

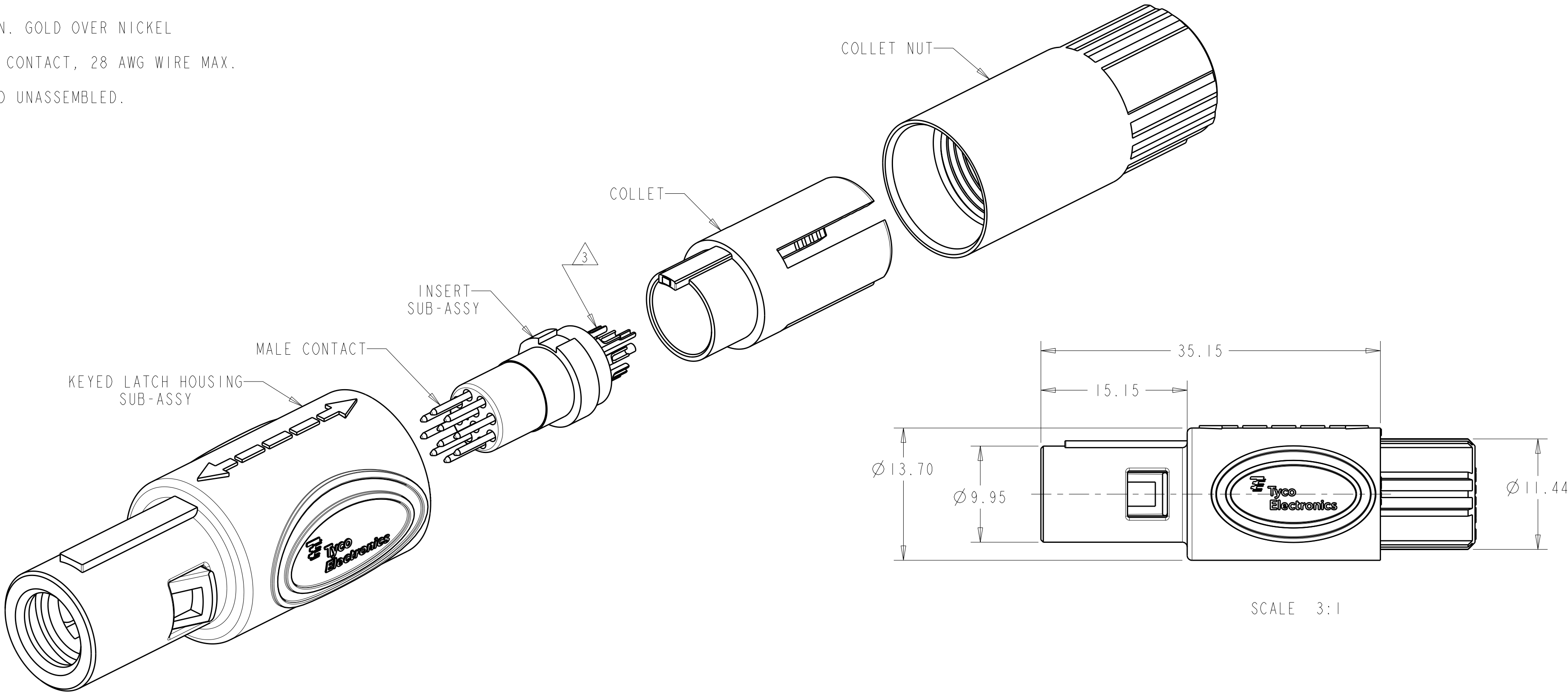
| LOC | DIST | REVISIONS |     |                           |           |
|-----|------|-----------|-----|---------------------------|-----------|
| AD  | 00   | P         | LTR | DESCRIPTION               | DATE      |
|     |      |           |     |                           | DWN       |
|     |      |           |     |                           | APVD      |
|     |      | B3        |     | REVISED PER ECO-11-005027 | 12MAR2011 |
|     |      |           |     |                           | RK        |
|     |      |           |     |                           | HMR       |

1 MATERIAL:  
CONTACT: BRASS  
LATCH HOUSING, INSERT, COLLET, COLLET NUT:  
UL 94V-0 RATED THERMOPLASTIC  
COLOR:  
COLLET AND INSERT: GRAY  
LATCH HOUSING AND NUT: SEE TABLE

