

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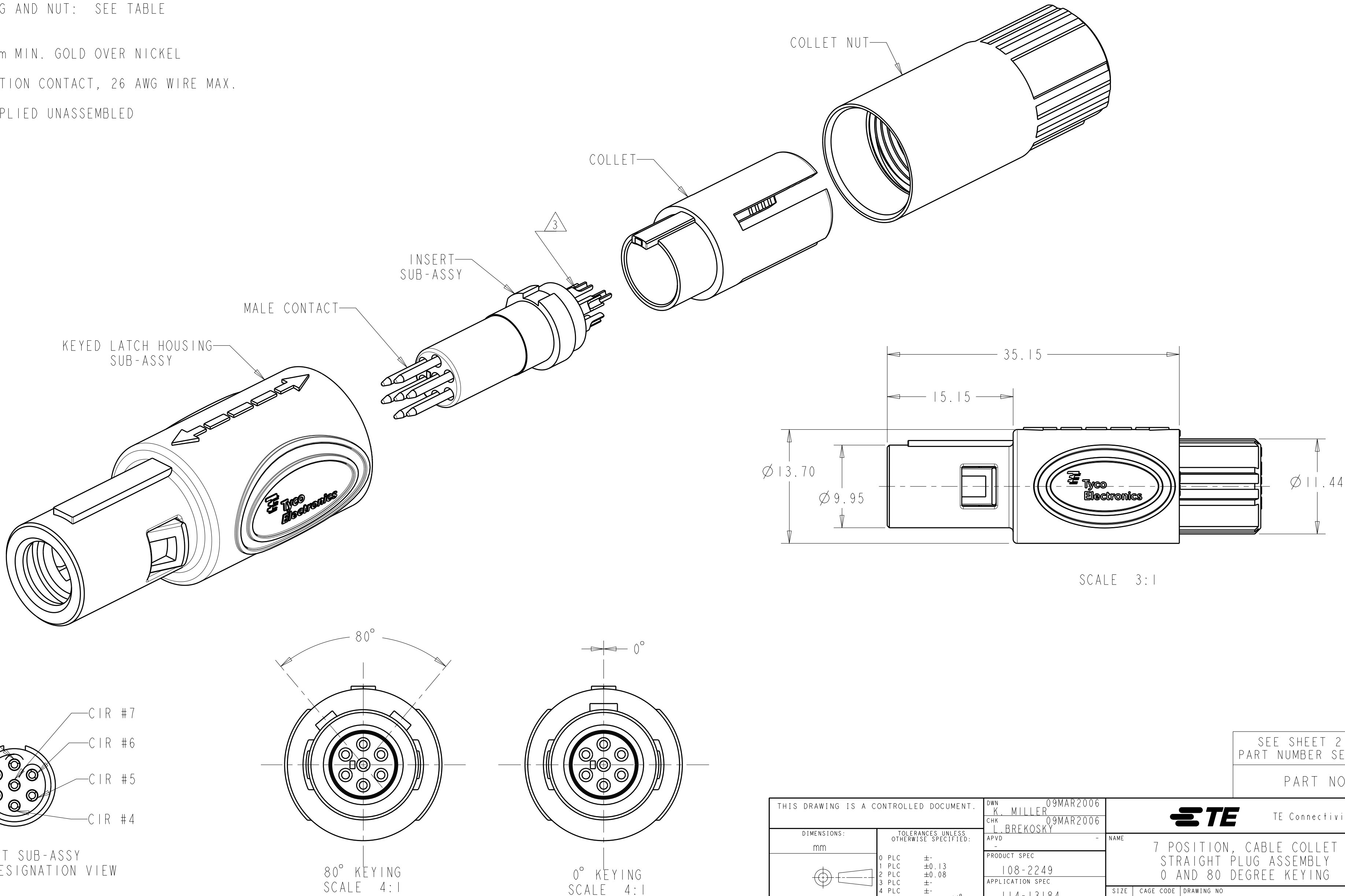
| LOC | DIST | REVISIONS                 |           |     |      |  |
|-----|------|---------------------------|-----------|-----|------|--|
| P   | LTR  | DESCRIPTION               | DATE      | DWN | APVD |  |
|     | B3   | REVISED PER ECO-11-005027 | 12MAR2011 | RK  | HMR  |  |
|     |      |  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

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, 26 AWG WIRE MAX.

