

# MATERIALS & SPECIFICATIONS

**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

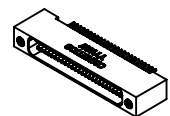
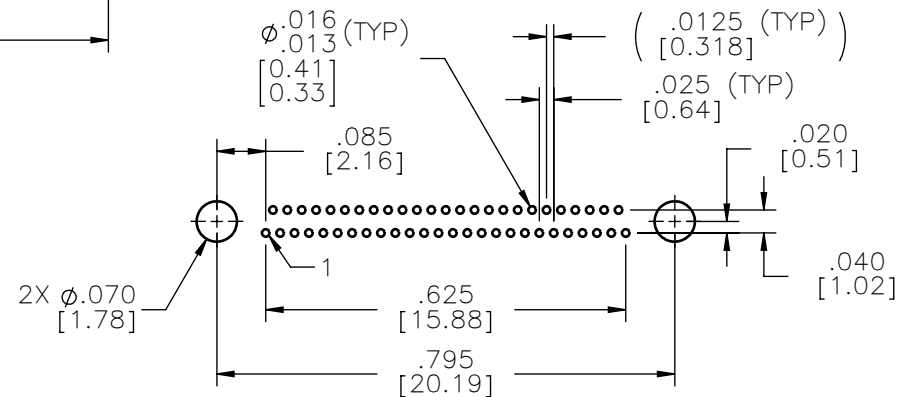
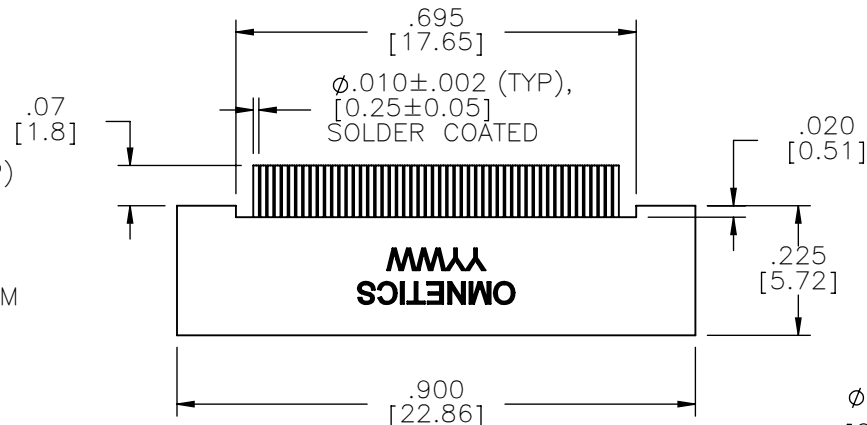
**TERMINATION:**  
SOLDER COATED WITH SN63A  
PER J-STD-006

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

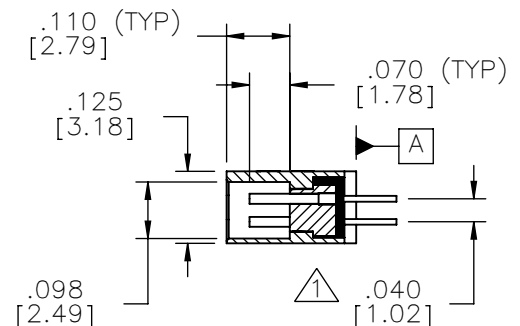
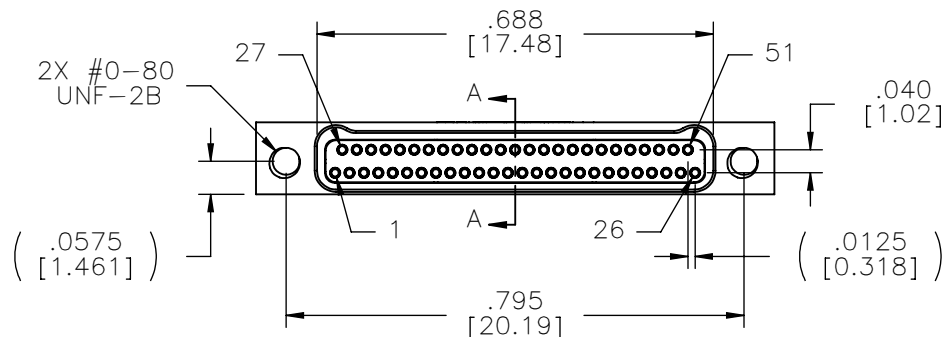
**CONTACT RESISTANCE:**  
71 MILLIOHM MAX (71mV DROP  
MAX) @ 1.0 AMPS PER MIL-  
DTL-32139

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

PART NO.	A29500-051	REV	ECO	DATE	APP
		J	102606	05-19-16	TLM



ACTUAL SIZE



**NOTES:**  
△ TAIL DIMENSIONS APPLY  
AT PLANE [A]

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

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	
CHK'D.	DATE	
APP'D.	DATE	

**OMNETICS**  
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CAGE CODE 61873	DWG NO. A29500-051
SHEET 1 OF 1	REV J
SCALE: 3:1	