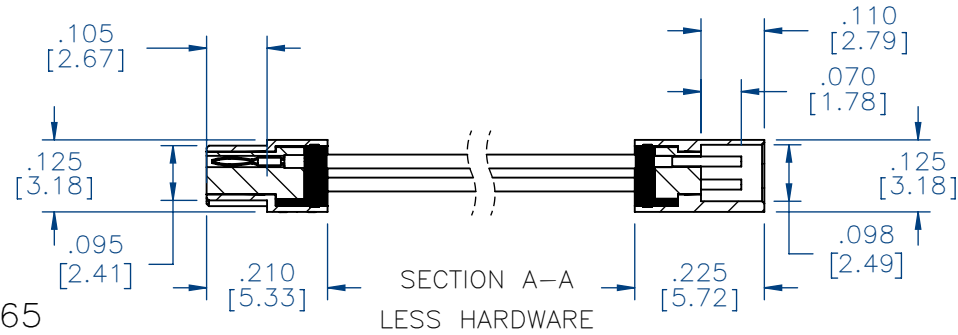
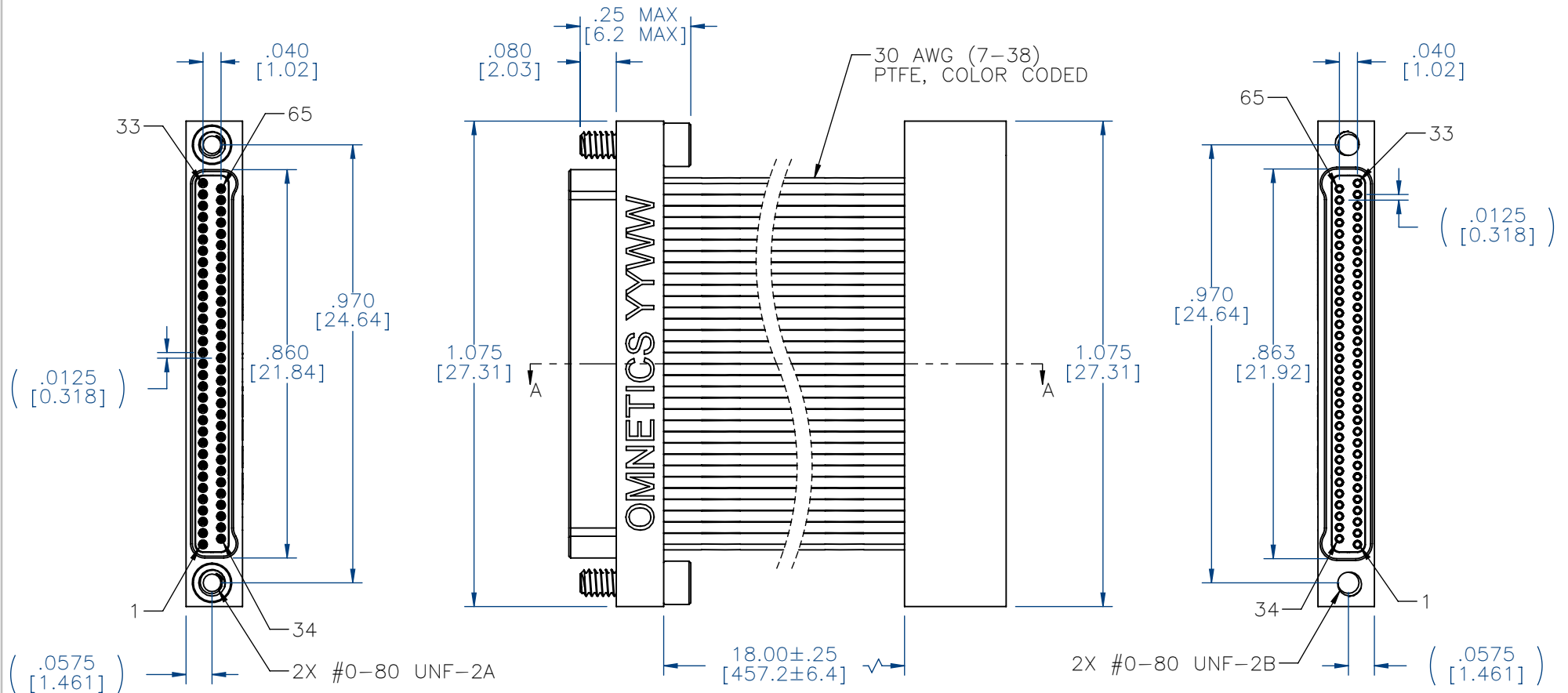


| PART NO. | A42628-065 | REV | ECO    | DATE     | APP |
|----------|------------|-----|--------|----------|-----|
|          |            | A   | 100681 | 06-26-14 | TLM |

