

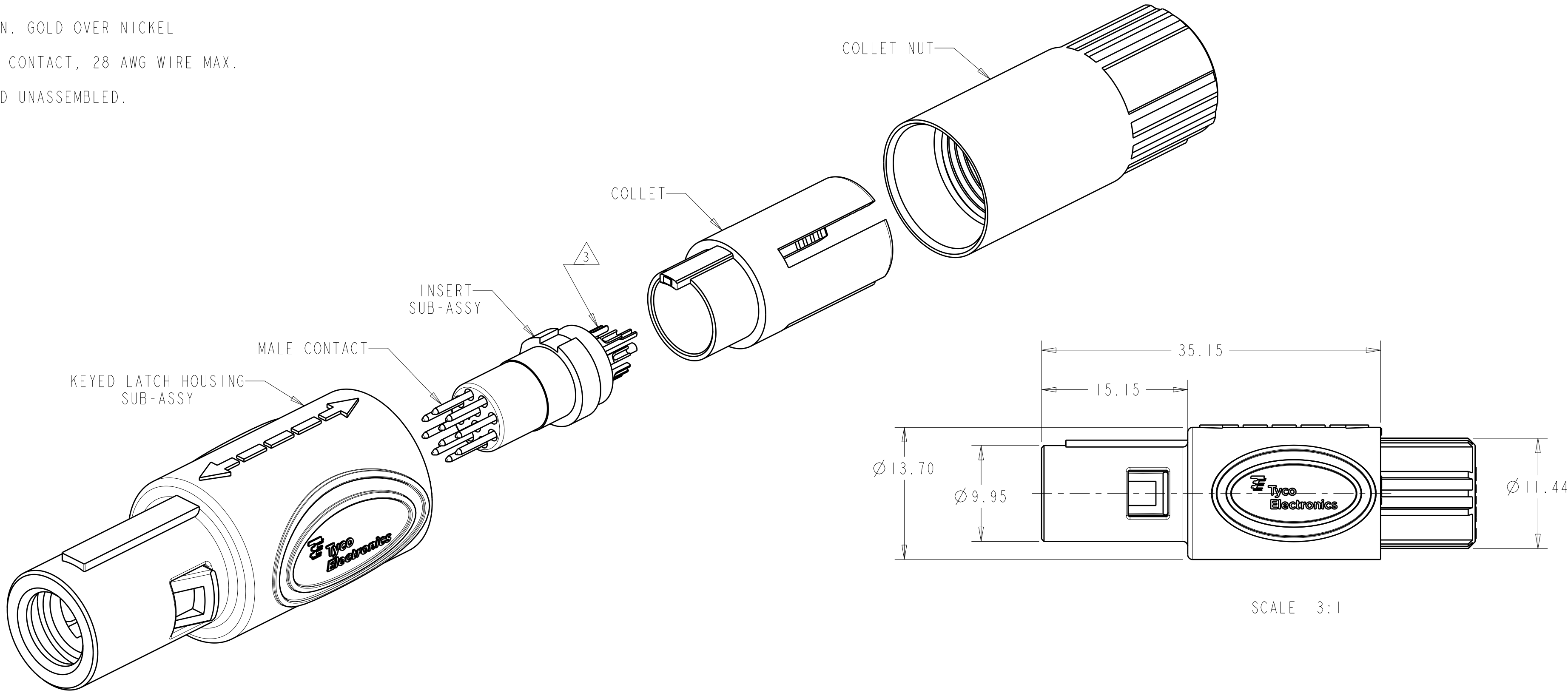
| LOC | DIST | REVISIONS |     |                           |           |     |      |
|-----|------|-----------|-----|---------------------------|-----------|-----|------|
| AD  | 00   | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|     |      |           | B3  | REVISED PER 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

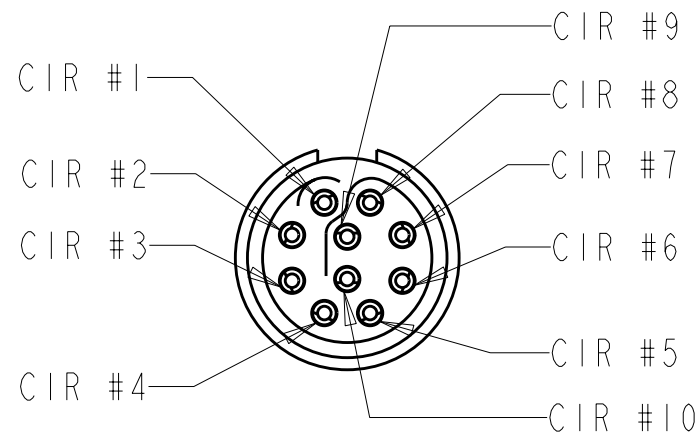
2 FINISH:  
CONTACT, 0.75µm MIN. GOLD OVER NICKEL

