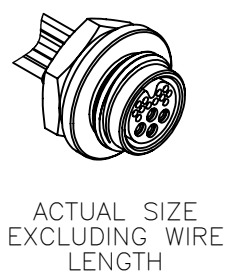
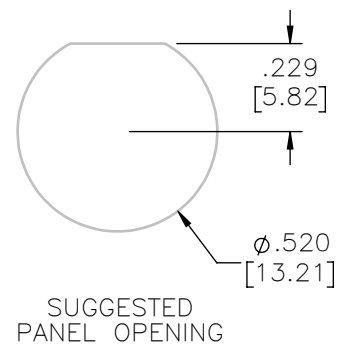
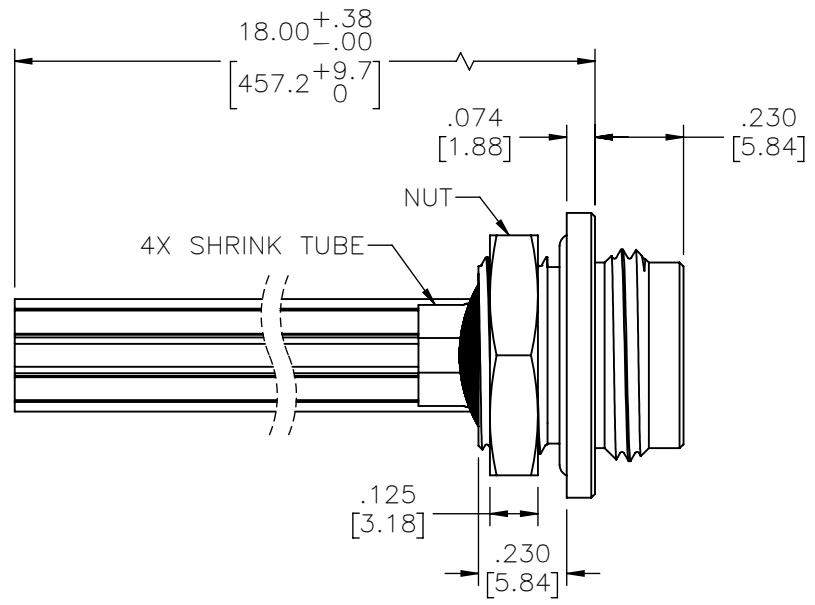
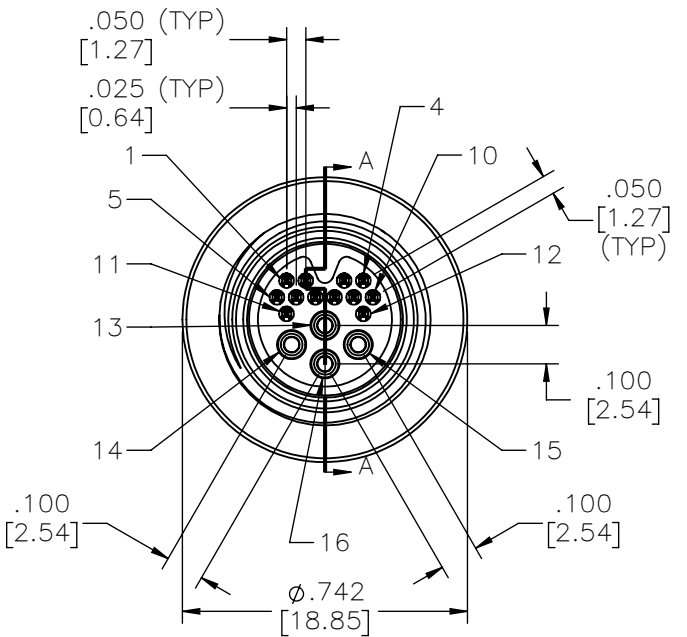
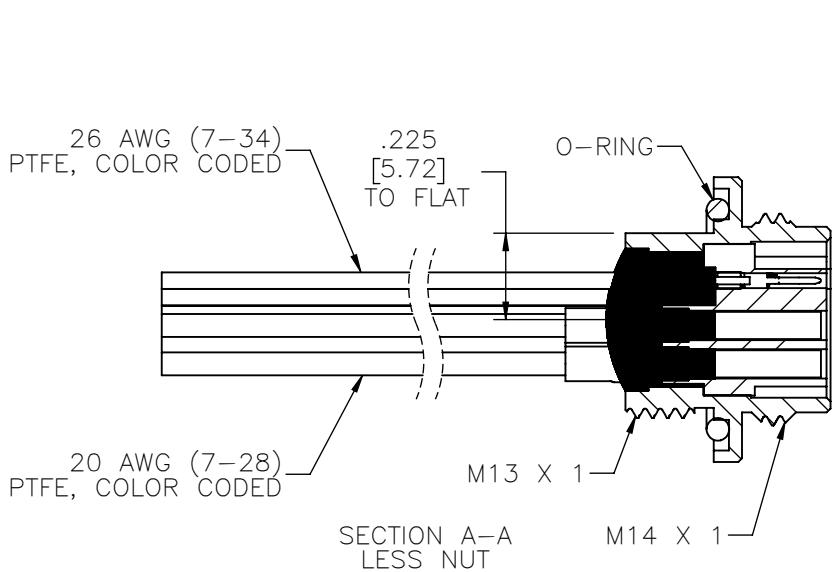


