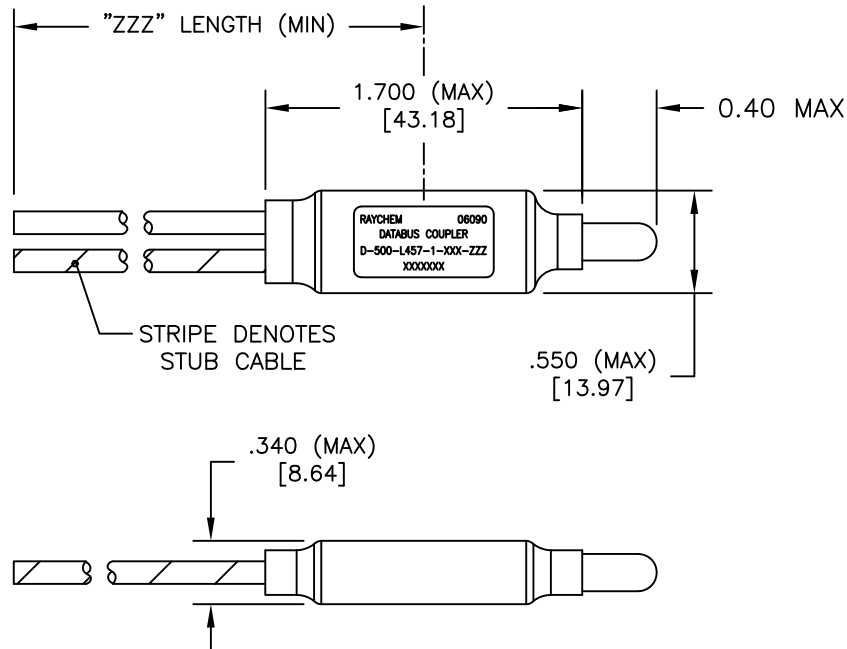


REVISION		
REV	DESCRIPTION	DATE
C	REVISED PER ECO-12-018952	26OCT2012



# COMPONENT NUMBER

D-500-L457-1-XXX-ZZZ

7: INTERNAL TERMINATION RESISTOR

SCHEMATIC

CABLE LENGTH  
(INCHES)

NUMBER  
OF STUBS

CABLE

612: 10612 (OPTIMIZED SINGLE SHIELD)  
 613: 10613 (OPTIMIZED DOUBLE SHIELD)  
 614: 10614 (EMP HARDENED)  
 EP3: EPD30653Q (BUS), EPD31346A-6L9-US (STUB)  
 (OPTIMIZED DOUBLE SHIELD)  
 H06: 7724H0664 (FLAT SHIELD WIRE, UNFILLED)  
 6D0: 7726D0664 26 AWG OPTIMIZED SINGLE SHIELD  
 6D3: 7726D3664 26 AWG OPTIMIZED DOUBLE SHIELD

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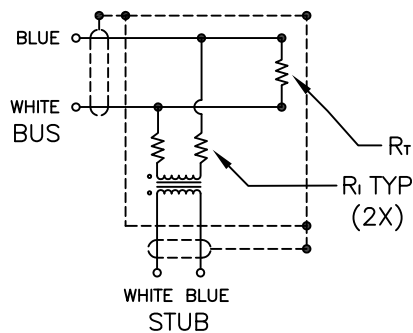
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Raychem Databus  
CUSTOMER DRAWING

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE INCHES. METRIC DIMENSIONS ARE IN BRACKETS.</p> <p>DECIMAL TOLERANCES</p> <p>.XXX ± 0.005 [ 0.13 mm]                  .XX ± 0.010 [ 0.25 mm]                  .X ± 0.020 [ 0.50 mm]</p> <p>ANGLE TOLERANCE                  .X ± 0.5 DEG.</p> <p>WEIGHT WITHOUT CABLE (MAX)                  LBS. 0.0161 [ 7.30 gm]</p> <p>CAD FILE                  D-500-L457-1-XXX-ZZZ.a</p>	<p>DRAWN T RATZLAFF</p>	<p>DATE 07DEC2001</p>	<p><b>TE</b> TE Connectivity</p>	
	<p>MATERIAL</p>	<p>FINISH</p>	<p>TITLE DATABUS MICROCOUPLER, SINGLE STUB, LIGHTWEIGHT</p>	
<p>THIRD ANGLE PROJECTION</p>		<p>SIZE A</p>	<p>CODE IDENT. NO. 06090</p>	<p>DWG. NO. D-500-L457-1-XXX-ZZZ</p>
<p>DO NOT SCALE THIS DRAWING</p>			<p>SHEET 1 OF 2</p>	

1. MATERIAL AND FINISHES:
  - 1.1 INTERNAL COMPONENTS:
    - TRANSFORMER TO MIL-PRF-21038 AND MIL-STD-1553B
    - ISOLATION RESISTORS TO MIL-PRF-39007/9, 57.6 OHMS
    - TERMINATION RESISTOR TO MIL-PRF-39007/9, 76.8 OHMS
  - 1.2 SHIELDED CASE: ALUMINUM PER ASTM B 618 OR ASTM B211
  - 1.3 SEALED COVER: MODIFIED CROSS-LINKED, FLAME RETARDANT, BLACK, FLUOROPOLYMER TO RAYCHEM SPECIFICATION RT-370.
  - 1.4 CABLE TO RAYCHEM SPECIFICATION 1200.
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 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 COUPLER MEETS THE PERFORMANCE REQUIREMENTS OF MIL-STD-1553B AND USAF DRAWING 8912026.
5. WEIGHT:
  - 5.1 WEIGHT WITHOUT CABLE: 7.3 GRAMS (MAXIMUM).
6. ORDERING INFORMATION:
  - 6.1 ORDER PER COMPONENT NUMBER (SEE SHEET 1) AND DESIRED "ZZZ" CABLE LENGTH.
  - 6.2 SPECIFY CERTIFICATION OF CONFORMANCE REQUIREMENTS AS SEPARATE LINE ITEM.
  - 6.3 SPLICE KITS TO BE ORDERED SEPARATELY. PRODUCT NUMBER: D-150-0708-5.


SINGLE STUB COUPLER SCHEMATIC



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CUSTOMER DRAWING

DRAWN T RATZLAFF		DATE 07DEC2001		SIZE A	CODE IDENT. NO. 06090	DWG. NO. D-500-L457-1-XXX-ZZZ	REV C
CAD FILE D-500-L457-1-XXX-ZZZb				DO NOT SCALE THIS DRAWING		SHEET 2 OF 2	