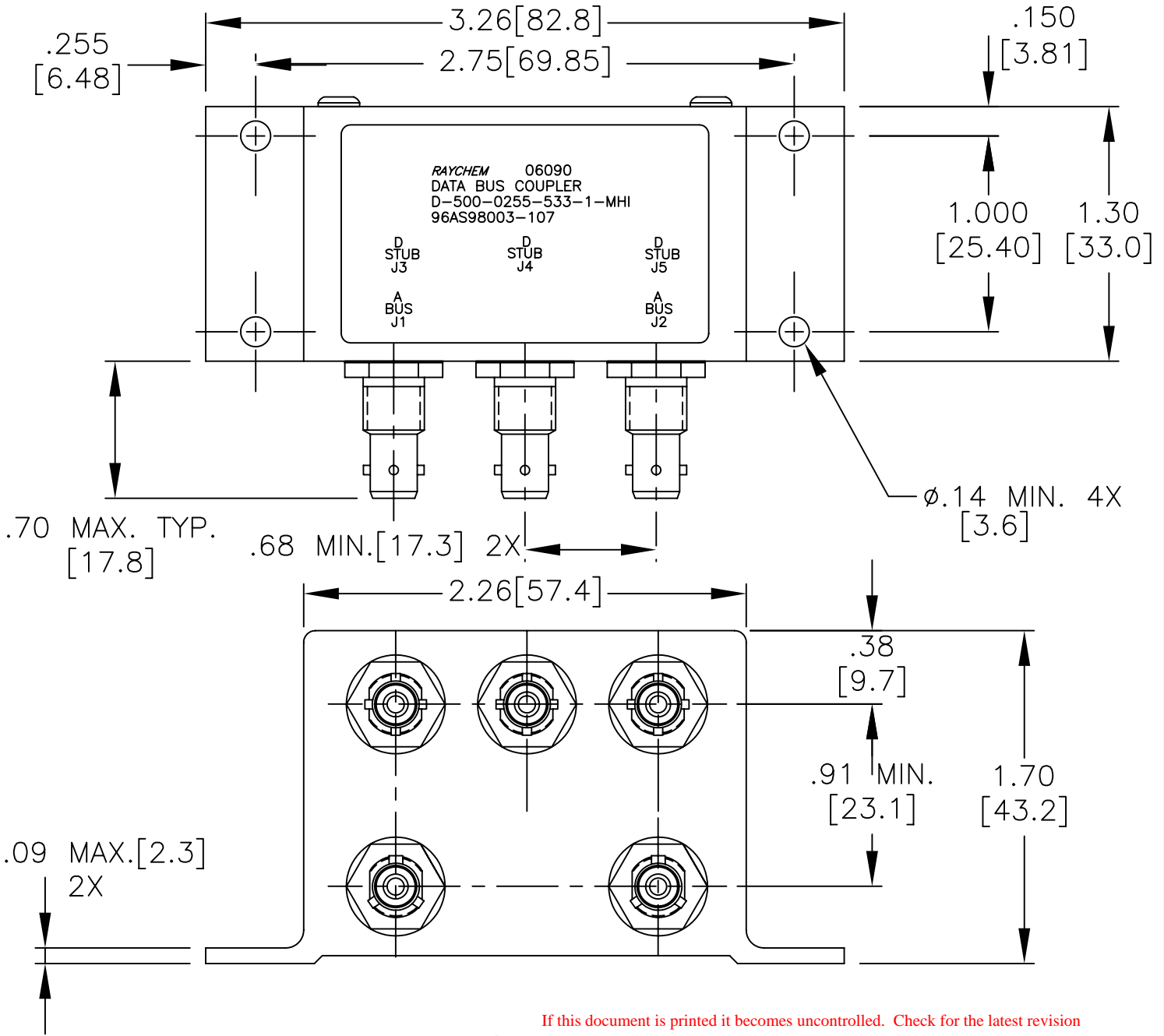


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REVISED PER DCR #T-24554	00APR10	TR
E	REVISED DWG PER DCR No. C070083	3/9/07	GMR



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SPECIFICATION CONTROL DRAWING

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

DECIMALS
.XXX ±.010 [---mm]
.XX ±.03 [---mm]