|          |            |     |        |          |     |
|----------|------------|-----|--------|----------|-----|
| PART NO. | A90129-001 | REV | ECO    | DATE     | APP |
|          |            | B   | 104151 | 01-10-18 | HV  |

| CONTACT # | COLOR  | AWG    |
|-----------|--------|--------|
| 1         | BLACK  | 26 AWG |
| 2         | BROWN  |        |
| 3         | RED    |        |
| 4         | ORANGE |        |
| 5         | YELLOW |        |
| 6         | GREEN  |        |
| 7         | BLUE   |        |
| 8         | VIOLET |        |
| 9         | GRAY   |        |
| 10        | WHITE  | 20 AWG |
| 11        | BLACK  |        |
| 12        | BROWN  |        |
| 13        | BLACK  |        |
| 14        | BROWN  |        |
| 15        | RED    |        |
| 16        | ORANGE |        |

INTERNAL USE ONLY  
USE LOADING DIAGRAM  
ON SHEET 4 OF 4



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

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

|  |               |
|--|---------------|
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| DFTM. ACW  | DATE 04-23-15 |
| CHK'D.   | DATE          |
| APP'D.   | DATE          |
| TITLE:<br>(4-12) PIN MALE MICRO<br>THREADED PROTRUDING<br>PANEL MOUNT  |               |

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|                 |                    |
|-----------------|--------------------|
| CAGE CODE 61873 | DWG NO. A90129-001 |
| SHEET 1 OF 4    | REV B              |
| SCALE: 2:1      |                    |

|          |            |     |        |          |     |
|----------|------------|-----|--------|----------|-----|
| PART NO. | A90129-001 | REV | ECO    | DATE     | APP |
|          |            | B   | 104151 | 01-10-18 | HV  |

MATERIALS & SPECIFICATIONS

INSULATOR  
POLYETHERIMIDE


CONTACT MATERIAL  
SIGNAL - COPPER ALLOY PER MIL-DTL-83513  
POWER - COPPER ALLOY PER SAE-AS39029

CONTACT FINISH  
SIGNAL - GOLD PLATE PER ASTM B488, TYPE II, CLASS 1.27,  
CODE C OVER NICKEL UNDERPLATE  
POWER - GOLD PLATE PER ASTM B488, TYPE II, CLASS 1.27,  
CODE C OVER NICKEL UNDERPLATE

TERMINATION  
SIGNAL - 26 AWG, (7-34) SILVER COATED COPPER, PTFE, COLOR  
CODED  
POWER - 20 AWG, (7-28) SILVER COATED COPPER, PTFE, COLOR  
CODED

