

# MATERIALS & SPECIFICATIONS

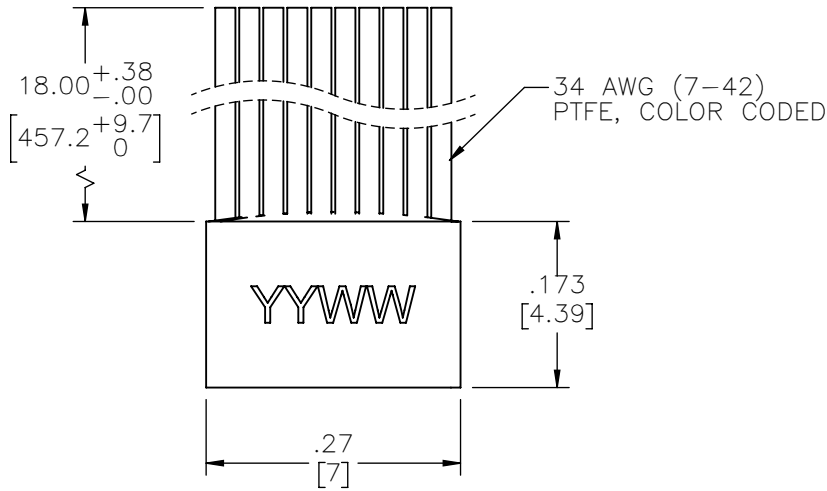
INSULATOR:  
THERMOPLASTIC PER MIL-M-  
24519, TYPE GLCP-30F OR GST-  
40F NATURAL

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

TERMINATION:  
34 AWG (7-42) PTFE, COLOR  
CODED PER TABLE

CURRENT CAPACITY:  
1 AMP MAX PER MIL-DTL-32139

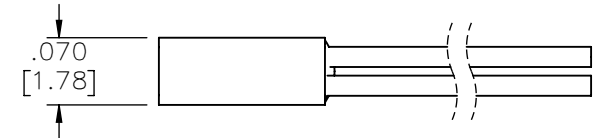
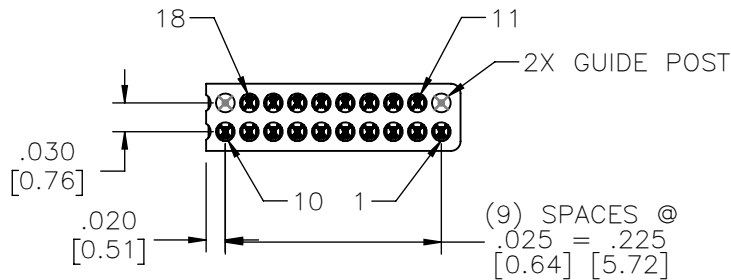
CONTACT RESISTANCE:  
71 MILLIOHMS (71mV) MAX @  
1.0 AMPS PER MIL-DTL-32139



ACTUAL SIZE  
EXCLUDING WIRE  
LENGTH

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

INTERNAL USE ONLY  
SHEET 2 OF 2 IS  
MANUFACTURING  
LOADING DIAGRAM



RoHS

NOTE:

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

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

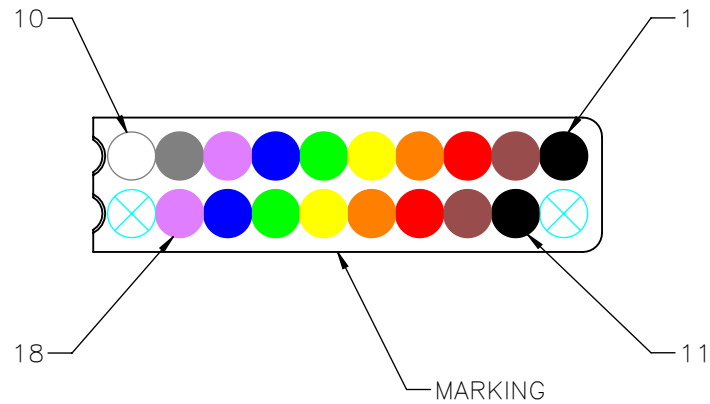
|                                                                                                                                                                                                                                                                    |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
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| DFTM. TLM                                                                                                                                                                                                                                                          | DATE 04-08-09 |
| CHK'D.                                                                                                                                                                                                                                                             | DATE          |
| APP'D.                                                                                                                                                                                                                                                             | DATE          |

TITLE:  
(18) PIN MALE NANO  
DUAL ROW CONNECTOR  
W/GUIDE POST HOLES

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

|                    |       |
|--------------------|-------|
| CAGE CODE 61873    |       |
| DWG NO. A79044-001 |       |
| SHEET 1 OF 2       | REV B |
| SCALE: 5:1         |       |

|          |            |     |       |          |     |
|----------|------------|-----|-------|----------|-----|
| PART NO. | A79044-001 | REV | ECO   | DATE     | APP |
|          |            | B   | 99105 | 12-07-12 | TLM |



 GUIDE POST HOLE

| PIN # | COLR   |
|-------|--------|
| 1, 11 | BLACK  |
| 2, 12 | BROWN  |
| 3, 13 | RED    |
| 4, 14 | ORANGE |
| 5, 15 | YELLOW |
| 6, 16 | GREEN  |
| 7, 17 | BLUE   |
| 8, 18 | VIOLET |
| 9     | GRAY   |
| 10    | WHITE  |

|      |                        |                      |                                                                                                                                                                                                                                                                    |          |                                                                                               |                                                                                                                                                        |                        |                   |
|------|------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------|
| NPD  | 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. |          |                                                                                               | <div>OMNETICS</div> <div>CONNECTOR CORPORATION</div> <div>7260 COMMERCE CIRCLE EAST</div> <div>MINNEAPOLIS, MN 55432</div> <div>WWW.OMNETICS.COM</div> | CAGE CODE <b>61873</b> |                   |
|      | -TOLERANCES-           |                      |                                                                                                                                                                                                                                                                    |          |                                                                                               |                                                                                                                                                        | DWG NO.                | <b>A79044-001</b> |
|      | UNLESS OTHERWISE NOTED |                      | DFTM. TLM                                                                                                                                                                                                                                                          | DATE     | TITLE:<br><b>(18) PIN MALE NANO</b><br><b>DUAL ROW CONNECTOR</b><br><b>W/GUIDE POST HOLES</b> |                                                                                                                                                        | SHEET 2 OF 2           |                   |
|      | DIMENSIONS IN INCHES   |                      | DATE                                                                                                                                                                                                                                                               | 04-08-09 |                                                                                               |                                                                                                                                                        |                        |                   |
| SLDW | 2                      | PL DEC $\pm .01$     | CHK'D.                                                                                                                                                                                                                                                             | DATE     |                                                                                               |                                                                                                                                                        |                        |                   |
|      | 3                      | PL DEC $\pm .005$    | APP'D.                                                                                                                                                                                                                                                             | DATE     |                                                                                               |                                                                                                                                                        |                        |                   |
|      | 4                      | PL DEC $\pm .0005$   |                                                                                                                                                                                                                                                                    |          |                                                                                               |                                                                                                                                                        |                        |                   |
|      |                        | ANGLES $\pm 1^\circ$ |                                                                                                                                                                                                                                                                    |          |                                                                                               |                                                                                                                                                        |                        |                   |

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