4. PRODUCT IS SUPPLIED UNASSEMBLED



SEE SHEET 2 FOR  
PART NUMBER SELECTION

PART NO.

|                                        |  |                                                     |                             |                  |  |
|----------------------------------------|--|-----------------------------------------------------|-----------------------------|------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>K. MILLER<br>CHK<br>L. BREKOSKY<br>APVD<br>- | 09MAR2006<br>09MAR2006<br>- | TE Connectivity  |  |
| DIMENSIONS:<br>mm                      |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:              |                             | NAME             |  |
| 0 PLC ±                                |  | 1 PLC ±0.13                                         |                             | PRODUCT SPEC     |  |
| 2 PLC ±0.08                            |  | 3 PLC ±                                             |                             | 108-2249         |  |
| 4 PLC ±                                |  | ANGLES ±1°                                          |                             | APPLICATION SPEC |  |
| FINISH                                 |  | 114-13184                                           |                             | WEIGHT           |  |
| MATERIAL                               |  | -                                                   |                             | SIZE             |  |
| 1                                      |  | 2                                                   |                             | A200779          |  |
| CUSTOMER DRAWING                       |  | SCALE 4:1                                           |                             | SHEET 1 OF 3     |  |
|                                        |  |                                                     |                             | 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             | BLUE             | GRAY                | 80°    | 7-1877847-2 |
| Ø 4.0-Ø 5.2             | BLUE             | GRAY                | 80°    | 7-1877847-1 |
| Ø 5.3-Ø 6.5             | BLUE             | GRAY                | 80°    | 7-1877847-0 |
| Ø 2.7-Ø 3.9             | BLUE             | GRAY                | 0°     | 6-1877847-9 |
| Ø 4.0-Ø 5.2             | BLUE             | GRAY                | 0°     | 6-1877847-8 |
| Ø 5.3-Ø 6.5             | BLUE             | GRAY                | 0°     | 6-1877847-7 |
| Ø 2.7-Ø 3.9             | BLUE             | BLACK               | 80°    | 6-1877847-6 |
| Ø 4.0-Ø 5.2             | BLUE             | BLACK               | 80°    | 6-1877847-5 |
| Ø 5.3-Ø 6.5             | BLUE             | BLACK               | 80°    | 6-1877847-4 |
| Ø 2.7-Ø 3.9             | BLUE             | BLACK               | 0°     | 6-1877847-3 |
| Ø 4.0-Ø 5.2             | BLUE             | BLACK               | 0°     | 6-1877847-2 |
| Ø 5.3-Ø 6.5             | BLUE             | BLACK               | 0°     | 6-1877847-1 |
| Ø 2.7-Ø 3.9             | GREEN            | GRAY                | 80°    | 6-1877847-0 |
| Ø 4.0-Ø 5.2             | GREEN            | GRAY                | 80°    | 5-1877847-9 |
| Ø 5.3-Ø 6.5             | GREEN            | GRAY                | 80°    | 5-1877847-8 |
| Ø 2.7-Ø 3.9             | GREEN            | GRAY                | 0°     | 5-1877847-7 |
| Ø 4.0-Ø 5.2             | GREEN            | GRAY                | 0°     | 5-1877847-6 |
| Ø 5.3-Ø 6.5             | GREEN            | GRAY                | 0°     | 5-1877847-5 |
| Ø 2.7-Ø 3.9             | GREEN            | BLACK               | 80°    | 5-1877847-4 |
| Ø 4.0-Ø 5.2             | GREEN            | BLACK               | 80°    | 5-1877847-3 |
| Ø 5.3-Ø 6.5             | GREEN            | BLACK               | 80°    | 5-1877847-2 |
| Ø 2.7-Ø 3.9             | GREEN            | BLACK               | 0°     | 5-1877847-1 |
| Ø 4.0-Ø 5.2             | GREEN            | BLACK               | 0°     | 5-1877847-0 |
| Ø 5.3-Ø 6.5             | GREEN            | BLACK               | 0°     | 4-1877847-9 |
| Ø 2.7-Ø 3.9             | YELLOW           | GRAY                | 80°    | 4-1877847-8 |
| Ø 4.0-Ø 5.2             | YELLOW           | GRAY                | 80°    | 4-1877847-7 |
| Ø 5.3-Ø 6.5             | YELLOW           | GRAY                | 80°    | 4-1877847-6 |
| Ø 2.7-Ø 3.9             | YELLOW           | GRAY                | 0°     | 4-1877847-5 |
| Ø 4.0-Ø 5.2             | YELLOW           | GRAY                | 0°     | 4-1877847-4 |
| Ø 5.3-Ø 6.5             | YELLOW           | GRAY                | 0°     | 4-1877847-3 |
| Ø 2.7-Ø 3.9             | YELLOW           | BLACK               | 80°    | 4-1877847-2 |
| Ø 4.0-Ø 5.2             | YELLOW           | BLACK               | 80°    | 4-1877847-1 |
| Ø 5.3-Ø 6.5             | YELLOW           | BLACK               | 80°    | 4-1877847-0 |
| Ø 2.7-Ø 3.9             | YELLOW           | BLACK               | 0°     | 3-1877847-9 |
| Ø 4.0-Ø 5.2             | YELLOW           | BLACK               | 0°     | 3-1877847-8 |
| Ø 5.3-Ø 6.5             | YELLOW           | BLACK               | 0°     | 3-1877847-7 |
| CABLE RANGE             | COLLET NUT COLOR | LATCH HOUSING COLOR | KEYING | PART NO.    |
| PART NUMBERS 37 THRU 72 |                  |                     |        |             |

