

# MATERIALS & SPECIFICATIONS

PART NO.	A29100-009	REV	ECO	DATE	APP
		K	102551	05-03-16	TLM

**HOUSING:**  
ALUMINUM 6061-T6, NICKEL PLATE  
PER SAE-AMS-2404

**INSULATOR:**  
LIQUID CRYSTAL POLYMER (LCP) PER  
ASTM D5138

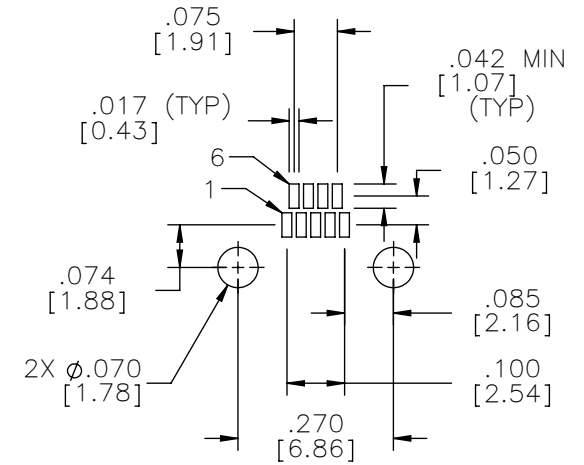
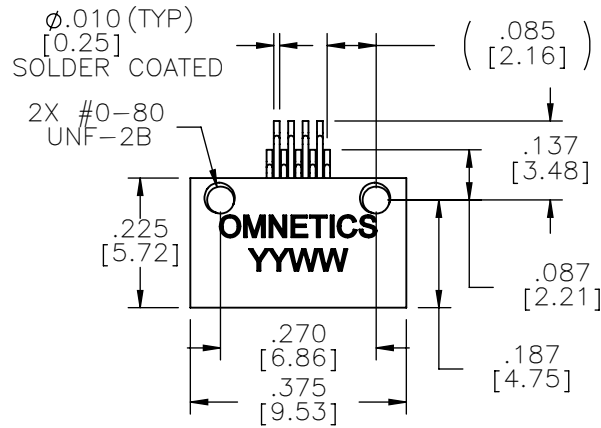
**CONTACTS:**  
COPPER ALLOY PER MIL-DTL-32139,  
GOLD PLATED PER ASTM B488,  
(HARD GOLD) TYPE II CODE C CLASS  
1.27

**TERMINATIONS:**  
SOLDER COATED WITH SN63A  
PER J-STD-006

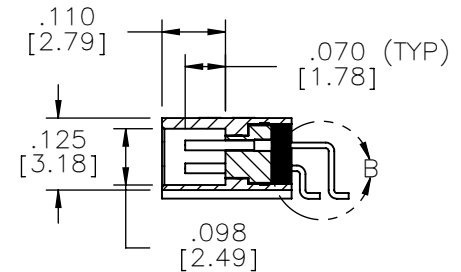
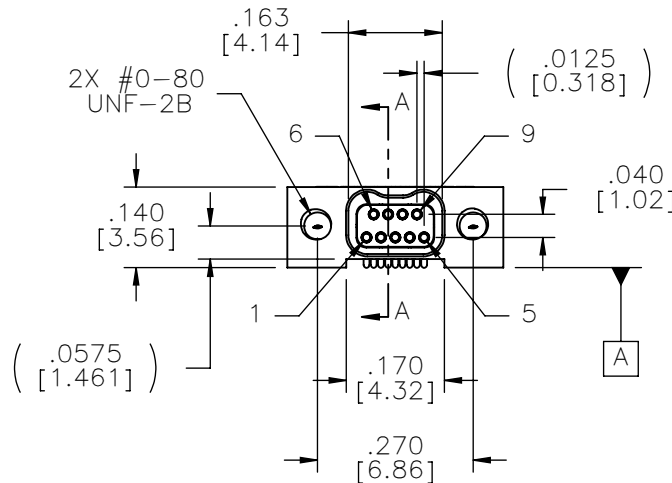
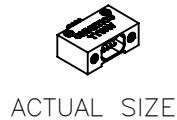
**CURRENT RATING:**  
1 AMP MAX PER MIL-DTL-32139

**CONTACT RESISTANCE:**  
71 MILLIOHM MAX (71mV DROP MAX)  
@ 1.0 AMPS PER MIL-DTL-32139

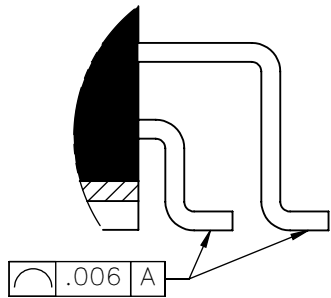
**PERFORMANCE:**  
PRODUCT FAMILY TESTED TO AND  
PASSED THE PERFORMANCE  
SPECIFICATIONS OF TABLE VIII OF  
MIL-DTL-32139



SUGGESTED PAD LAYOUT



SECTION A-A



DETAIL B  
SCALE 10 : 1

**NOTE:**

DIMENSIONS IN [ ] ARE IN MILLIMETERS UNLESS OTHERWISE NOTED AND ARE FOR REFERENCE ONLY

MATERIALS	THIRD ANGLE
	-TOLERANCES-
	UNLESS OTHERWISE NOTED
	DIMENSIONS IN INCHES
2	PL DEC ± .01
3	PL DEC ± .005
4	PL DEC ± .0005
	ANGLES ± 1°

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DFTM. AAS	DATE 05-10-04
CHK'D.	DATE
APP'D.	DATE
TITLE: (09) SOCKET FEMALE Bi-Lobe® CONNECTOR	

**OMNETICS**  
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WWW.OMNETICS.COM

CAGE CODE 61873	
DWG NO. A29100-009	
SHEET 1 OF 1	REV K
SCALE: 3:1	