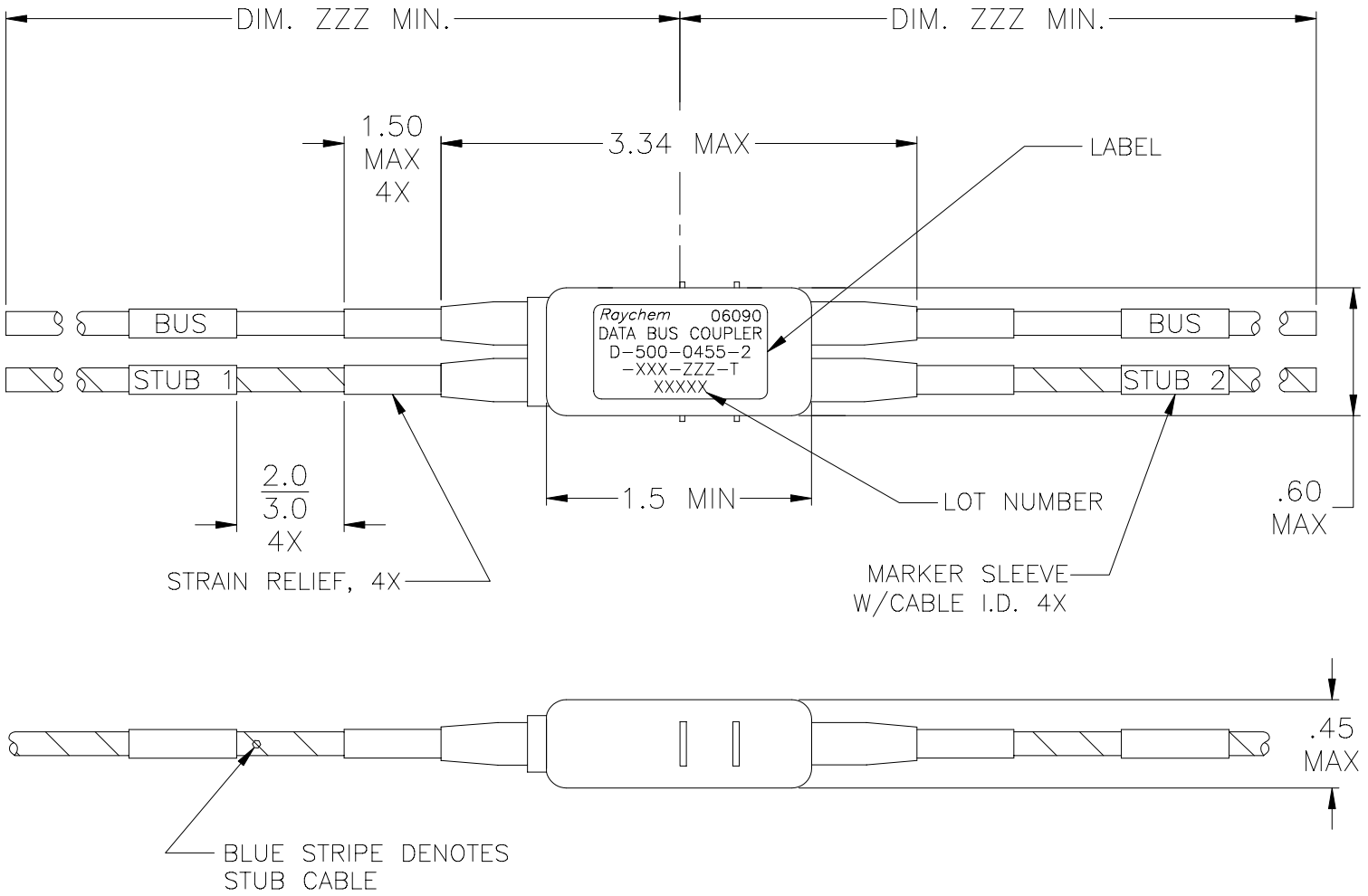


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REVISION		DATE
REV	DESCRIPTION	
C	REVISED PER DCR NO. T-31846	6/11/03



PART NO. D-500-0455-2-XXX-ZZZ-T  
 2=DOUBLE STUB ——— TUBING, STRAIN RELIEF  
 ——— LENGTH OF CABLE (INCHES)  
 CABLE

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.

