

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

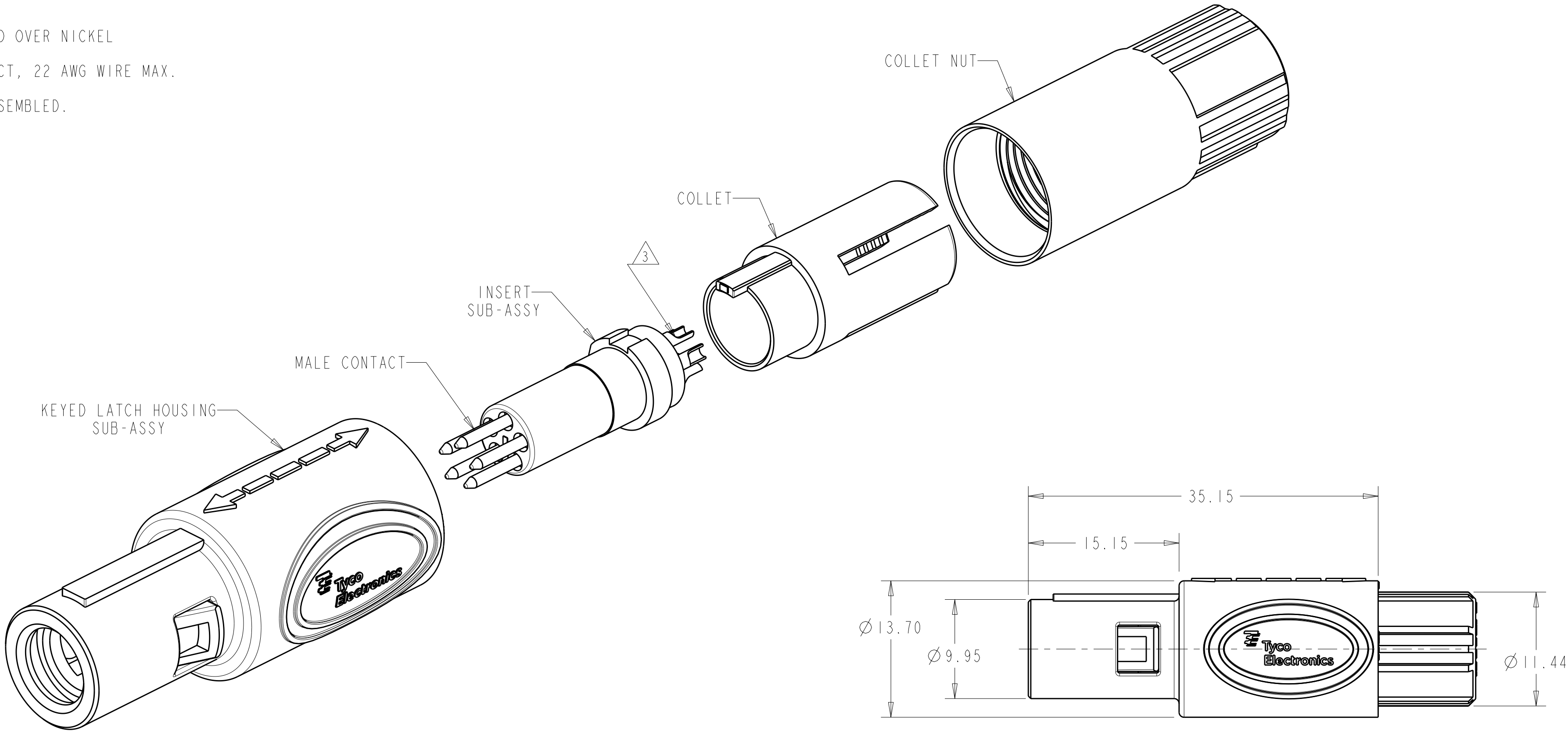
| DWN | APVD |
|-----|------|
| RK  | HMR  |
|     |      |
|     |      |
|     |      |
|     |      |
|     |      |

