

# MATERIALS & SPECIFICATIONS

PART NO.	A29800-037	REV	ECO	DATE	APP
		G	102616	05-23-16	TLM

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

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

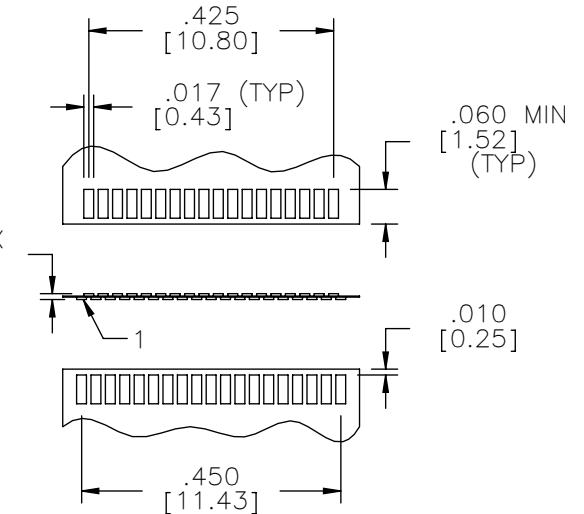
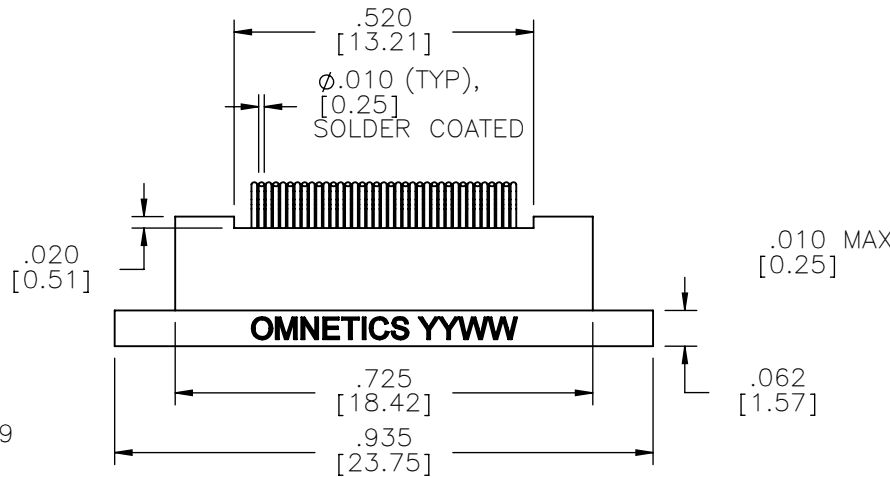
**CONTACTS:**  
COPPER ALLOY PER MIL-DTL-  
32139, GOLD PLATED PER ASTM  
B488, (HARD GOLD) TYPE II  
CODE C, CLASS 1.27

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

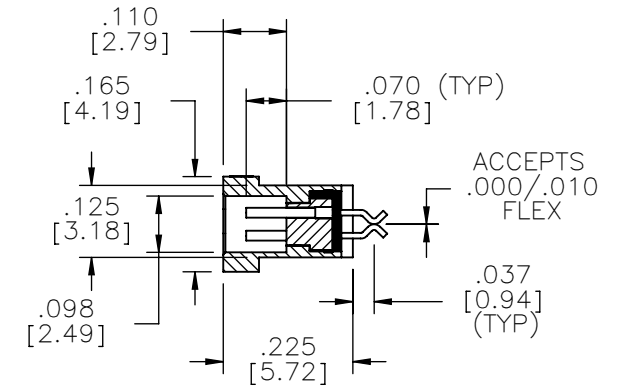
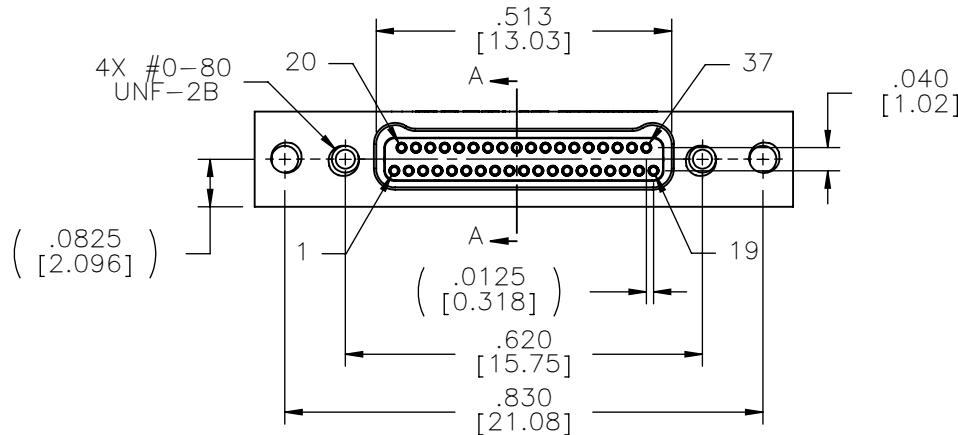
**CURRENT RATING:**  
1 AMP MAX PER MIL-DTL-32139

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

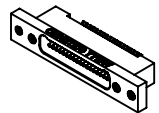
**PERFORMANCE:**  
PRODUCT FAMILY TESTED TO AND  
PASSED THE PERFORMANCE  
SPECIFICATIONS OF TABLE VIII OF  
MIL-DTL-32139



SUGGESTED PAD LAYOUT



SECTION A-A



ACTUAL SIZE

**NOTE:**

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

M S C S L D W	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. ASS	DATE
CHK'D.	DATE
APP'D.	DATE

TITLE:  
(37) SOCKET FEMALE  
Bi-Lobe® CONNECTOR

**OMNETICS**  
CONNECTOR CORPORATION  
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MINNEAPOLIS, MN 55432  
WWW.OMNETICS.COM

CAGE CODE	61873
DWG NO.	A29800-037
SHEET 1 OF 1	REV
SCALE: 3:1	G