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REV. A	SHEET 1 OF 1	DOCUMENT NO. 21-033397-291
REVISIONS		
LTR	DESCRIPTION	DATE
A	INITIAL RELEASE	---

21-033397-291

SHEET 1 OF 1

REV. A

C

B

A

Technical drawing of a contact socket. The drawing includes a front view on the left showing a circular contact with four inner tails and a diameter of  $\phi .314^{+.002}_{-.001}$ . The side view in the center shows a cylindrical body with a length of  $1.035 \pm .015$  (6 PLACES), a diameter of  $.625^{+.006}_{-.001}$ , and a diameter of  $.608 \pm .005$ . The detail view on the right shows a cross-section of the contact with a diameter of  $\phi .025 \pm .002$  and 4 INNER TAILS. A feature control symbol '6' is shown with a tolerance of  $.030$  MAX. Section lines R-R are indicated.

Detail view of the contact showing a  $45^\circ$  angle and a diameter of  $.021^{+.002}_{-.001}$  X. The drawing also shows a diameter of  $.249$  and 2 OUTER TAILS.

VIEW AT R-R

6. EPOXY MAY BE PRESENT ON CONTACT IN INDICATED AREA.

5. MATES WITH M38999 QUADRAX PINS 21-033384-( ) AND OTHERS.

4. ALL DIMENSIONS ARE AFTER PLATING AND PRETINNING.

3. MATERIALS:  
 OUTER AND INNER CONTACTS - BERYLLIUM COPPER PER ASTM-B-196  
 FRONT INSULATOR AND SPACER INSULATOR - TFE RESIN PER AMS 3651

2. FINISH:  
 GOLD PLATED PER MIL-G-45204 TYPE II, GRADE C, CLASS I (.000050 MIN)  
 OVER NICKEL PLATE PER QQ-N-290 (.000050 MIN).

1. CONTACTS MEET THE ENVELOPE DIMENSIONAL REQUIREMENTS OF M39029/91.

NOTES:

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REV. A

10-628485-562X

NEXT ASSEMBLY

PRO/ENGINEER INFORMATION

Pro/e Model Used:  
 21-033397-291.ASSEM  
 Drawing Name:  
 21-033397-291

LEGENDS:  
 =FLAG NOTE CALL OUT REFERENCE ONLY

UNLESS OTHERWISE SPECIFIED		SPECIFICATIONS		PARTS LIST	
POS	QTY	PART NUMBER	DESCRIPTION	NOTE	
I	I	21-033397-291M	CONTACT, SOCKET, QUAD, PCB		
MATERIAL SPEC.		APPROVALS		DATE	
N/A		PREPARED BY	J. BORDEAU		
		ENGINEER IN CHARGE	D. PHILLIPS	17-0c1-07	
		DESIGN MANAGER	H. JOHNSON		
PROCESS SPEC.		DESIGN ACTIVITY GROUP		MIL AERO DEVELOP	
N/A		THIRD ANGLE PROJECTION			
SIZE	CAGE CODE	DOCUMENT NO.	REV.		
C	77820	21-033397-291	A		
SCALE: 6.0	REF. 21-33397-21	SHEET 1 OF 1			

**AMPHENOL CORPORATION**  
 40-60 DELAWARE AVENUE  
 SIDNEY, N.Y. 13856

**CONTACT, SOCKET, QUADRAX,  
 ELECTRICAL CONNECTOR,  
 TYPE M38999 I & III, PCB**

REV. 2

REV. A

RELEASE STATE  
Released

REV. A

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