

# MATERIALS & SPECIFICATIONS

PART NO.	A29051-021	REV	ECO	DATE	APP
		A	102559	05-04-16	TLM

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

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

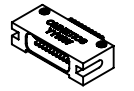
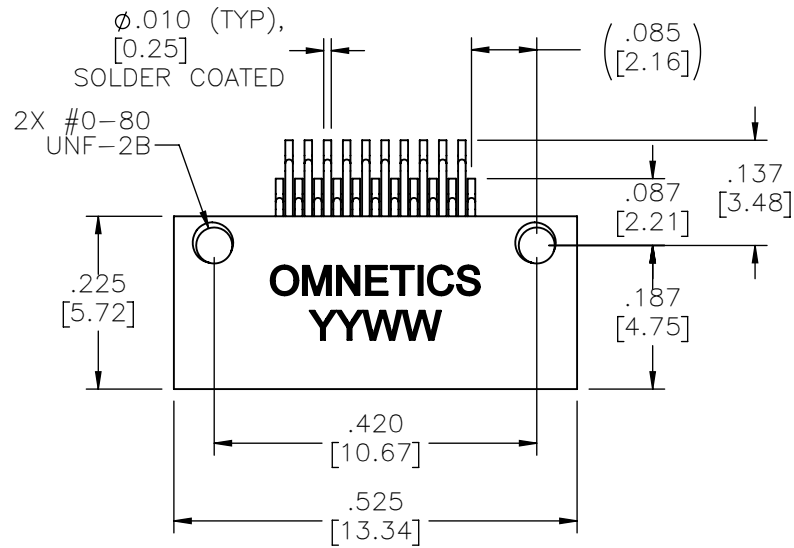
**CONTACTS:**  
COPPER ALLOY PER MIL-DTL-  
32139, GOLD PLATED PER ASTM  
B488, (HARD GOLD) TYPE II  
CODE C CLASS 1.27

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

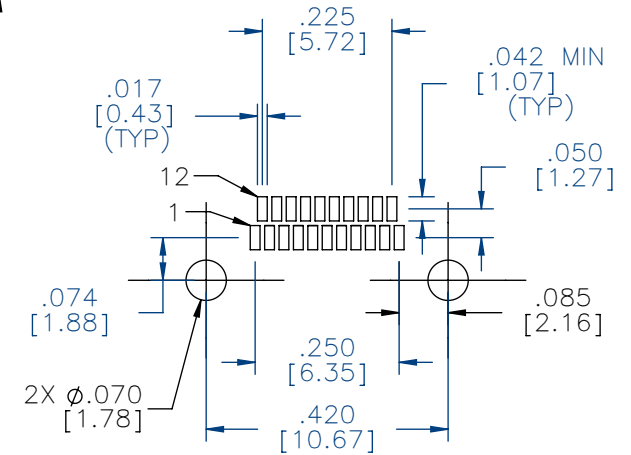
**CURRENT RATING:**  
1 AMP MAX PER MIL-DTL-32139

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

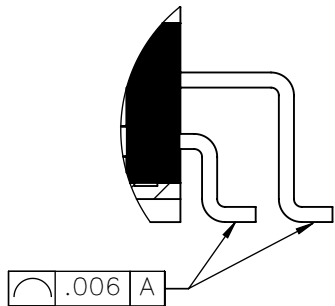
**PERFORMANCE:**  
PRODUCT FAMILY TESTED TO AND  
PASSED THE PERFORMANCE  
SPECIFICATIONS OF TABLE VIII OF  
MIL-DTL-32139



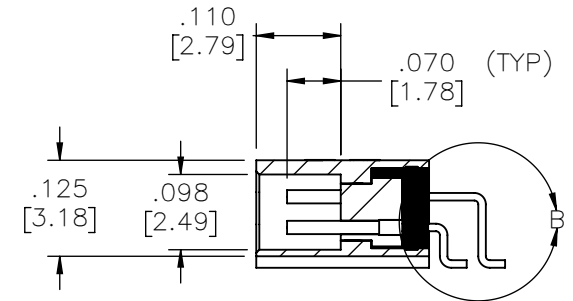
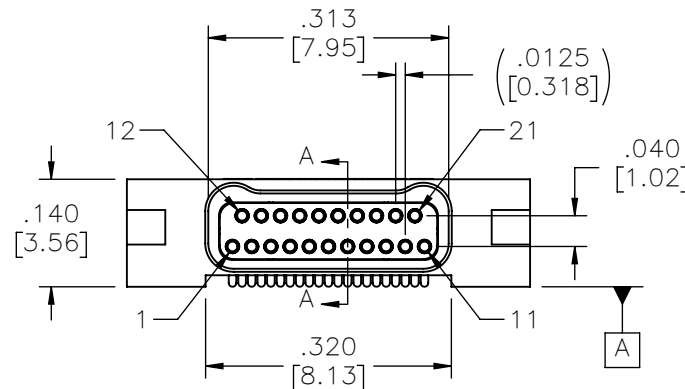
ACTUAL SIZE



SUGGESTED PAD LAYOUT



DETAIL B  
SCALE 8 : 1



SECTION A-A

**NOTE:**

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

MNSI	THIRD ANGLE
	-TOLERANCES-
SLDW	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. TLM	DATE 05-03-16
CHK'D.	DATE
APP'D.	DATE
TITLE: (21) SOCKET FEMALE LATCHING Bi-Lobe® CONNECTOR	

**OMNETICS**  
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CAGE CODE 61873
DWG NO. A29051-021
SHEET 1 OF 1
SCALE: 4:1
REV A