

# MATERIALS & SPECIFICATIONS

## HOUSING:

ALUMINUM 6061-T6, NICKEL  
PLATE PER AMS-C-26074.

## INSULATOR:

LIQUID CRYSTAL POLYMER (LCP)  
PER ASTM D5138.

## CONTACT:

BERYLLIUM COPPER PER ASTM  
B194, C17200, GOLD PLATED  
PER ASTM B488, (HARD GOLD)  
TYPE II CODE C, CLASS 1.27.

## TERMINATION:

SOLDER COATED WITH SN63A PER  
J-STD-006 OR AMS-P-81728.

## CURRENT RATING:

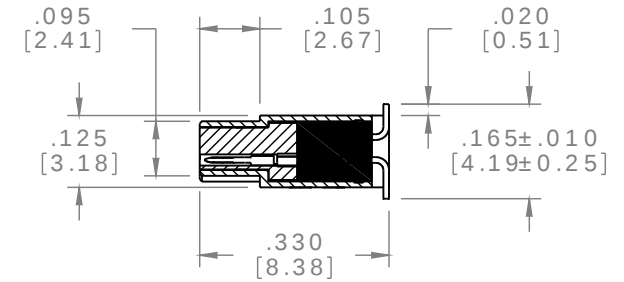
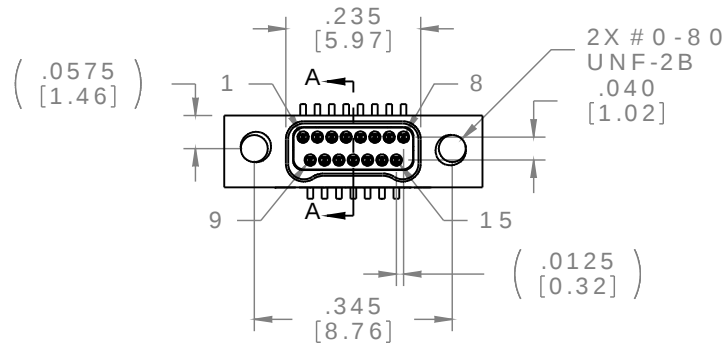
1 AMP MAX PER MIL-DTL-32139.

## CONTACT RESISTANCE:

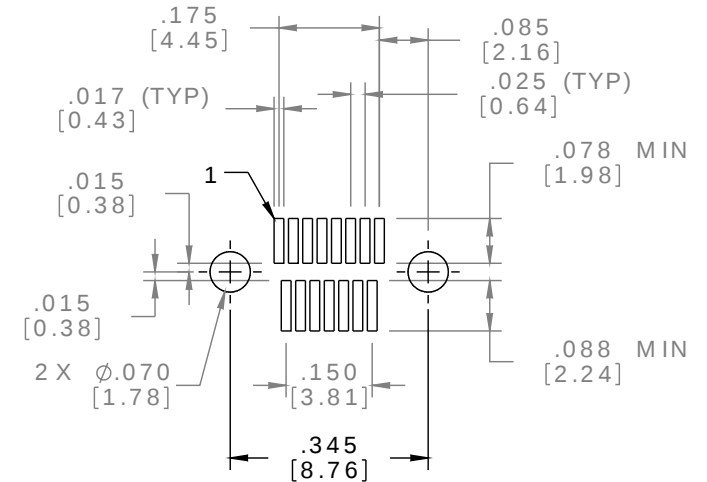
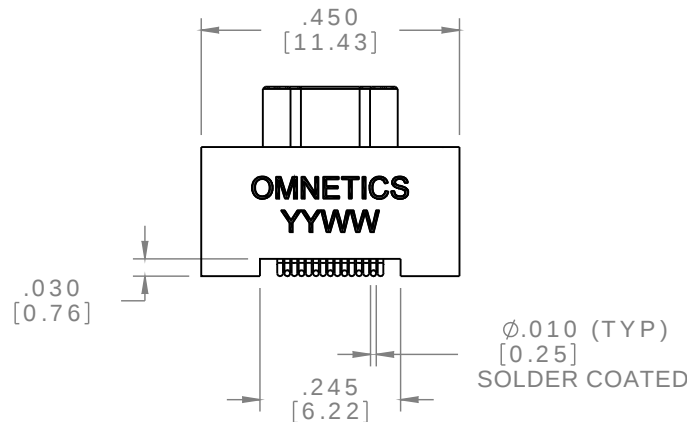
71 MILLIOHM MAX (71mV DROP  
MAX) @ 1.0 AMPS PER MIL-DTL-  
32139.

## PERFORMANCE:

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



SECTION A-A



SUGGESTED PAD LAYOUT



ACTUAL SIZE

## NOTE:

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

| MNP<br>SLDW | THIRD ANGLE            |
|-------------|------------------------|
|             | TOLERANCES-            |
|             | UNLESS OTHERWISE NOTED |
|             | DIMENSIONS IN INCHES   |
|             | 2 PL DEC± .01          |
|             | 3 PL DEC± .005         |
|             | 4 PL DEC± .0005        |
|             | ANGLES ± 1°            |

|                                                                                                                                                                                                                                                                    |      |                    |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|--|
| THIS DRAWING CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF OMNETICS CONNECTOR CORP. THIS DOCUMENT MAY NOT, IN WHOLE OR IN PART, BE DUPLICATED, OR DISCLOSED FOR ANY PURPOSE, WITHOUT WRITTEN PERMISSION FROM OMNETICS CONNECTOR CORP. |      |                    |  |
| DFTM. AAS                                                                                                                                                                                                                                                          | DATE | TITLE:             |  |
| CHK'D.                                                                                                                                                                                                                                                             | DATE | (15) PIN MALE      |  |
| APP'D.                                                                                                                                                                                                                                                             | DATE | Bi-Lobe® CONNECTOR |  |

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

|              |            |
|--------------|------------|
| CAGE CODE    | 61873      |
| DWG NO.      | A28200-015 |
| SHEET 1 OF 1 | REV        |
| SCALE: 3:1   | G          |