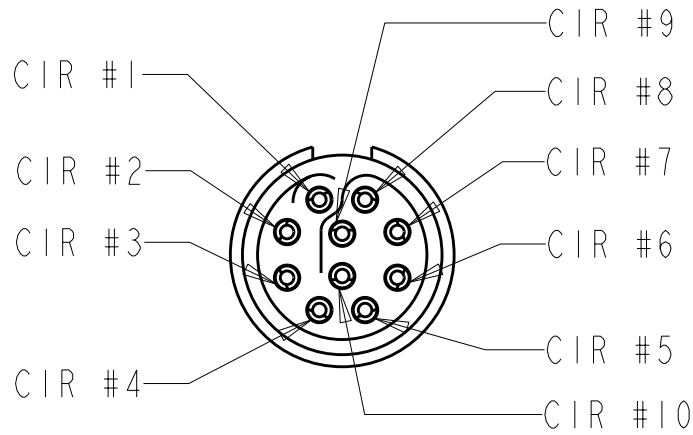
2 FINISH:  
CONTACT, 0.75µm MIN. GOLD OVER NICKEL

3 SOLDER TERMINATION CONTACT, 28 AWG WIRE MAX.

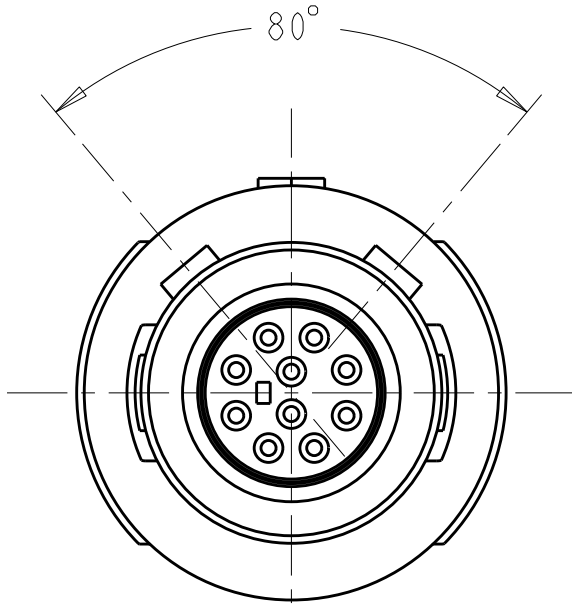
4. PRODUCT IS SUPPLIED UNASSEMBLED.



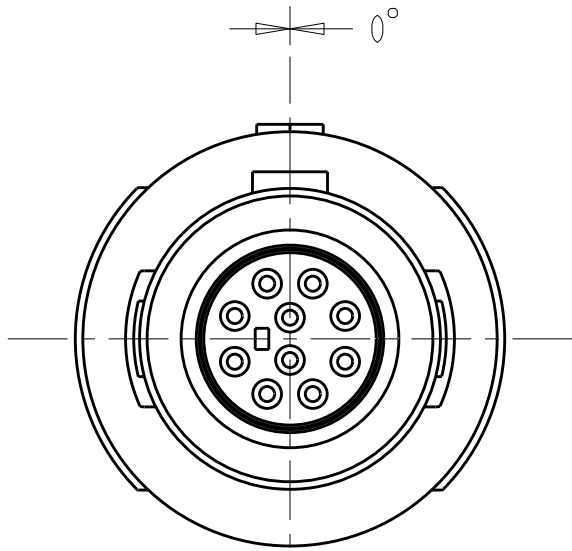
SCALE 3:1



INSERT SUB-ASSY  
CIRCUIT DESIGNATION VIEW



80° KEYING  
SCALE 4:1



0° KEYING  
SCALE 4:1

SEE SHEET 2 FOR  
PART NUMBER SELECTION

PART NO.

|                                        |  |                                 |                                                                               |           |            |               |
|----------------------------------------|--|---------------------------------|-------------------------------------------------------------------------------|-----------|------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>K. MILLER<br>09MAR2006   | TE Connectivity                                                               |           |            |               |
|                                        |  | CHK<br>L. BREKOSKY<br>09MAR2006 |                                                                               |           |            |               |
| DIMENSIONS:                            |  | APVD<br>-                       | NAME                                                                          |           |            |               |
| mm                                     |  | PRODUCT SPEC                    | 10 POSITION, CABLE COLLET<br>STRAIGHT PLUG ASSEMBLY<br>0 AND 80 DEGREE KEYING |           |            |               |
|                                        |  | APPLICATION SPEC                |                                                                               |           |            |               |
|                                        |  | 114-13184                       |                                                                               |           |            |               |
| MATERIAL                               |  | WEIGHT                          | SIZE                                                                          | CAGE CODE | DRAWING NO | RESTRICTED TO |
| 1                                      |  | -                               | A2                                                                            | 00779     | C-1877848  | -             |
|                                        |  | CUSTOMER DRAWING                | SCALE                                                                         | 4:1       | SHEET      | OF 3          |
|                                        |  |                                 |                                                                               |           |            | REV B3        |

