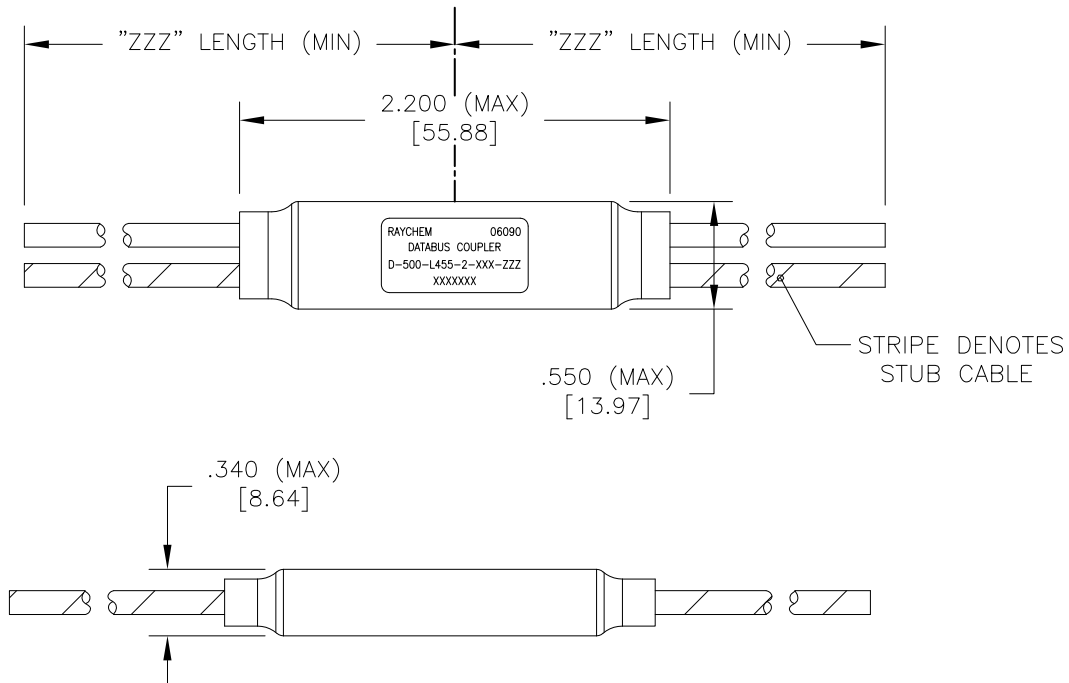


REVISION		
REV	DESCRIPTION	DATE
B	REVISED DWG PER ECO-11-008908	28APR2011



COMPONENT NUMBER

D-500-L455-2-XXX-ZZZ

SCHMATIC  
5: STANDARD

NUMBER  
OF STUBS

CABLE LENGTH  
(INCHES)

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

© 2011 Tyco Electronics Corporation. All Rights Reserved.

Raychem Databus  
CUSTOMER DRAWING

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

DRAWN	DATE
T RATZLAFF	07DEC2001



TE Connectivity

MATERIAL	/
FINISH	

TITLE  
DATABUS MICROCOUPLER,  
DOUBLE STUB,  
LIGHTWEIGHT

THIRD ANGLE  
PROJECTION

SIZE	CODE IDENT. NO.	DWG. NO.
A	06090	D-500-L455-2-XXX-ZZZ

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.

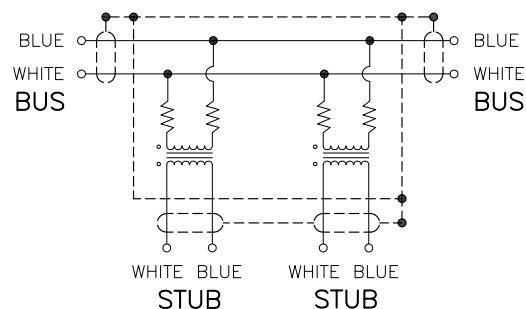
WEIGHT WITHOUT CABLE (MAX)  
LBS. 0.0209 [ 9.50 gm]

CAD FILE  
D-500-L455-2-XXX-ZZZa

DO NOT SCALE THIS DRAWING SHEET 1 OF 2

1. MATERIAL AND FINISHES:
  - 1.1 INTERNAL COMPONENTS:
    - TRANSFORMER TO MIL-PRF-21038 AND MIL-STD-1553B
    - RESISTORS TO MIL-PRF-39007/9, 57.6 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 RW3016.
  - 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: 9.5 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.

DOUBLE STUB COUPLER SCHEMATIC



© 2011 Tyco Electronics Corporation. All Rights Reserved.

Roychem Databus  
CUSTOMER DRAWING

DRAWN T RATZLAFF	DATE 07DEC2001		SIZE A	CODE IDENT. NO. 06090	DWG. NO. D-500-L455-2-XXX-ZZZ	REV B
CAD FILE D-500-L455-2-XXX-ZZZb			DO NOT SCALE THIS DRAWING		SHEET 2 OF 2	