3 SOLDER TERMINATION CONTACT, 28 AWG WIRE MAX.

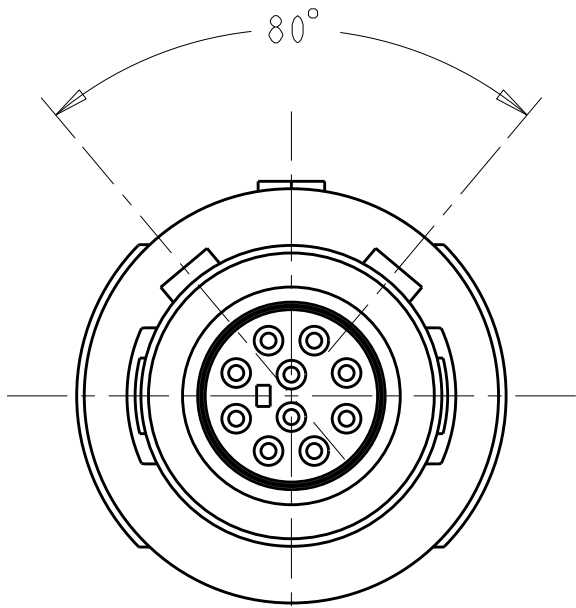
4. PRODUCT IS SUPPLIED UNASSEMBLED.



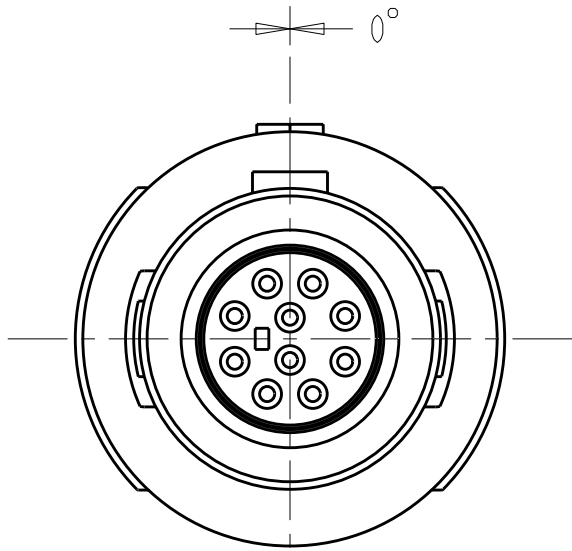
SCALE 3:1



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:<br>mm                                                                   |  | APVD<br>-                       | NAME<br>10 POSITION, CABLE COLLET<br>STRAIGHT PLUG ASSEMBLY<br>0 AND 80 DEGREE KEYING |  |  |  |
| TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                           |  | PRODUCT SPEC<br>108-2249        | SIZE<br>A2                                                                            |  |  |  |
| 0 PLC ±<br>1 PLC ±0.13<br>2 PLC ±0.08<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±1°<br>FINISH |  | APPLICATION SPEC<br>114-13184   | CAGE CODE<br>00779                                                                    |  |  |  |
| MATERIAL<br>1                                                                       |  | WEIGHT<br>-                     | DRAWING NO<br>1877848                                                                 |  |  |  |
|                                                                                     |  | CUSTOMER DRAWING                | RESTRICTED TO<br>-                                                                    |  |  |  |
|                                                                                     |  |                                 | SCALE 4:1 SHEET 1 OF 3 REV B3                                                         |  |  |  |

|                                          |                          |    |
|------------------------------------------|--------------------------|----|
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| LOC        | DIST | REVISIONS |     |             |      |     |      |
|------------|------|-----------|-----|-------------|------|-----|------|
| AD         | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| 3-6<br>3-5 |      |           | -   | 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 OTHERWISE SPECIFIED:<br>0 PLC ±<br>1 PLC ±0.13<br>2 PLC ±0.08<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±1° |  | NAME<br>10 POSITION, CABLE COLLET<br>STRAIGHT PLUG ASSEMBLY<br>0 AND 80 DEGREE KEYING                 |  |
|  |  | PRODUCT SPEC<br>108-2249<br>APPLICATION SPEC<br>114-13184                                                           |  | SIZE<br>A2                                                                                            |  |
| MATERIAL<br>-                                                                         |  | FINISH<br>-                                                                                                         |  | CAGE CODE<br>00779                                                                                    |  |
|                                                                                       |  | WEIGHT<br>-                                                                                                         |  | DRAWING NO<br>C-1877848                                                                               |  |
| CUSTOMER DRAWING                                                                      |  |                                                                                                                     |  | RESTRICTED TO<br>-                                                                                    |  |
|                                                                                       |  |                                                                                                                     |  | SCALE<br>4:1                                                                                          |  |
|                                                                                       |  |                                                                                                                     |  | SHEET<br>2 of 3                                                                                       |  |
|                                                                                       |  |                                                                                                                     |  | REV<br>B3                                                                                             |  |



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