DRAWN T RATZLAFF DATE 16JAN2001

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

DECIMAL TOLERANCES  
 .XXX ± --- [ --- mm]  
 .XX ± --- [ --- mm]  
 .X ± --- [ --- mm]

ANGLE TOLERANCE  
 .X ± ---

WEIGHT  
 SEE NOTES

MATERIAL  
 FINISH

TITLE  
 DATABUS COUPLER  
 DOUBLE STUB, IN-LINE  
 W/CABLE STRAIN RELIEF

THIRD ANGLE PROJECTION

SIZE A CODE IDENT. NO. 06090 DWG. NO. D-500-0455-2-XXX-ZZZ-T

1. MATERIAL AND FINISHES:

## 1.1 INTERNAL COMPONENTS:

1.1.1 -TRANSFORMER 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 SEALED STRAIN RELIEF COVER: MODIFIED CROSS-LINKED ELASTOMER, BLACK, TO RAYCHEM SPECIFICATION RK-6713.

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

1.5 STRAIN RELIEF TUBING: RAYCHEM TAT-125.

2. APPLICATION:

2.1 THIS COUPLER IS DESIGNED TO BE INSTALLED AS 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

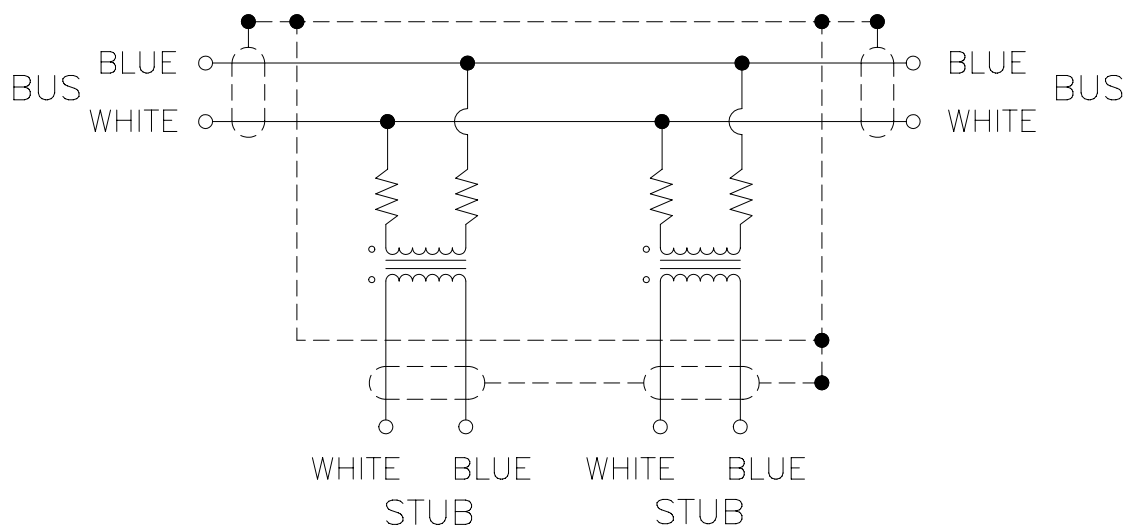
4. PERFORMANCE SPECIFICATIONS:

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: 17 GRAMS MAX.

DOUBLE STUB COUPLER SCHEMATIC

## SPECIFICATION CONTROL DRAWING

DRAWN T RATZLAFF	DATE 16JAN2001	SIZE A	CODE IDENT. NO. 06090	DWG. NO. D-500-0455-2-XXX-ZZZ-T	REV C
CAD FILE T31846B	<b>tyco</b> <b>Electronics</b>	DO NOT SCALE THIS DRAWING			SHEET 2 OF 2