ANGLES
.X ±--

DRAWN MGH DATE 97JUL22

MATERIAL

FINISH

CAD NAME:
C070083A

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

TITLE
3 STUB DATABUS BAYONET
COUPLER WITH TRIAXIAL CONNECTORS

WEIGHT
146 GRAMS MAX

THIRD ANGLE
PROJECTION

SIZE A CODE IDENT. NO. 06090 DWG. NO. D-500-0255-533-1-MHI

DO NOT SCALE THIS DRAWING SHEET 1 OF 4

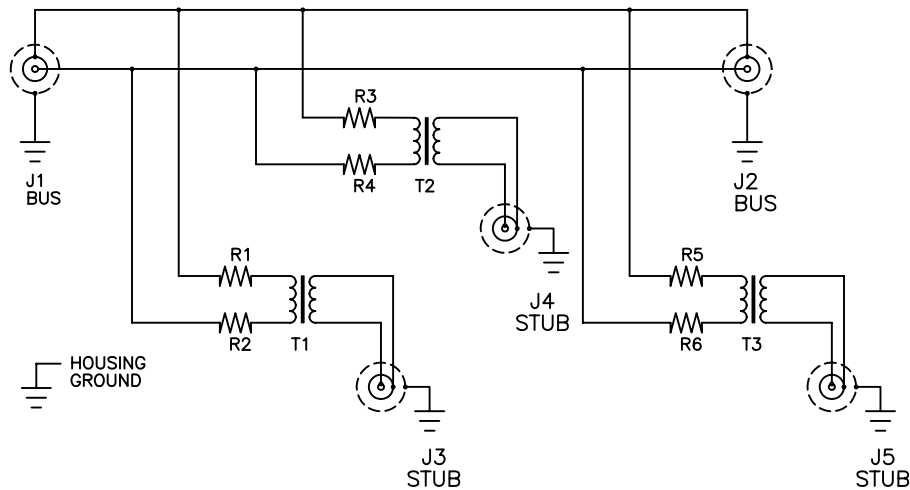
1.0 CONNECTOR PART NUMBERS

D-500-0255	BUS JACKS J1 AND J2	STUB JACKS J3 THRU J5
-533-1-MHI	DK-621-0434-1S "A" (8912004-00-05)	DK-621-0440-4P "D" (8912004-00-04)

2.0 INTERMATEABILITY

CONNECTOR BOX JACK	MATING PLUG	KEY ("X")
DK-621-0434-1S (8912004-00-05)	DK-621-0433-1P (8912003-00-01)	A
DK-621-0440-4P (8912004-00-04)	DK-621-0439-4S (8912003-00-08)	D

SCHEMATIC DIAGRAM



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CAD FILE C070083B			DO NOT SCALE THIS DRAWING		SHEET 2 OF 4

PRE-SHIPMENT TESTING: TO BE PERFORMED ON 100% OF COMPONENTS.

3.0 VISUAL CHECK

3.1 VISUAL CHECK SHALL BE PERFORMED PER RAYCHEM SPECIFICATION D-6021 AFTER ALL TESTS.

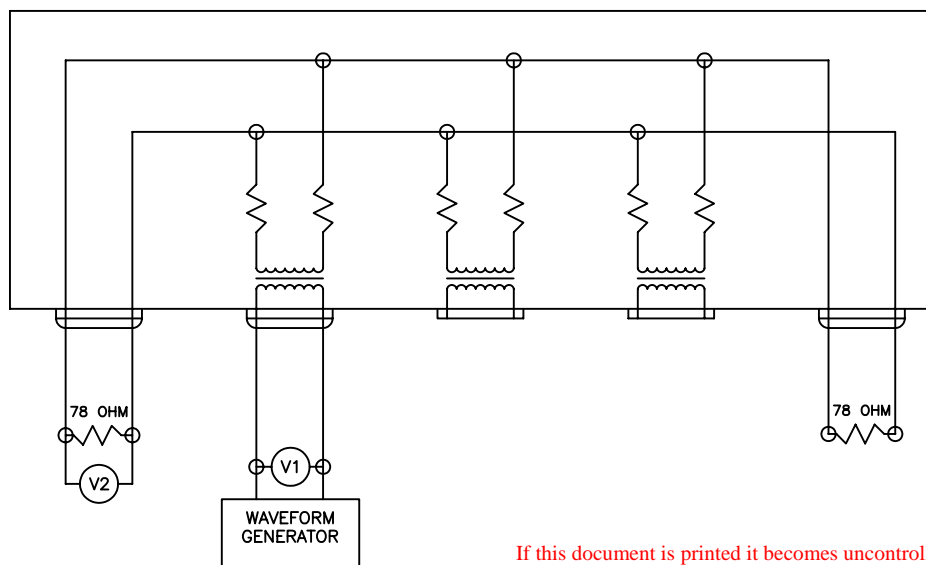
4.0 FUNCTIONAL TEST

4.1 COUPLER ASSEMBLY MAXIMUM VOLTAGE TEST SHALL BE PERFORMED USING THE TEST CONFIGURATION SHOWN BELOW. WHEN OUTPUT VOLTAGE IS MEASURED AT V2, THE VOLTAGE SHALL BE WITHIN THE LIMITS OF 5 TO 10 VOLTS AT THE PEAK-TO-PEAK VALUE OF LINE VOLTAGE. THIS TEST SHALL BE PERFORMED BY APPLYING A SQUARE WAVE FORM V1, WHICH ALLOWS PEAK-TO-PEAK VALUE OF 27V AND 250KHz WITH THE SAME 100 NANOSECOND RISE AND FALL TIME AS ABOVE. (TO BE PERFORMED ON ALL STUB LINES.)