|                                            |                          |    |
|--------------------------------------------|--------------------------|----|
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|     |      |           |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| LOC | DIST | REVISIONS |     |             |      |     |      |
| AD  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| 3-6 |      |           | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |

|                         |                     |                        |        |             |
|-------------------------|---------------------|------------------------|--------|-------------|
| Ø 2.7-Ø 3.9             | BLUE                | GRAY                   | 80°    | 7-1877848-2 |
| Ø 4.0-Ø 5.2             | BLUE                | GRAY                   | 80°    | 7-1877848-1 |
| Ø 5.3-Ø 6.5             | BLUE                | GRAY                   | 80°    | 7-1877848-0 |
| Ø 2.7-Ø 3.9             | BLUE                | GRAY                   | 0°     | 6-1877848-9 |
| Ø 4.0-Ø 5.2             | BLUE                | GRAY                   | 0°     | 6-1877848-8 |
| Ø 5.3-Ø 6.5             | BLUE                | GRAY                   | 0°     | 6-1877848-7 |
| Ø 2.7-Ø 3.9             | BLUE                | BLACK                  | 80°    | 6-1877848-6 |
| Ø 4.0-Ø 5.2             | BLUE                | BLACK                  | 80°    | 6-1877848-5 |
| Ø 5.3-Ø 6.5             | BLUE                | BLACK                  | 80°    | 6-1877848-4 |
| Ø 2.7-Ø 3.9             | BLUE                | BLACK                  | 0°     | 6-1877848-3 |
| Ø 4.0-Ø 5.2             | BLUE                | BLACK                  | 0°     | 6-1877848-2 |
| Ø 5.3-Ø 6.5             | BLUE                | BLACK                  | 0°     | 6-1877848-1 |
| Ø 2.7-Ø 3.9             | GREEN               | GRAY                   | 80°    | 6-1877848-0 |
| Ø 4.0-Ø 5.2             | GREEN               | GRAY                   | 80°    | 5-1877848-9 |
| Ø 5.3-Ø 6.5             | GREEN               | GRAY                   | 80°    | 5-1877848-8 |
| Ø 2.7-Ø 3.9             | GREEN               | GRAY                   | 0°     | 5-1877848-7 |
| Ø 4.0-Ø 5.2             | GREEN               | GRAY                   | 0°     | 5-1877848-6 |
| Ø 5.3-Ø 6.5             | GREEN               | GRAY                   | 0°     | 5-1877848-5 |
| Ø 2.7-Ø 3.9             | GREEN               | BLACK                  | 80°    | 5-1877848-4 |
| Ø 4.0-Ø 5.2             | GREEN               | BLACK                  | 80°    | 5-1877848-3 |
| Ø 5.3-Ø 6.5             | GREEN               | BLACK                  | 80°    | 5-1877848-2 |
| Ø 2.7-Ø 3.9             | GREEN               | BLACK                  | 0°     | 5-1877848-1 |
| Ø 4.0-Ø 5.2             | GREEN               | BLACK                  | 0°     | 5-1877848-0 |
| Ø 5.3-Ø 6.5             | GREEN               | BLACK                  | 0°     | 4-1877848-9 |
| Ø 2.7-Ø 3.9             | YELLOW              | GRAY                   | 80°    | 4-1877848-8 |
| Ø 4.0-Ø 5.2             | YELLOW              | GRAY                   | 80°    | 4-1877848-7 |
| Ø 5.3-Ø 6.5             | YELLOW              | GRAY                   | 80°    | 4-1877848-6 |
| Ø 2.7-Ø 3.9             | YELLOW              | GRAY                   | 0°     | 4-1877848-5 |
| Ø 4.0-Ø 5.2             | YELLOW              | GRAY                   | 0°     | 4-1877848-4 |
| Ø 5.3-Ø 6.5             | YELLOW              | GRAY                   | 0°     | 4-1877848-3 |
| Ø 2.7-Ø 3.9             | YELLOW              | BLACK                  | 80°    | 4-1877848-2 |
| Ø 4.0-Ø 5.2             | YELLOW              | BLACK                  | 80°    | 4-1877848-1 |
| Ø 5.3-Ø 6.5             | YELLOW              | BLACK                  | 80°    | 4-1877848-0 |
| Ø 2.7-Ø 3.9             | YELLOW              | BLACK                  | 0°     | 3-1877848-9 |
| Ø 4.0-Ø 5.2             | YELLOW              | BLACK                  | 0°     | 3-1877848-8 |
| Ø 5.3-Ø 6.5             | YELLOW              | BLACK                  | 0°     | 3-1877848-7 |
| CABLE RANGE             | COLLET NUT<br>COLOR | LATCH HOUSING<br>COLOR | KEYING | PART NO.    |
| PART NUMBERS 37 THRU 72 |                     |                        |        |             |