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

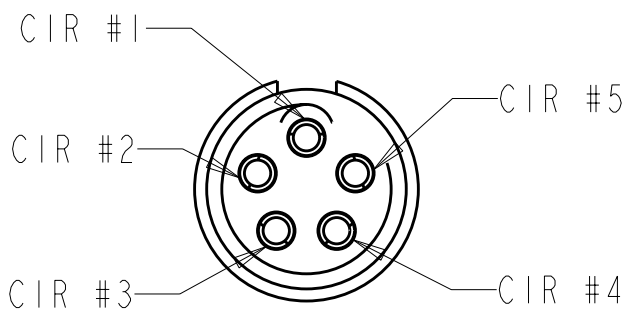
2 FINISH:  
CONTACT, 0.75µm MIN. GOLD OVER NICKEL

3 SOLDER TERMINATION CONTACT, 22 AWG WIRE MAX.

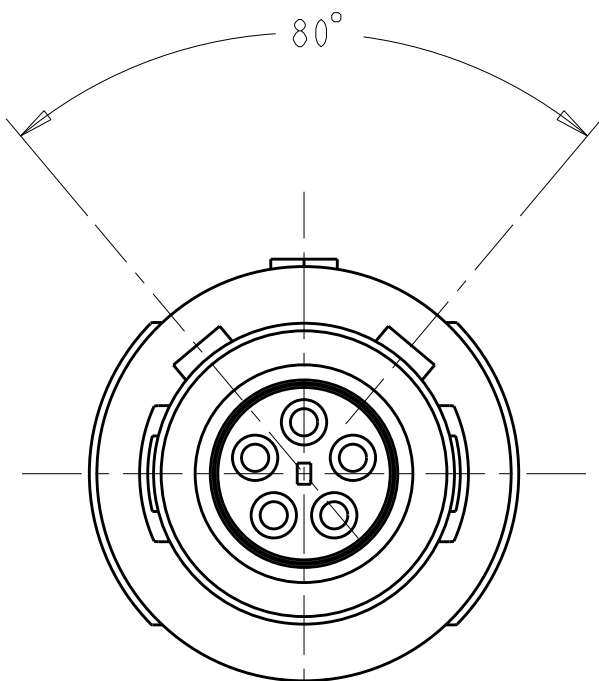
4. PRODUCT IS SUPPLIED UNASSEMBLED.



