX. 024 = 24 IN.)  
 ——— CABLE TYPE  
 612: 10612 (SINGLE OPTIMIZED BRAID)  
 613: 10613 (DOUBLE OPTIMIZED BRAID)  
 614: 10614 (EMP HARDENED)

SPECIFICATION CONTROL DRAWING

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.

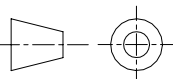
WEIGHT  
 SEE NOTES

DRAWN T RATZLAFF DATE 12DEC2001

MATERIAL

FINISH

THIRD ANGLE  
 PROJECTION



**tyco** Tyco Electronics  
**Electronics** 300 CONSTITUTION DRIVE  
 MENLO PARK, CALIFORNIA 94025 USA **Raychem**

TITLE  
 DATABUS COUPLER,  
 THREE/FOUR STUB,  
 IN-LINE, STANDARD

SIZE A CODE IDENT. NO. 06090 DWG. NO. D-500-0455-3/4-XXX-ZZZ

1. MATERIAL AND FINISHES:

1.1 INTERNAL COMPONENTS

1.1.1 TRANSFORMER COMPLIES TO MIL-PRF-21038 AND MIL-STD-1553B

1.1.2 RESISTORS TO MIL-PRF-39007/9, 57.6 OHMS

1.2 SHIELDED CASE: ALUMINUM PER ASTM-B618

1.3 CABLE TYPE PER RAYCHEM SPECIFICATION 1200 (SEE PART NO. ON SHEET 1).

1.4 ENVIRONMENTAL COVERING: BLACK EPOXY

2. APPLICATION

2.1 THIS COUPLER IS DESIGNED TO BE INSTALLED INTO A DIGITAL MULTIPLEX ASSEMBLY MEETING THE REQUIREMENTS OF MIL-STD-1553B.

2.2 FOR CABLE SPLICING USE FLEXIBLE SPLICE KIT D-150-0708-5 (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

4. PERFORMANCE SPECIFICATIONS:

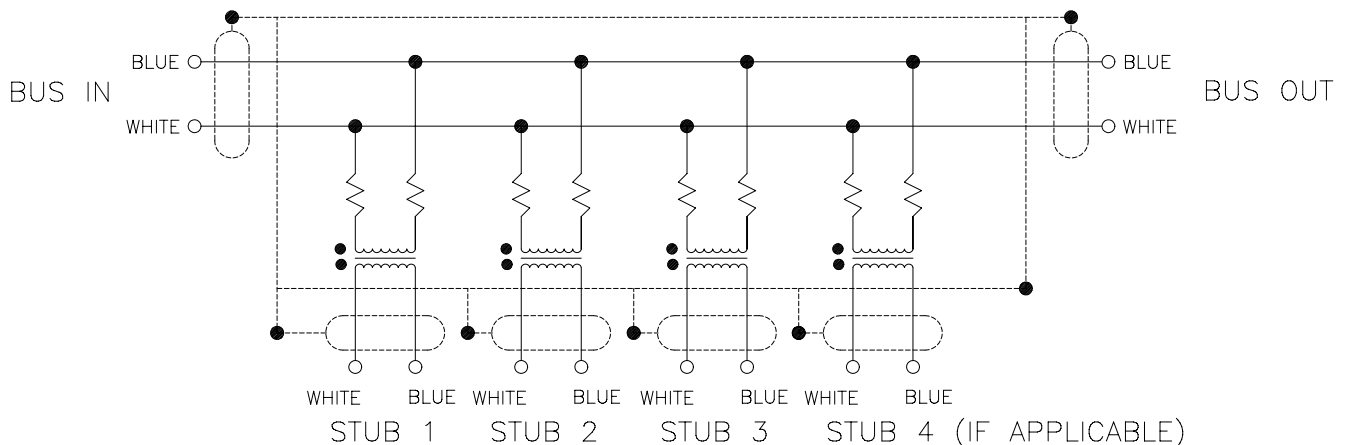
4.1 TRANSFORMER MEETS THE PERFORMANCE REQUIREMENTS OF MIL-STD-1553B.

4.2 COUPLER MEETS THE PERFORMANCE REQUIREMENTS OF RAYCHEM SPECIFICATION D-6020.

5. WEIGHT:

5.1 MAXIMUM WEIGHT WITHOUT CABLE: 50 GRAMS MAX.

THREE/FOUR STUB COUPLER SCHEMATIC



SPECIFICATION CONTROL DRAWING

DRAWN T_RATZLAFF	DATE 12DEC2001	SIZE A	CODE IDENT. NO. 06090	DWG. NO. D-500-0455-3/4-XXX-ZZZ	REV A
CAD FILE T31566B	<b>tyco</b> <b>Electronics</b>		DO NOT SCALE THIS DRAWING		SHEET 2 OF 2