|                        |                     |                        |        |             |
|------------------------|---------------------|------------------------|--------|-------------|
| Ø 2.7-Ø 3.9            | WHITE               | GRAY                   | 80°    | 3-1877848-6 |
| Ø 4.0-Ø 5.2            | WHITE               | GRAY                   | 80°    | 3-1877848-5 |
| Ø 5.3-Ø 6.5            | WHITE               | GRAY                   | 80°    | 3-1877848-4 |
| Ø 2.7-Ø 3.9            | WHITE               | GRAY                   | 0°     | 3-1877848-3 |
| Ø 4.0-Ø 5.2            | WHITE               | GRAY                   | 0°     | 3-1877848-2 |
| Ø 5.3-Ø 6.5            | WHITE               | GRAY                   | 0°     | 3-1877848-1 |
| Ø 2.7-Ø 3.9            | WHITE               | BLACK                  | 80°    | 3-1877848-0 |
| Ø 4.0-Ø 5.2            | WHITE               | BLACK                  | 80°    | 2-1877848-9 |
| Ø 5.3-Ø 6.5            | WHITE               | BLACK                  | 80°    | 2-1877848-8 |
| Ø 2.7-Ø 3.9            | WHITE               | BLACK                  | 0°     | 2-1877848-7 |
| Ø 4.0-Ø 5.2            | WHITE               | BLACK                  | 0°     | 2-1877848-6 |
| Ø 5.3-Ø 6.5            | WHITE               | BLACK                  | 0°     | 2-1877848-5 |
| Ø 2.7-Ø 3.9            | RED                 | GRAY                   | 80°    | 2-1877848-4 |
| Ø 4.0-Ø 5.2            | RED                 | GRAY                   | 80°    | 2-1877848-3 |
| Ø 5.3-Ø 6.5            | RED                 | GRAY                   | 80°    | 2-1877848-2 |
| Ø 2.7-Ø 3.9            | RED                 | GRAY                   | 0°     | 2-1877848-1 |
| Ø 4.0-Ø 5.2            | RED                 | GRAY                   | 0°     | 2-1877848-0 |
| Ø 5.3-Ø 6.5            | RED                 | GRAY                   | 0°     | 1-1877848-9 |
| Ø 2.7-Ø 3.9            | RED                 | BLACK                  | 80°    | 1-1877848-8 |
| Ø 4.0-Ø 5.2            | RED                 | BLACK                  | 80°    | 1-1877848-7 |
| Ø 5.3-Ø 6.5            | RED                 | BLACK                  | 80°    | 1-1877848-6 |
| Ø 2.7-Ø 3.9            | RED                 | BLACK                  | 0°     | 1-1877848-5 |
| Ø 4.0-Ø 5.2            | RED                 | BLACK                  | 0°     | 1-1877848-4 |
| Ø 5.3-Ø 6.5            | RED                 | BLACK                  | 0°     | 1-1877848-3 |
| Ø 2.7-Ø 3.9            | GRAY                | GRAY                   | 80°    | 1-1877848-2 |
| Ø 4.0-Ø 5.2            | GRAY                | GRAY                   | 80°    | 1-1877848-1 |
| Ø 5.3-Ø 6.5            | GRAY                | GRAY                   | 80°    | 1-1877848-0 |
| Ø 2.7-Ø 3.9            | GRAY                | GRAY                   | 0°     | 1877848-9   |
| Ø 4.0-Ø 5.2            | GRAY                | GRAY                   | 0°     | 1877848-8   |
| Ø 5.3-Ø 6.5            | GRAY                | GRAY                   | 0°     | 1877848-7   |
| Ø 2.7-Ø 3.9            | BLACK               | BLACK                  | 80°    | 1877848-6   |
| Ø 4.0-Ø 5.2            | BLACK               | BLACK                  | 80°    | 1877848-5   |
| Ø 5.3-Ø 6.5            | BLACK               | BLACK                  | 80°    | 1877848-4   |
| Ø 2.7-Ø 3.9            | BLACK               | BLACK                  | 0°     | 1877848-3   |
| Ø 4.0-Ø 5.2            | BLACK               | BLACK                  | 0°     | 1877848-2   |
| Ø 5.3-Ø 6.5            | BLACK               | BLACK                  | 0°     | 1877848-1   |
| CABLE RANGE            | COLLET NUT<br>COLOR | LATCH HOUSING<br>COLOR | KEYING | PART NO.    |
| PART NUMBERS I THRU 36 |                     |                        |        |             |