4.2 COUPLER ASSEMBLY MINIMUM VOLTAGE TEST SHALL BE PERFORMED USING THE TEST CONFIGURATION SHOWN BELOW. WHEN OUTPUT VOLTAGE IS MEASURED AT V2, THE VOLTAGE SHALL BE WITHIN THE LIMITS OF 5 TO 10 VOLTS AT THE PEAK-TO-PEAK VALUE OF LINE VOLTAGE. THIS TEST SHALL BE PERFORMED BY APPLYING A SQUARE WAVE FORM V1, WHICH ALLOWS PEAK-TO-PEAK VALUE OF 18V AND 250KHz WITH THE SAME 100 NANOSECOND RISE AND FALL TIME AS ABOVE. (TO BE PERFORMED ON ALL STUB LINES.)

FIG-1 FUNCTION TEST CONFIGURATION

TWO STUB COUPLER SCHEMATIC



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SPECIFICATION CONTROL DRAWING

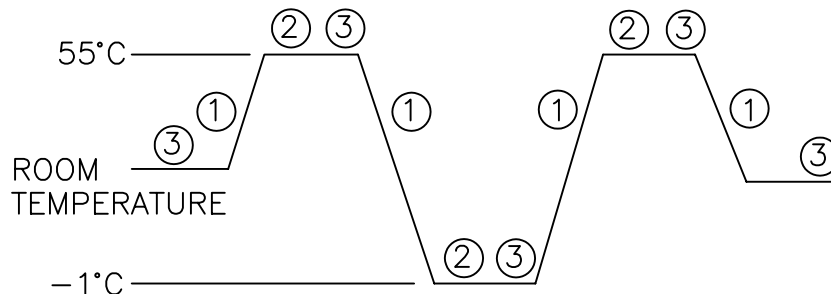
DRAWN	DATE	SIZE	CODE IDENT. NO.	DWG. NO.	REV
MGH	97JUN3	A	06090	D-500-0255-533-1-MHI	E
CAD FILE	tyco	DO NOT SCALE THIS DRAWING			SHEET 3 OF 4
C070083C	Electronics				

5.0 RANDOM VIBRATION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH MIL-STD-202, METHOD 214, FOR 60 SECONDS IN EACH OF 3 MUTUALLY PERPENDICULAR AXES USING THE SPECTRUM SHOWN BELOW. THE COUPLER ASSEMBLY SHALL SHOW NO VISIBLE EVIDENCE OF FUNCTIONAL DAMAGE, NO ELECTRICAL SHORT CIRCUITS AND NO ELECTRICAL DISCONTINUITIES GREATER THAN 1 MICROSECOND DURING THE TEST. FUNCTIONAL TESTING SHALL BE PERFORMED AFTER THE TEST FOR EACH AXIS.

FREQUENCY (Hz)	POWER SPECTRAL DENSITY (g ² Hz)	SPECTRAL DENSITY (m/s ²) ² /Hz	RAMP RATE (dB/OCTAVE)
20	0.00236	0.2265	
20-40			+18
40-135	0.1507	14.49	
135-140			-12
140-370	0.1306	12.56	
370-446			-10
446-630	0.0703	6.764	
630-1205			-9
1205-2000	0.0100	0.9663	

OVERALL VIBRATION LEVEL: 9.5 G rms

6.0 THERMAL CYCLING TESTING SHALL BE PERFORMED IN ACCORDANCE WITH MIL-STD-202, METHOD 107, USING THE TEST CONDITIONS SHOWN BELOW. THE COUPLER ASSEMBLY SHALL SHOW NO VISIBLE EVIDENCE OF FUNCTIONAL DAMAGE, NO ELECTRICAL SHORT CIRCUITS AND NO ELECTRICAL DISCONTINUITIES GREATER THAN 1 MICROSECOND DURING THE TEST.



- ① RAMP RATE: 0.5° TO 1.0°C/MINUTE.
- ② MAINTAIN TEMPERATURE NOT LESS THAN 1 HOUR AFTER STABILIZATION.
- ③ PERFORM FUNCTIONAL TEST AT THE END OF EACH TEMPERATURE DWELL.

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