SHELLS  
BRASS ALLOY 360

SHELL FINISH  
ELECTROLESS NICKEL (200 MICROINCHES MINIMUM) PER SAE-  
AMS-2404

|      |   |  |  |                           |          |
|------|---|--|--|---------------------------|----------|
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|      | -TOLERANCES-  |  |  | DWG NO. <b>A90129-001</b> |          |
|      | UNLESS OTHERWISE NOTED<br>DIMENSIONS IN INCHES  |  |  | SHEET 2 OF 4              |          |
| SLDW | 2 PL DEC ± .01<br>3 PL DEC ± .005<br>4 PL DEC ± .0005<br>ANGLES ± °                             | DFTM. ACW DATE 04-23-15<br>CHK'D. DATE<br>APP'D. DATE  | TITLE:<br><b>(4-12) PIN MALE MICRO<br/>THREADED PROTRUDING<br/>PANEL MOUNT</b>                                     | SCALE: 6:1                | REV<br>B |

|          |            |     |        |          |     |
|----------|------------|-----|--------|----------|-----|
| PART NO. | A90129-001 | REV | ECO    | DATE     | APP |
|          |            | B   | 104151 | 01-10-18 | HV  |

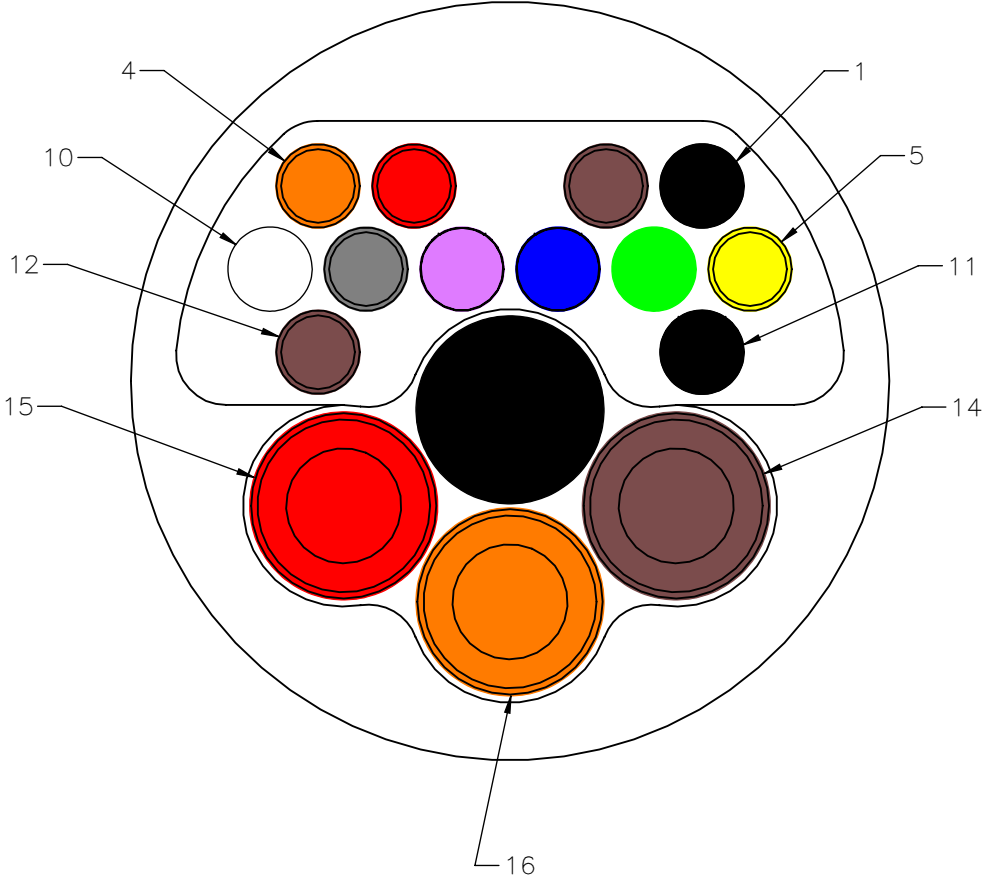
PRODUCT FAMILY TESTED TO AND PASSED THE FOLLOWING PERFORMANCE SPECIFICATIONS

|   |   |
|---|---|
| CURRENT RATING:                         | 3 AMPS MAX (SIGNAL CONTACTS)<br>10 AMPS MAX (POWER CONTACTS)  |
| DIELECTRIC WITHSTANDING VOLTAGE:        | 600 VAC RMS (SIGNAL CONTACTS)<br>1000 VAC RMS (POWER CONTACTS)  |
| INSULATION RESISTANCE:                  | 5000 MEGAOHMS MIN @ 500 VDC   |
| CONTACT RESISTANCE:                     | 26 MILLIOHMS (65 mV) MAX @ 2.5 AMPS (SIGNAL CONTACTS)<br>7 MILLIOHMS (55 mV) MAX @ 7.5 AMPS (POWER CONTACTS)  |
| CONTACT ENGAGEMENT & SEPARATION FORCES: | 6 OZ MAX/CONTACT (ENGAGEMENT SIGNAL)<br>.5 OZ MIN/CONTACT (SEPARATION SIGNAL)<br>18 OZ MAX/CONTACT (ENGAGEMENT POWER)<br>.7 OZ MIN/CONTACT (SEPARATION POWER) |
| TEMPERATURE CYCLING:                    | -55°C TO +125°C, 5 CYCLES   |
| VIBRATION*:                             | EIA-364-28, TEST CONDITION IV, 20 g's   |
| MECHANICAL SHOCK*:                      | EIA-364-27, TEST CONDITION D, 300 g's   |
| DURABILITY:                             | 500 CYCLES  |

\*PENDING COMPLETION OF TESTING

|              |   |  |  |                        |  |