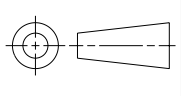
|                        |                  |                     |        |             |
|------------------------|------------------|---------------------|--------|-------------|
| Ø 2.7-Ø 3.9            | WHITE            | GRAY                | 80°    | 3-1877847-6 |
| Ø 4.0-Ø 5.2            | WHITE            | GRAY                | 80°    | 3-1877847-5 |
| Ø 5.3-Ø 6.5            | WHITE            | GRAY                | 80°    | 3-1877847-4 |
| Ø 2.7-Ø 3.9            | WHITE            | GRAY                | 0°     | 3-1877847-3 |
| Ø 4.0-Ø 5.2            | WHITE            | GRAY                | 0°     | 3-1877847-2 |
| Ø 5.3-Ø 6.5            | WHITE            | GRAY                | 0°     | 3-1877847-1 |
| Ø 2.7-Ø 3.9            | WHITE            | BLACK               | 80°    | 3-1877847-0 |
| Ø 4.0-Ø 5.2            | WHITE            | BLACK               | 80°    | 2-1877847-9 |
| Ø 5.3-Ø 6.5            | WHITE            | BLACK               | 80°    | 2-1877847-8 |
| Ø 2.7-Ø 3.9            | WHITE            | BLACK               | 0°     | 2-1877847-7 |
| Ø 4.0-Ø 5.2            | WHITE            | BLACK               | 0°     | 2-1877847-6 |
| Ø 5.3-Ø 6.5            | WHITE            | BLACK               | 0°     | 2-1877847-5 |
| Ø 2.7-Ø 3.9            | RED              | GRAY                | 80°    | 2-1877847-4 |
| Ø 4.0-Ø 5.2            | RED              | GRAY                | 80°    | 2-1877847-3 |
| Ø 5.3-Ø 6.5            | RED              | GRAY                | 80°    | 2-1877847-2 |
| Ø 2.7-Ø 3.9            | RED              | GRAY                | 0°     | 2-1877847-1 |
| Ø 4.0-Ø 5.2            | RED              | GRAY                | 0°     | 2-1877847-0 |
| Ø 5.3-Ø 6.5            | RED              | GRAY                | 0°     | 1-1877847-9 |
| Ø 2.7-Ø 3.9            | RED              | BLACK               | 80°    | 1-1877847-8 |
| Ø 4.0-Ø 5.2            | RED              | BLACK               | 80°    | 1-1877847-7 |
| Ø 5.3-Ø 6.5            | RED              | BLACK               | 80°    | 1-1877847-6 |
| Ø 2.7-Ø 3.9            | RED              | BLACK               | 0°     | 1-1877847-5 |
| Ø 4.0-Ø 5.2            | RED              | BLACK               | 0°     | 1-1877847-4 |
| Ø 5.3-Ø 6.5            | RED              | BLACK               | 0°     | 1-1877847-3 |
| Ø 2.7-Ø 3.9            | GRAY             | GRAY                | 80°    | 1-1877847-2 |
| Ø 4.0-Ø 5.2            | GRAY             | GRAY                | 80°    | 1-1877847-1 |
| Ø 5.3-Ø 6.5            | GRAY             | GRAY                | 80°    | 1-1877847-0 |
| Ø 2.7-Ø 3.9            | GRAY             | GRAY                | 0°     | 1877847-9   |
| Ø 4.0-Ø 5.2            | GRAY             | GRAY                | 0°     | 1877847-8   |
| Ø 5.3-Ø 6.5            | GRAY             | GRAY                | 0°     | 1877847-7   |
| Ø 2.7-Ø 3.9            | BLACK            | BLACK               | 80°    | 1877847-6   |
| Ø 4.0-Ø 5.2            | BLACK            | BLACK               | 80°    | 1877847-5   |
| Ø 5.3-Ø 6.5            | BLACK            | BLACK               | 80°    | 1877847-4   |
| Ø 2.7-Ø 3.9            | BLACK            | BLACK               | 0°     | 1877847-3   |
| Ø 4.0-Ø 5.2            | BLACK            | BLACK               | 0°     | 1877847-2   |
| Ø 5.3-Ø 6.5            | BLACK            | BLACK               | 0°     | 1877847-1   |
| CABLE RANGE            | COLLET NUT COLOR | LATCH HOUSING COLOR | KEYING | PART NO.    |
| PART NUMBERS 1 THRU 36 |                  |                     |        |             |