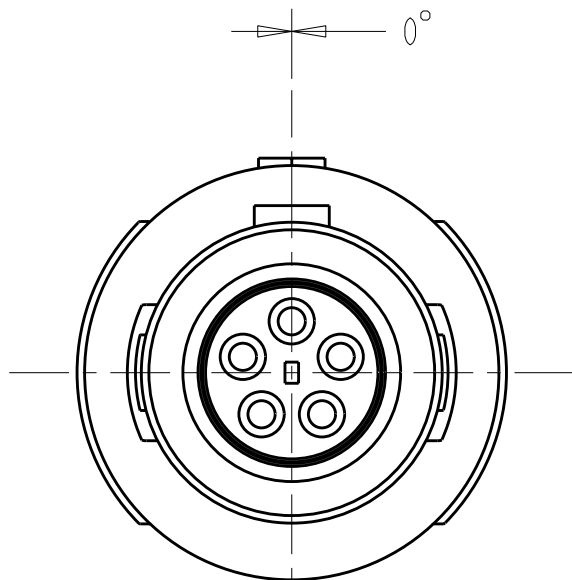
SCALE 3:1



INSERT SUB-ASSY  
CIRCUIT DESIGNATION VIEW

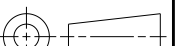


80° KEYING  
SCALE 4:1



0° KEYING  
SCALE 4:1

SEE SHEET 2 FOR  
PART NUMBER SELECTION  
PART NUMBER

|                                                                                       |  |                                                                                       |  |                                                                              |  |                                                                                                       |  |                         |  |
|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|-------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>K. MILLER<br>CHK<br>L. BREKOSKY<br>APVD<br>-                                   |  | 09MAR2006<br>09MAR2006                                                       |  |  TE Connectivity |  |                         |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                |  | NAME                                                                         |  |                                                                                                       |  |                         |  |
|  |  | 0 PLC ±-                                                                              |  | 5 POSITION, CABLE COLLET<br>STRAIGHT PLUG ASSEMBLY<br>0 AND 80 DEGREE KEYING |  |                                                                                                       |  |                         |  |
|                                                                                       |  | 1 PLC ±0.13                                                                           |  |                                                                              |  |                                                                                                       |  |                         |  |
|                                                                                       |  | 2 PLC ±0.08                                                                           |  |                                                                              |  |                                                                                                       |  |                         |  |
|                                                                                       |  | 3 PLC ±-                                                                              |  |                                                                              |  |                                                                                                       |  |                         |  |
|                                                                                       |  | 4 PLC ±-                                                                              |  |                                                                              |  |                                                                                                       |  |                         |  |
| ANGLES ±1°                                                                            |  | PRODUCT SPEC<br>108-2249                                                              |  | SIZE<br>A2                                                                   |  |                                                                                                       |  |                         |  |
| FINISH                                                                                |  | APPLICATION SPEC<br>114-13184                                                         |  |                                                                              |  |                                                                                                       |  | CAGE CODE<br>00779      |  |
| MATERIAL                                                                              |  | WEIGHT<br>-                                                                           |  |                                                                              |  |                                                                                                       |  | DRAWING NO<br>C-1877845 |  |
|  |  |  |  | RESTRICTED TO<br>-                                                           |  | SHEET<br>1 OF 3                                                                                       |  |                         |  |
| CUSTOMER DRAWING                                                                      |  |                                                                                       |  | SCALE<br>4:1                                                                 |  | REV<br>B3                                                                                             |  |                         |  |

4

3

2

1

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LOC

DIST

AD

00

REVISIONS

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

|                         |                |                     |        |             |
|-------------------------|----------------|---------------------|--------|-------------|
| Ø 2.7-Ø 3.9             | BLUE           | GRAY                | 80°    | 7-1877845-2 |
| Ø 4.0-Ø 5.2             | BLUE           | GRAY                | 80°    | 7-1877845-1 |
| Ø 5.3-Ø 6.5             | BLUE           | GRAY                | 80°    | 7-1877845-0 |
| Ø 2.7-Ø 3.9             | BLUE           | GRAY                | 0°     | 6-1877845-9 |
| Ø 4.0-Ø 5.2             | BLUE           | GRAY                | 0°     | 6-1877845-8 |
| Ø 5.3-Ø 6.5             | BLUE           | GRAY                | 0°     | 6-1877845-7 |
| Ø 2.7-Ø 3.9             | BLUE           | BLACK               | 80°    | 6-1877845-6 |
| Ø 4.0-Ø 5.2             | BLUE           | BLACK               | 80°    | 6-1877845-5 |
| Ø 5.3-Ø 6.5             | BLUE           | BLACK               | 80°    | 6-1877845-4 |
| Ø 2.7-Ø 3.9             | BLUE           | BLACK               | 0°     | 6-1877845-3 |
| Ø 4.0-Ø 5.2             | BLUE           | BLACK               | 0°     | 6-1877845-2 |
| Ø 5.3-Ø 6.5             | BLUE           | BLACK               | 0°     | 6-1877845-1 |
| Ø 2.7-Ø 3.9             | GREEN          | GRAY                | 80°    | 6-1877845-0 |
| Ø 4.0-Ø 5.2             | GREEN          | GRAY                | 80°    | 5-1877845-9 |
| Ø 5.3-Ø 6.5             | GREEN          | GRAY                | 80°    | 5-1877845-8 |
| Ø 2.7-Ø 3.9             | GREEN          | GRAY                | 0°     | 5-1877845-7 |
| Ø 4.0-Ø 5.2             | GREEN          | GRAY                | 0°     | 5-1877845-6 |
| Ø 5.3-Ø 6.5             | GREEN          | GRAY                | 0°     | 5-1877845-5 |
| Ø 2.7-Ø 3.9             | GREEN          | BLACK               | 80°    | 5-1877845-4 |
| Ø 4.0-Ø 5.2             | GREEN          | BLACK               | 80°    | 5-1877845-3 |
| Ø 5.3-Ø 6.5             | GREEN          | BLACK               | 80°    | 5-1877845-2 |
| Ø 2.7-Ø 3.9             | GREEN          | BLACK               | 0°     | 5-1877845-1 |
| Ø 4.0-Ø 5.2             | GREEN          | BLACK               | 0°     | 5-1877845-0 |
| Ø 5.3-Ø 6.5             | GREEN          | BLACK               | 0°     | 4-1877845-9 |
| Ø 2.7-Ø 3.9             | YELLOW         | GRAY                | 80°    | 4-1877845-8 |
| Ø 4.0-Ø 5.2             | YELLOW         | GRAY                | 80°    | 4-1877845-7 |
| Ø 5.3-Ø 6.5             | YELLOW         | GRAY                | 80°    | 4-1877845-6 |
| Ø 2.7-Ø 3.9             | YELLOW         | GRAY                | 0°     | 4-1877845-5 |
| Ø 4.0-Ø 5.2             | YELLOW         | GRAY                | 0°     | 4-1877845-4 |
| Ø 5.3-Ø 6.5             | YELLOW         | GRAY                | 0°     | 4-1877845-3 |
| Ø 2.7-Ø 3.9             | YELLOW         | BLACK               | 80°    | 4-1877845-2 |
| Ø 4.0-Ø 5.2             | YELLOW         | BLACK               | 80°    | 4-1877845-1 |
| Ø 5.3-Ø 6.5             | YELLOW         | BLACK               | 80°    | 4-1877845-0 |
| Ø 2.7-Ø 3.9             | YELLOW         | BLACK               | 0°     | 3-1877845-9 |
| Ø 4.0-Ø 5.2             | YELLOW         | BLACK               | 0°     | 3-1877845-8 |
| Ø 5.3-Ø 6.5             | YELLOW         | BLACK               | 0°     | 3-1877845-7 |
| CABLE RANGE             | BACK-NUT COLOR | LATCH HOUSING COLOR | KEYING | PART NO.    |
| PART NUMBERS 37 THRU 72 |                |                     |        |             |