|--------------|---|--|--|------------------------|--|
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|              | -TOLERANCES-<br><small>UNLESS OTHERWISE NOTED</small><br>DIMENSIONS IN INCHES |  |  | DATE<br>04-23-15       | TITLE:<br><b>(4-12) PIN MALE MICRO<br/>THREADED PROTRUDING<br/>PANEL MOUNT</b> |
|              | 2 PL DEC ± .01<br>3 PL DEC ± .005<br>4 PL DEC ± .0005<br>ANGLES ± °           | DFTM. ACW<br>CHK'D.<br>APP'D.  | DATE<br>DATE<br>DATE   | SCALE: 2:1             |  |

|          |            |     |        |          |     |
|----------|------------|-----|--------|----------|-----|
| PART NO. | A90129-001 | REV | ECO    | DATE     | APP |
|          |            | B   | 104151 | 01-10-18 | HV  |



| CONTACT # | COLOR  | AWG    |
|-----------|--------|--------|
| 1         | BLACK  | 26 AWG |
| 2         | BROWN  |        |
| 3         | RED    |        |
| 4         | ORANGE |        |
| 5         | YELLOW |        |
| 6         | GREEN  |        |
| 7         | BLUE   |        |
| 8         | VIOLET |        |
| 9         | GRAY   |        |
| 10        | WHITE  |        |
| 11        | BLACK  |        |
| 12        | BROWN  |        |
| 13        | BLACK  |        |
| 14        | BROWN  |        |
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|              |                        |
|--------------|------------------------|
| MMCP<br>SLDW | THIRD ANGLE            |
|              | -TOLERANCES-           |
|              | UNLESS OTHERWISE NOTED |
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| 2            | PL DEC ± .01           |
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|              | ANGLES ± °             |

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DFTM. ACW DATE 04-23-15  
 CHK'D. DATE  
 APP'D. DATE

TITLE:  
 (4-12) PIN MALE MICRO  
 THREADED PROTRUDING  
 PANEL MOUNT

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|                           |
|---------------------------|
| CAGE CODE <b>61873</b>    |
| DWG NO. <b>A90129-001</b> |
| SHEET 4 OF 4              |
| SCALE: 1:1                |
| REV B                     |