INTERNAL USE ONLY  
USE MFG LOADING  
PROCEDURE A28000-065



INTERNAL USE ONLY  
USE MFG LOADING  
PROCEDURE A29000-065



NOTE:

WIRE CONNECTOR 1 TO 1,  
2 TO 2, 3 TO 3, ETC.

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

| JUM | SLDW | 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. TLM                                                                                                                                                                                                                                                          | DATE     | TITLE:                |  |
| CHK'D.                                                                                                                                                                                                                                                             | 06-19-14 | (65) LINE MALE/FEMALE |  |
| APP'D.                                                                                                                                                                                                                                                             |          | Bi-Lobe® CONNECTOR    |  |
|                                                                                                                                                                                                                                                                    |          | ASSEMBLY              |  |

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

REF: OMNETICS

|              |            |
|--------------|------------|
| CAGE CODE    | 61873      |
| DWG NO.      | A42628-065 |
| SHEET 1 OF 2 | REV A      |
| SCALE: 3:1   |            |

|          |            |     |        |          |     |
|----------|------------|-----|--------|----------|-----|
| PART NO. | A42628-065 | REV | ECO    | DATE     | APP |
|          |            | A   | 100681 | 06-26-14 | TLM |

# MATERIALS & SPECIFICATIONS

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

INSULATOR:  
LIQUID CRYSTAL POLYMER (LCP) PER  
ASTM D5138

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

SOCKET:  
COPPER ALLOY PER MIL-DTL-32139,  
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:  
303 STAINLESS STEEL PER ASTM 582

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.

| SOCKET #                  | COLOR  |
|---------------------------|--------|
| 1, 11, 21, 31, 41, 51, 61 | BLACK  |
| 2, 12, 22, 32, 42, 52, 62 | BROWN  |
| 3, 13, 23, 33, 43, 53, 63 | RED    |
| 4, 14, 24, 34, 44, 54, 64 | ORANGE |
| 5, 15, 25, 35, 45, 55, 65 | YELLOW |
| 6, 16, 26, 36, 46, 56     | GREEN  |
| 7, 17, 27, 37, 47, 57     | BLUE   |
| 8, 18, 28, 38, 48, 58     | VIOLET |
| 9, 19, 29, 39, 49, 59     | GRAY   |
| 10, 20, 30, 40, 50, 60    | WHITE  |

REF: OMNETICS

|      |                                                                                                                                        |                                                                                                                                                                                                                                                                    |                  |                                                                  |                                                                        |                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------|
| JUM  | 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. | DATE<br>06-19-14 | TITLE:<br>(65) LINE MALE/FEMALE<br>Bi-Lobe CONNECTOR<br>ASSEMBLY | CAGE CODE <b>61873</b>                                                 | DWG NO.<br><b>A42628-065</b> |
|      | UNLESS OTHERWISE NOTED<br>DIMENSIONS IN INCHES<br>2 PL DEC $\pm$ .01<br>3 PL DEC $\pm$ .005<br>4 PL DEC $\pm$ .0005<br>ANGLES $\pm$ 1° |                                                                                                                                                                                                                                                                    |                  |                                                                  |                                                                        |                              |
| MDS  |                                                                                                                                        | DFTM. TLM                                                                                                                                                                                                                                                          | DATE             |                                                                  | 7260 COMMERCE CIRCLE EAST<br>MINNEAPOLIS, MN 55432<br>WWW.OMNETICS.COM | SHEET 2 OF 2                 |
| SLDW |                                                                                                                                        | CHK'D.                                                                                                                                                                                                                                                             | DATE             |                                                                  |                                                                        |                              |
|      |                                                                                                                                        | APP'D.                                                                                                                                                                                                                                                             | DATE             |                                                                  |                                                                        | REV<br>A                     |
|      |                                                                                                                                        |                                                                                                                                                                                                                                                                    |                  |                                                                  |                                                                        | SCALE: 4:1                   |