

# MATERIALS & SPECIFICATIONS

## 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:

26 AWG (7-34) TYPE E, PER NEMA HP3, COLOR CODED PER TABLE.

## LATCH SPRING:

BERYLLIUM COPPER PER ASTM B194 NICKEL PLATE PER AMS-C-26074.

## CURRENT CAPACITY:

3 AMP MAX.

## CONTACT RESISTANCE:

26 MILLIOHMS (65mV) MAX @ 2.5 AMPS.

## PERFORMANCE:

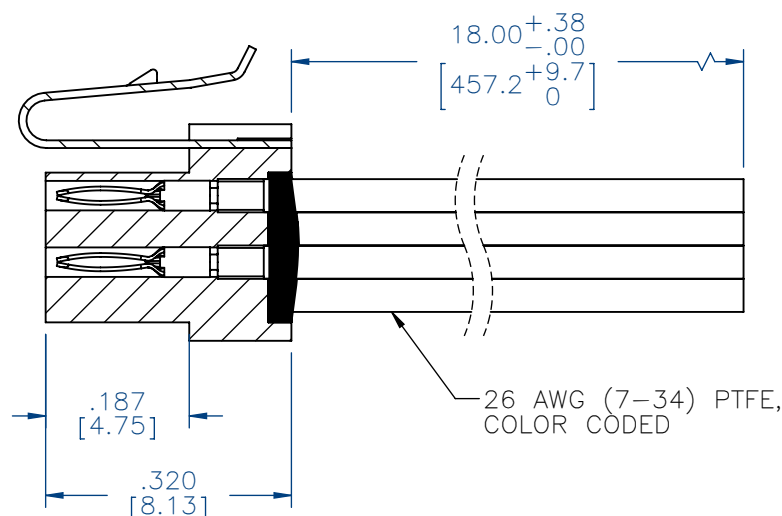
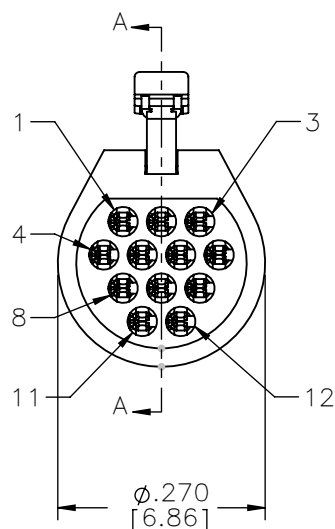
PRODUCT FAMILY TESTED TO AND PASSED THE PERFORMANCE SPECIFICATIONS OF TABLE VII OF MIL-DTL-83513.

| PART NO. | A22023-001 | REV | ECO   | DATE     | APP |
|----------|------------|-----|-------|----------|-----|
|          |            | C   | 96877 | 07-13-10 | TLM |

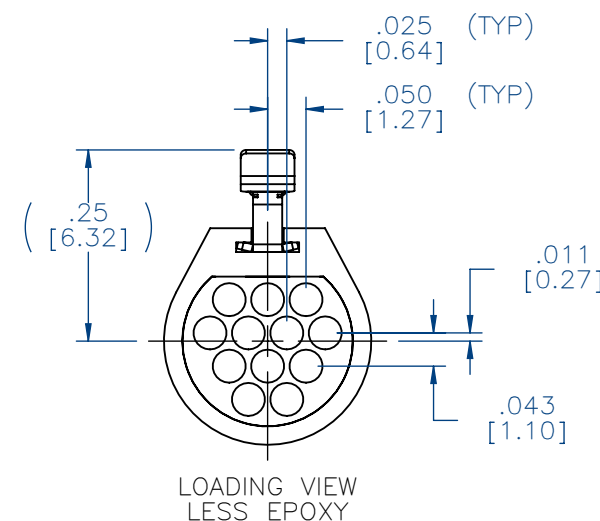
| PIN # | COLOR   |
|-------|---------|
| 1     | BLACK   |
| 2     | BROWN   |
| 3     | RED     |
| 4     | ORANGE  |
| 5     | YELLOW  |
| 6     | GREEN   |
| 7     | BLUE    |
| 8     | VIOLET  |
| 9     | GRAY    |
| 10    | WHITE   |
| 11    | WHT/BLK |
| 12    | WHT/BRN |



ACTUAL SIZE  
EXCLUDING  
WIRE LENGTH



SECTION A-A



LOADING VIEW  
LESS EPOXY

INTERNAL USE ONLY  
USE MFG LOADING  
PROCEDURE MC-12P

REF: OMNETICS

|      |                                                                |                                                                                                                                                                                                                                                                    |          |                    |                           |
|------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------|---------------------------|
| MCP  | THIRD ANGLE                                                    | 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. |          |                    | CAGE CODE <b>61873</b>    |
|      | -TOLERANCES-<br>UNLESS OTHERWISE NOTED<br>DIMENSIONS IN INCHES | DFTM. TEP                                                                                                                                                                                                                                                          | DATE     | TITLE:             |                           |
| SLDW | 2 PL DEC $\pm .01$                                             | CHK'D.                                                                                                                                                                                                                                                             | 05-15-07 | (12) PIN MALE      | DWG NO. <b>A22023-001</b> |
|      | 3 PL DEC $\pm .005$                                            | APP'D.                                                                                                                                                                                                                                                             |          | MICRO CIRCULAR     | SHEET 1 OF 1              |
|      | 4 PL DEC $\pm .0005$                                           |                                                                                                                                                                                                                                                                    |          | CONNECTOR W/ LATCH | REV C                     |
|      | ANGLES $\pm 1^\circ$                                           |                                                                                                                                                                                                                                                                    |          |                    | SCALE: 4:1                |

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