

# MATERIALS & SPECIFICATIONS

| PART NO. | A28050-025 | REV | ECO    | DATE     | APP |
|----------|------------|-----|--------|----------|-----|
|          |            | E   | 102033 | 10-27-15 | TLM |

## HOUSING:

ALUMINUM 6061-T6, NICKEL PLATE PER  
SAE-AMS-2404

## 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

## WIRE:

NEMA HP3 TYPE ET, COLOR CODED IAW  
MIL-STD-681, SYSTEM 1, USING TEN  
SOLID REPEATING COLORS

## HARDWARE:

17-7 STAINLESS STEEL

## CURRENT RATING:

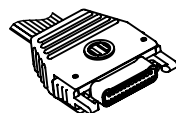
1 AMP MAX PER MIL-DTL-32139

## CONTACT RESISTANCE:

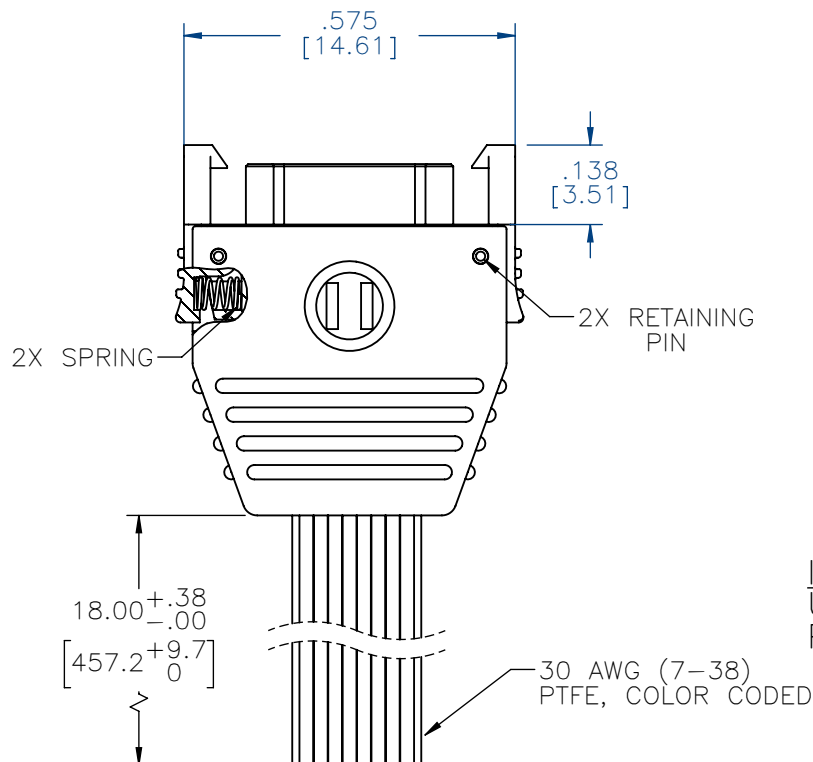
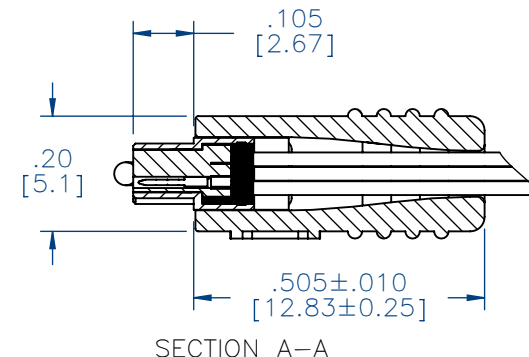
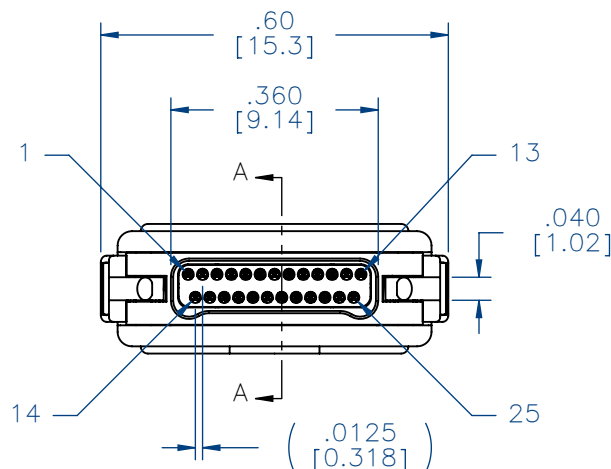
71 MILLIOHM MAX (71mV DROP MAX) @  
1.0 AMPS PER MIL-DTL-32139

## PERFORMANCE:

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



ACTUAL SIZE  
EXCLUDING WIRE LENGTH



| PIN #     | COLOR  |
|-----------|--------|
| 1, 11, 21 | BLACK  |
| 2, 12, 22 | BROWN  |
| 3, 13, 23 | RED    |
| 4, 14, 24 | ORANGE |
| 5, 15, 25 | YELLOW |
| 6, 16     | GREEN  |
| 7, 17     | BLUE   |
| 8, 18     | VIOLET |
| 9, 19     | GRAY   |
| 10, 20    | WHITE  |

INTERNAL USE ONLY  
USE MFG LOADING  
PROCEDURE A28000-025

## NOTE:

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

| MNL | 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. JPF                                                                                                                                                                                                                                                          | DATE 01-28-08 |
| CHK'D.                                                                                                                                                                                                                                                             | DATE          |
| APP'D.                                                                                                                                                                                                                                                             | DATE          |

## TITLE:

(25) PIN MALE  
LATCHING Bi-Lobe®  
CONNECTOR

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

|                           |
|---------------------------|
| CAGE CODE <b>61873</b>    |
| DWG NO. <b>A28050-025</b> |
| SHEET 1 OF 1              |
| SCALE: 3:1                |
| REV E                     |