

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

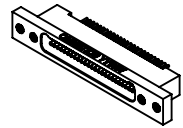
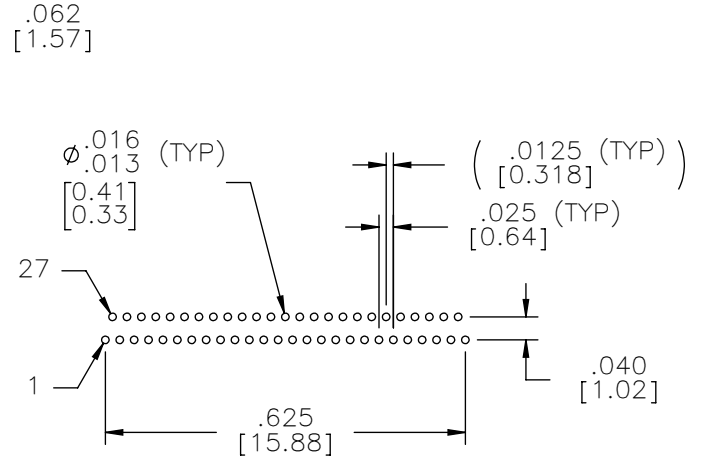
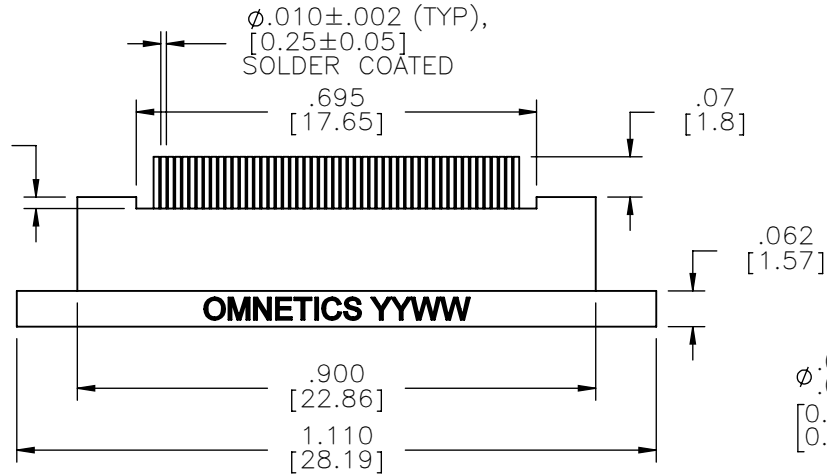
TERMINATION:  
SOLDER COATED WITH SN63A  
PER J-STD-006

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

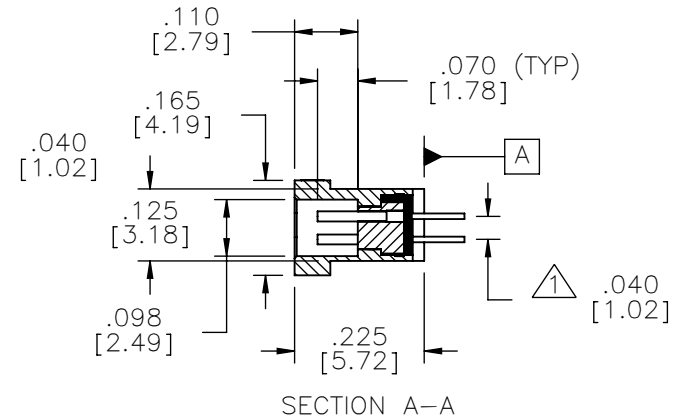
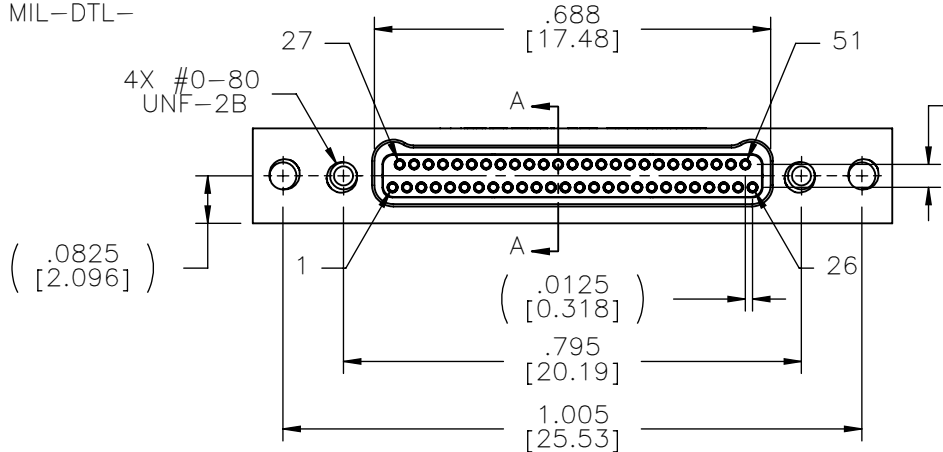
CONTACT RESISTANCE:  
71 MILLIOHM MAX (71mV  
DROP MAX) @ 1.0 AMPS PER  
MIL-DTL-32139

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

PART NO.	A29900-051	REV	ECO	DATE	APP
		K	102608	05-20-16	TLM



ACTUAL SIZE



NOTES:  
▲ TAIL DIMENSIONS APPLY  
AT PLANE [A]

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

M S C S	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 05-17-04
CHK'D.	DATE
APP'D.	DATE
TITLE: (51) SOCKET FEMALE Bi-Lobe® CONNECTOR	

**OMNETICS**  
CONNECTOR CORPORATION  
7260 COMMERCE CIRCLE EAST  
MINNEAPOLIS, MN 55432  
WWW.OMNETICS.COM

CAGE CODE 61873	
DWG NO. A29900-051	
SHEET 1 OF 1	REV K
SCALE: 3:1	