|                                                                                       |  |                                                            |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN 09MAR2006<br>K. MILLER<br>CHK 09MAR2006<br>L. BREKOSKY |  |  TE Connectivity |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                  |  | 10 POSITION, CABLE COLLET<br>STRAIGHT PLUG ASSEMBLY<br>0 AND 80 DEGREE KEYING                         |  |
|  |  | APVD -<br>PRODUCT SPEC<br>108-2249                         |  |                                                                                                       |  |
| 0 PLC ±.<br>1 PLC ±0.13<br>2 PLC ±0.08<br>3 PLC ±.<br>4 PLC ±.<br>ANGLES ±1°          |  | APPLICATION SPEC<br>114-13184                              |  |                                                                                                       |  |
| MATERIAL<br>FINISH                                                                    |  | WEIGHT<br>-                                                |  |                                                                                                       |  |
| -                                                                                     |  | -                                                          |  | SIZE A2<br>CAGE CODE 00779<br>DRAWING NO. C-1877848<br>RESTRICTED TO -                                |  |
|                                                                                       |  | CUSTOMER DRAWING                                           |  | SCALE 4:1<br>SHEET 2 of 3<br>REV B3                                                                   |  |

4

3

2

1

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LOC

DIST

AD00

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
|   | -   | SEE SHEET 1 | -    | -   | -    |
|   |     |             |      |     |      |
|   |     |             |      |     |      |
|   |     |             |      |     |      |

|                         |                     |                        |        |             |
|-------------------------|---------------------|------------------------|--------|-------------|
| Ø 2.7-Ø 3.9             | BLACK               | GRAY                   | 80°    | 8-1877848-4 |
| Ø 4.0-Ø 5.2             | BLACK               | GRAY                   | 80°    | 8-1877848-3 |
| Ø 5.3-Ø 6.5             | BLACK               | GRAY                   | 80°    | 8-1877848-2 |
| Ø 2.7-Ø 3.9             | BLACK               | GRAY                   | 0°     | 8-1877848-1 |
| Ø 4.0-Ø 5.2             | BLACK               | GRAY                   | 0°     | 8-1877848-0 |
| Ø 5.3-Ø 6.5             | BLACK               | GRAY                   | 0°     | 7-1877848-9 |
| Ø 2.7-Ø 3.9             | GRAY                | BLACK                  | 80°    | 7-1877848-8 |
| Ø 4.0-Ø 5.2             | GRAY                | BLACK                  | 80°    | 7-1877848-7 |
| Ø 5.3-Ø 6.5             | GRAY                | BLACK                  | 80°    | 7-1877848-6 |
| Ø 2.7-Ø 3.9             | GRAY                | BLACK                  | 0°     | 7-1877848-5 |
| Ø 4.0-Ø 5.2             | GRAY                | BLACK                  | 0°     | 7-1877848-4 |
| Ø 5.3-Ø 6.5             | GRAY                | BLACK                  | 0°     | 7-1877848-3 |
| CABLE RANGE             | COLLET NUT<br>COLOR | LATCH HOUSING<br>COLOR | KEYING | PART NO.    |
| PART NUMBERS 73 THRU 84 |                     |                        |        |             |

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DWN

K. MILLER

09MAR2006

CHK

L. BREKOSKY

09MAR2006

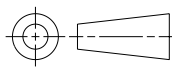
APVD

-

-

DIMENSTONS:

mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-

1 PLC ±0.13

2 PLC ±0.08

3 PLC ±-

4 PLC ±-

ANGLES ±1°

FINISH

MATERIAL

-

PRODUCT SPEC

108-2249

APPLICATION SPEC

114-13184

WEIGHT

-

CUSTOMER DRAWING

NAME

10 POSITION, CABLE COLLET  
STRAIGHT PLUG ASSEMBLY  
0 AND 80 DEGREE KEYING

SIZE

A2

CAGE CODE

00779

DRAWING NO

1877848

RESTRICTED TO

-

SCALE

4:1

SHEET

3

OF

3

REV

B3

TE Connectivity

1471-9 (3/11)