|                        |                |                     |        |             |
|------------------------|----------------|---------------------|--------|-------------|
| Ø 2.7-Ø 3.9            | WHITE          | GRAY                | 80°    | 3-1877845-6 |
| Ø 4.0-Ø 5.2            | WHITE          | GRAY                | 80°    | 3-1877845-5 |
| Ø 5.3-Ø 6.5            | WHITE          | GRAY                | 80°    | 3-1877845-4 |
| Ø 2.7-Ø 3.9            | WHITE          | GRAY                | 0°     | 3-1877845-3 |
| Ø 4.0-Ø 5.2            | WHITE          | GRAY                | 0°     | 3-1877845-2 |
| Ø 5.3-Ø 6.5            | WHITE          | GRAY                | 0°     | 3-1877845-1 |
| Ø 2.7-Ø 3.9            | WHITE          | BLACK               | 80°    | 3-1877845-0 |
| Ø 4.0-Ø 5.2            | WHITE          | BLACK               | 80°    | 2-1877845-9 |
| Ø 5.3-Ø 6.5            | WHITE          | BLACK               | 80°    | 2-1877845-8 |
| Ø 2.7-Ø 3.9            | WHITE          | BLACK               | 0°     | 2-1877845-7 |
| Ø 4.0-Ø 5.2            | WHITE          | BLACK               | 0°     | 2-1877845-6 |
| Ø 5.3-Ø 6.5            | WHITE          | BLACK               | 0°     | 2-1877845-5 |
| Ø 2.7-Ø 3.9            | RED            | GRAY                | 80°    | 2-1877845-4 |
| Ø 4.0-Ø 5.2            | RED            | GRAY                | 80°    | 2-1877845-3 |
| Ø 5.3-Ø 6.5            | RED            | GRAY                | 80°    | 2-1877845-2 |
| Ø 2.7-Ø 3.9            | RED            | GRAY                | 0°     | 2-1877845-1 |
| Ø 4.0-Ø 5.2            | RED            | GRAY                | 0°     | 2-1877845-0 |
| Ø 5.3-Ø 6.5            | RED            | GRAY                | 0°     | 1-1877845-9 |
| Ø 2.7-Ø 3.9            | RED            | BLACK               | 80°    | 1-1877845-8 |
| Ø 4.0-Ø 5.2            | RED            | BLACK               | 80°    | 1-1877845-7 |
| Ø 5.3-Ø 6.5            | RED            | BLACK               | 80°    | 1-1877845-6 |
| Ø 2.7-Ø 3.9            | RED            | BLACK               | 0°     | 1-1877845-5 |
| Ø 4.0-Ø 5.2            | RED            | BLACK               | 0°     | 1-1877845-4 |
| Ø 5.3-Ø 6.5            | RED            | BLACK               | 0°     | 1-1877845-3 |
| Ø 2.7-Ø 3.9            | GRAY           | GRAY                | 80°    | 1-1877845-2 |
| Ø 4.0-Ø 5.2            | GRAY           | GRAY                | 80°    | 1-1877845-1 |
| Ø 5.3-Ø 6.5            | GRAY           | GRAY                | 80°    | 1-1877845-0 |
| Ø 2.7-Ø 3.9            | GRAY           | GRAY                | 0°     | 1877845-9   |
| Ø 4.0-Ø 5.2            | GRAY           | GRAY                | 0°     | 1877845-8   |
| Ø 5.3-Ø 6.5            | GRAY           | GRAY                | 0°     | 1877845-7   |
| Ø 2.7-Ø 3.9            | BLACK          | BLACK               | 80°    | 1877845-6   |
| Ø 4.0-Ø 5.2            | BLACK          | BLACK               | 80°    | 1877845-5   |
| Ø 5.3-Ø 6.5            | BLACK          | BLACK               | 80°    | 1877845-4   |
| Ø 2.7-Ø 3.9            | BLACK          | BLACK               | 0°     | 1877845-3   |
| Ø 4.0-Ø 5.2            | BLACK          | BLACK               | 0°     | 1877845-2   |
| Ø 5.3-Ø 6.5            | BLACK          | BLACK               | 0°     | 1877845-1   |
| CABLE RANGE            | BACK-NUT COLOR | LATCH HOUSING COLOR | KEYING | PART NO.    |
| PART NUMBERS 1 THRU 36 |                |                     |        |             |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm

MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±  
1 PLC ±0.13  
2 PLC ±0.08  
3 PLC ±  
4 PLC ±  
ANGLES ±1°  
FINISH

DWN  
K. MILLER  
CHK  
L. BREKOSKY  
APVD  
-  
PRODUCT SPEC  
108-2249  
APPLICATION SPEC  
114-13184  
WEIGHT  
-  
CUSTOMER DRAWING

DWN  
09MAR2006  
CHK  
09MAR2006  
APVD  
-  
NAME  
5 POSITION, CABLE COLLET  
STRAIGHT PLUG ASSEMBLY  
0 AND 80 DEGREE KEYING  
SIZE  
A2  
CAGE CODE  
00779  
DRAWING NO  
1877845  
RESTRICTED TO  
-  
SCALE  
4:1  
SHEET  
2  
OF  
3  
REV  
B3

1471-9 (3/11)

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°    | 8-1877845-4 |
| Ø 4.0-Ø 5.2             | BLACK             | GRAY                   | 80°    | 8-1877845-3 |
| Ø 5.3-Ø 6.5             | BLACK             | GRAY                   | 80°    | 8-1877845-2 |
| Ø 2.7-Ø 3.9             | BLACK             | GRAY                   | 0°     | 8-1877845-1 |
| Ø 4.0-Ø 5.2             | BLACK             | GRAY                   | 0°     | 8-1877845-0 |
| Ø 5.3-Ø 6.5             | BLACK             | GRAY                   | 0°     | 7-1877845-9 |
| Ø 2.7-Ø 3.9             | GRAY              | BLACK                  | 80°    | 7-1877845-8 |
| Ø 4.0-Ø 5.2             | GRAY              | BLACK                  | 80°    | 7-1877845-7 |
| Ø 5.3-Ø 6.5             | GRAY              | BLACK                  | 80°    | 7-1877845-6 |
| Ø 2.7-Ø 3.9             | GRAY              | BLACK                  | 0°     | 7-1877845-5 |
| Ø 4.0-Ø 5.2             | GRAY              | BLACK                  | 0°     | 7-1877845-4 |
| Ø 5.3-Ø 6.5             | GRAY              | BLACK                  | 0°     | 7-1877845-3 |
| CABLE RANGE             | BACK-NUT<br>COLOR | LATCH HOUSING<br>COLOR | KEYING | PART NO.    |
| PART NUMBERS 73 THRU 84 |                   |                        |        |             |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

09MAR2006

09MAR2006

-

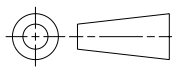
108-2249

114-13184

-

DIMENSIONS:

mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±-  
1 PLC ±0.13  
2 PLC ±0.08  
3 PLC ±-  
4 PLC ±-  
ANGLES ±1°  
FINISH

MATERIAL

-

TE Connectivity

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

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

00779

1877845

-

SCALE

4:1

SHEET

3

OF

3

REV

B3

1471-9 (3/11)



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[3-1877845-2](#)