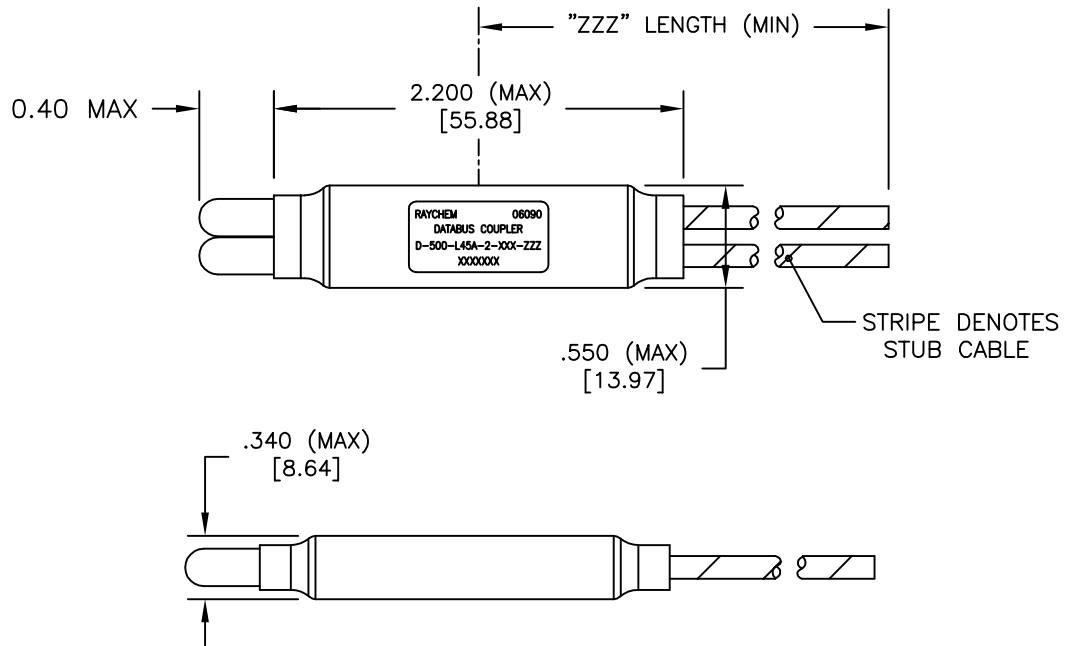


| REVISION |                           |           |
|----------|---------------------------|-----------|
| REV      | DESCRIPTION               | DATE      |
| B        | REVISED PER ECO-12-021274 | 05DEC2012 |



## COMPONENT NUMBER

D-500-L45A-2-XXX-ZZZ

A: REVERSE, 2 INTERNAL TERMINATORS

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)

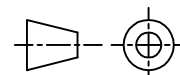
6D0: 7726D0664 26 AWG OPTIMIZED SINGLE SHIELD

6D3: 7726D3664 26 AWG OPTIMIZED DOUBLE SHIELD

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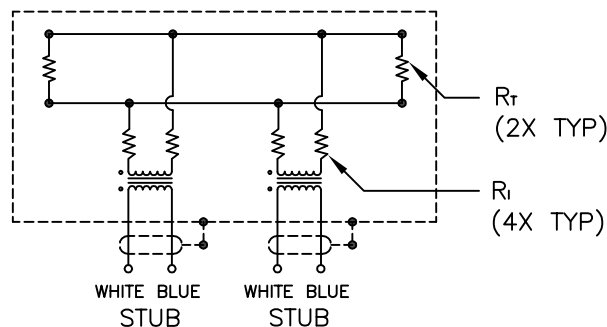
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Raychem Databus  
CUSTOMER DRAWING

|                                                                                                                                                                                                                                                                                                         |                           |                                                                                                  |                                                                                                      |           |                          |                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------|--------------------------|----------------------------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE INCHES. METRIC<br>DIMENSIONS ARE IN BRACKETS.<br><br>DECIMAL TOLERANCES<br>.XXX ± 0.005 [ 0.13 mm]<br>.XX ± 0.010 [ 0.25 mm]<br>.X ± 0.020 [ 0.50 mm]<br><br>ANGLE TOLERANCE<br>.X ± 0.5 DEG.<br><br>WEIGHT WITHOUT CABLE (MAX)<br>LBS. 0.4725 [ 12.00 gm] | DRAWN<br>T RATZLAFF       | DATE<br>13MAR2003                                                                                |  TE Connectivity |           |                          |                                  |
|                                                                                                                                                                                                                                                                                                         | MATERIAL                  | TITLE<br>DATABUS MICROCOUPLER,<br>TWO STUB, REVERSE,<br>TWO INTERNAL TERMINATORS,<br>LIGHTWEIGHT |                                                                                                      |           |                          |                                  |
|                                                                                                                                                                                                                                                                                                         | FINISH                    |                                                                                                  |                                                                                                      |           |                          |                                  |
| CAD FILE<br>D-500-L45A-2-XXX-ZZZa                                                                                                                                                                                                                                                                       | THIRD ANGLE<br>PROJECTION |               |                                                                                                      | SIZE<br>A | CODE IDENT. NO.<br>06090 | DWG. NO.<br>D-500-L45A-2-XXX-ZZZ |
| 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
- ISOLATION RESISTORS TO MIL-PRF-39007/9, 57.6 OHMS
- TERMINATION RESISTORS TO MIL-PRF-39007/9, 76.8 OHMS

1.2 SHIELDED CASE: ALUMINUM PER ASTM B618 OR ASTM B2111.3 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°C4. PERFORMANCE SPECIFICATIONS:4.1 COUPLER MEETS THE PERFORMANCE REQUIREMENTS OF MIL-STD-1553B AND USAF DRAWING 8912026.5. WEIGHT:5.1 WEIGHT WITHOUT CABLE: 12.0 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.TWO STUB COUPLER SCHEMATIC

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Raychem Databus  
CUSTOMER DRAWING

|                                   |  |                   |                                                                                     |                           |                          |                                  |          |
|-----------------------------------|--|-------------------|-------------------------------------------------------------------------------------|---------------------------|--------------------------|----------------------------------|----------|
| DRAWN<br>T RATZLAFF               |  | DATE<br>13MAR2003 |  | SIZE<br>A                 | CODE IDENT. NO.<br>06090 | DWG. NO.<br>D-500-L45A-2-XXX-ZZZ | REV<br>B |
| CAD FILE<br>D-500-L45A-2-XXX-ZZZb |  |                   |                                                                                     | DO NOT SCALE THIS DRAWING |                          | SHEET 2 OF 2                     |          |

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Components Supply Platform

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➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct    +86 (21) 6401-6692  
Email     amall@ameya360.com  
QQ        800077892  
Skype     ameyasales1 ameyasales2

➤ Customer Service :

Email     service@ameya360.com

➤ Partnership :

Tel        +86 (21) 64016692-8333  
Email     mkt@ameya360.com