1471-9 (3/11)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm



TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

MATERIAL

-

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

09MAR2006

09MAR2006

-

NAME

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

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
1877847

RESTRICTED TO  
-

SCALE  
4:1

SHEET  
2

OF  
3

REV  
B3

TE Connectivity

4

3

2

1

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LOCAD

DIST00

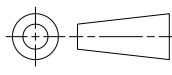
REVISIONS

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

|                         |                     |                        |        |             |
|-------------------------|---------------------|------------------------|--------|-------------|
| Ø 2.7-Ø 3.9             | BLACK               | GRAY                   | 80°    | 8-1877847-4 |
| Ø 4.0-Ø 5.2             | BLACK               | GRAY                   | 80°    | 8-1877847-3 |
| Ø 5.3-Ø 6.5             | BLACK               | GRAY                   | 80°    | 8-1877847-2 |
| Ø 2.7-Ø 3.9             | BLACK               | GRAY                   | 0°     | 8-1877847-1 |
| Ø 4.0-Ø 5.2             | BLACK               | GRAY                   | 0°     | 8-1877847-0 |
| Ø 5.3-Ø 6.5             | BLACK               | GRAY                   | 0°     | 7-1877847-9 |
| Ø 2.7-Ø 3.9             | GRAY                | BLACK                  | 80°    | 7-1877847-8 |
| Ø 4.0-Ø 5.2             | GRAY                | BLACK                  | 80°    | 7-1877847-7 |
| Ø 5.3-Ø 6.5             | GRAY                | BLACK                  | 80°    | 7-1877847-6 |
| Ø 2.7-Ø 3.9             | GRAY                | BLACK                  | 0°     | 7-1877847-5 |
| Ø 4.0-Ø 5.2             | GRAY                | BLACK                  | 0°     | 7-1877847-4 |
| Ø 5.3-Ø 6.5             | GRAY                | BLACK                  | 0°     | 7-1877847-3 |
| CABLE RANGE             | COLLET NUT<br>COLOR | LATCH HOUSING<br>COLOR | KEYING | PART NO.    |
| PART NUMBERS 73 THRU 84 |                     |                        |        |             |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm



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

09MAR2006

09MAR2006

-

108-2249

114-13184

-

CUSTOMER DRAWING

TE Connectivity

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

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
1877847

RESTRICTED TO  
-

SCALE  
4:1

SHEET  
3

OF  
3

REV  
B3

1471-9 (3/11)

# Mouser Electronics

Authorized Distributor

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