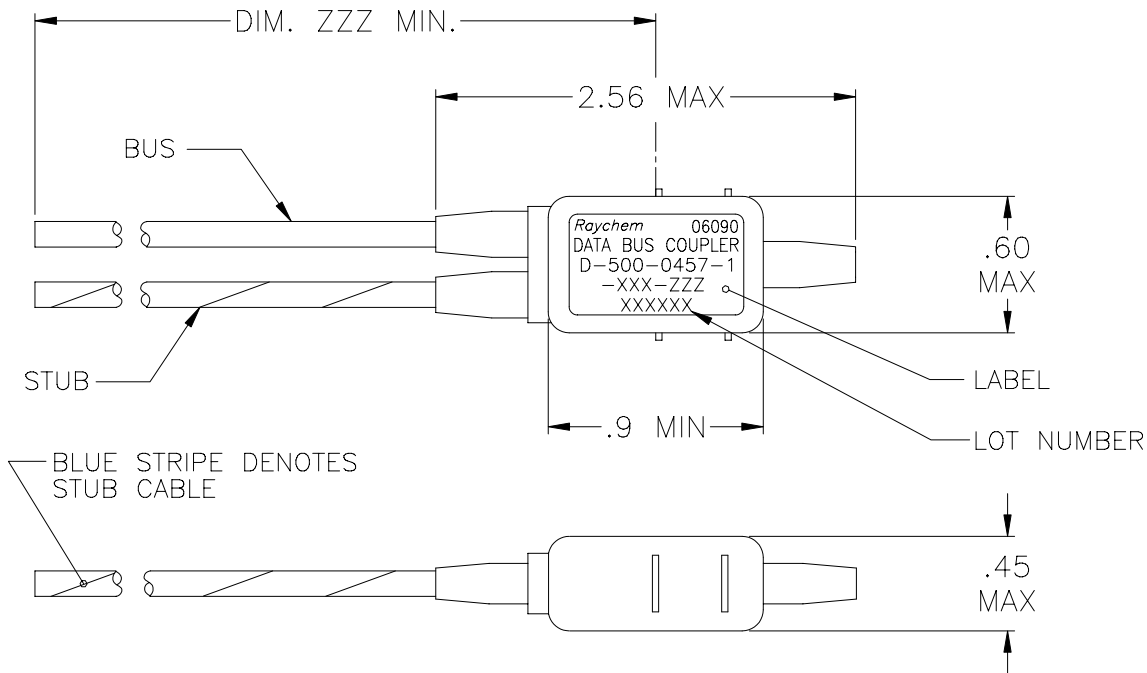


REVISION		
REV	DESCRIPTION	DATE
B	REVISED PER DCR NUMBER T31568	6/11/03



COMPONENT NUMBER	BUS CABLE	STUB CABLE
D-500-0457-1-612-ZZZ	10612-24-9	10612-24-96
D-500-0457-1-613-ZZZ	10613-24-9	10613-24-96
D-500-0457-1-614-ZZZ	10614-24-9	10614-24-96

PART NO. D-500-0457-1-XXX-ZZZ

SCHEMATIC

7=TERMINATOR (AS SHOWN)

LENGTH OF CABLE (INCHES)

CABLE

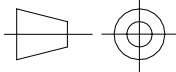
612=10612 (SINGLE OPTIMIZED BRAID)

613=10613 (DOUBLE OPTIMIZED BRAID)

614=10614 (EMP HARDENED)

1=SINGLE STUB

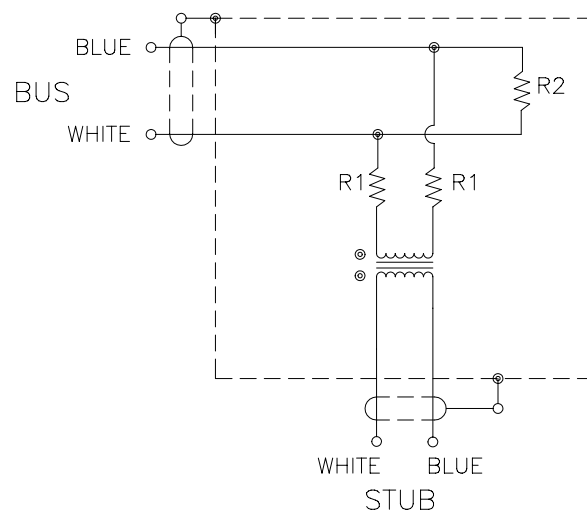
If this document is printed it becomes uncontrolled.
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE INCHES. METRIC DIMENSIONS ARE IN BRACKETS.				DRAWN D.PIQUE		DATE 95MAY11		SPECIFICATION CONTROL DRAWING							
DECIMAL TOLERANCES .XXX ± --- [--- mm] .XX ± --- [--- mm] .X ± --- [--- mm] ANGLE TOLERANCE .X ± --- WEIGHT SEE NOTES				MATERIAL		FINISH		tyco Electronics		Tyco Electronics 300 CONSTITUTION DRIVE MENLO PARK, CALIFORNIA 94025 USA		Raychem			
				TITLE				DATABUS MICROCOUPLER, SINGLE STUB, IN-LINE 04 SERIES WITH BUS TERMINATOR							
				CAD FILE T31568A		THIRD ANGLE PROJECTION				SIZE A	CODE IDENT. NO. 06090		DWG. NO. D-500-0457-1-XXX-ZZZ		
								DO NOT SCALE THIS DRAWING				SHEET 1 OF 2			

1. MATERIAL AND FINISHES:
 - 1.1 INTERNAL COMPONENTS:
 - 1.1.1 –TRANSFORMER TO MIL–PRF–21038 AND MIL–STD–1553B
 - 1.1.2 –RESISTORS, ISOLATION PER MIL–PRF–39007/9, 57.6 OHMS (R1)
 - 1.1.3 –RESISTOR, TERMINATION PER MIL–PRF–39007/9, 76.8 OHMS (R2)
 - 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).
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:

10 GRAMS MAX.

ONE STUB COUPLER SCHEMATIC



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SPECIFICATION CONTROL DRAWING

DRAWN DCP	DATE 95MAY11	SIZE A	CODE IDENT. NO. 06090	DWG. NO. D-500-0457-1-XXX-ZZZ	REV B
CAD FILE T31568B	tyco Electronics	DO NOT SCALE THIS DRAWING			SHEET 2 OF 2

Mouser Electronics

Authorized Distributor

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