



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

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

|                                                                                     |  |                                                                          |                             |                                                                                            |                    |                         |                    |
|-------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------------------------------------|--------------------|-------------------------|--------------------|
| 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<br>6 POSITION CABLE COLLET<br>0 DEGREE AND 80 DEGREE KEYING<br>STRAIGHT PLUG ASSEMBLY |                    |                         |                    |
| 0 PLC ±<br>1 PLC ±0.13<br>2 PLC ±0.08<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±1°<br>FINISH |  | PRODUCT SPEC<br>108-2249<br>APPLICATION SPEC<br>114-13184<br>WEIGHT<br>- |                             | SIZE<br>A2                                                                                 | CAGE CODE<br>00779 | DRAWING NO<br>C-1877846 | RESTRICTED TO<br>- |
| MATERIAL<br>1                                                                       |  | CUSTOMER DRAWING                                                         |                             | SCALE<br>4:1                                                                               | SHEET<br>1         | OF<br>3                 | REV<br>B3          |

SEE SHEET 2 FOR  
PART NUMBER SELECTION

PART NO.

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°    | 7-1877846-2 |
| Ø 4.0-Ø 5.2             | BLUE             | GRAY                | 80°    | 7-1877846-1 |
| Ø 5.3-Ø 6.5             | BLUE             | GRAY                | 80°    | 7-1877846-0 |
| Ø 2.7-Ø 3.9             | BLUE             | GRAY                | 0°     | 6-1877846-9 |
| Ø 4.0-Ø 5.2             | BLUE             | GRAY                | 0°     | 6-1877846-8 |
| Ø 5.3-Ø 6.5             | BLUE             | GRAY                | 0°     | 6-1877846-7 |
| Ø 2.7-Ø 3.9             | BLUE             | BLACK               | 80°    | 6-1877846-6 |
| Ø 4.0-Ø 5.2             | BLUE             | BLACK               | 80°    | 6-1877846-5 |
| Ø 5.3-Ø 6.5             | BLUE             | BLACK               | 80°    | 6-1877846-4 |
| Ø 2.7-Ø 3.9             | BLUE             | BLACK               | 0°     | 6-1877846-3 |
| Ø 4.0-Ø 5.2             | BLUE             | BLACK               | 0°     | 6-1877846-2 |
| Ø 5.3-Ø 6.5             | BLUE             | BLACK               | 0°     | 6-1877846-1 |
| Ø 2.7-Ø 3.9             | GREEN            | GRAY                | 80°    | 6-1877846-0 |
| Ø 4.0-Ø 5.2             | GREEN            | GRAY                | 80°    | 5-1877846-9 |
| Ø 5.3-Ø 6.5             | GREEN            | GRAY                | 80°    | 5-1877846-8 |
| Ø 2.7-Ø 3.9             | GREEN            | GRAY                | 0°     | 5-1877846-7 |
| Ø 4.0-Ø 5.2             | GREEN            | GRAY                | 0°     | 5-1877846-6 |
| Ø 5.3-Ø 6.5             | GREEN            | GRAY                | 0°     | 5-1877846-5 |
| Ø 2.7-Ø 3.9             | GREEN            | BLACK               | 80°    | 5-1877846-4 |
| Ø 4.0-Ø 5.2             | GREEN            | BLACK               | 80°    | 5-1877846-3 |
| Ø 5.3-Ø 6.5             | GREEN            | BLACK               | 80°    | 5-1877846-2 |
| Ø 2.7-Ø 3.9             | GREEN            | BLACK               | 0°     | 5-1877846-1 |
| Ø 4.0-Ø 5.2             | GREEN            | BLACK               | 0°     | 5-1877846-0 |
| Ø 5.3-Ø 6.5             | GREEN            | BLACK               | 0°     | 4-1877846-9 |
| Ø 2.7-Ø 3.9             | YELLOW           | GRAY                | 80°    | 4-1877846-8 |
| Ø 4.0-Ø 5.2             | YELLOW           | GRAY                | 80°    | 4-1877846-7 |
| Ø 5.3-Ø 6.5             | YELLOW           | GRAY                | 80°    | 4-1877846-6 |
| Ø 2.7-Ø 3.9             | YELLOW           | GRAY                | 0°     | 4-1877846-5 |
| Ø 4.0-Ø 5.2             | YELLOW           | GRAY                | 0°     | 4-1877846-4 |
| Ø 5.3-Ø 6.5             | YELLOW           | GRAY                | 0°     | 4-1877846-3 |
| Ø 2.7-Ø 3.9             | YELLOW           | BLACK               | 80°    | 4-1877846-2 |
| Ø 4.0-Ø 5.2             | YELLOW           | BLACK               | 80°    | 4-1877846-1 |
| Ø 5.3-Ø 6.5             | YELLOW           | BLACK               | 80°    | 4-1877846-0 |
| Ø 2.7-Ø 3.9             | YELLOW           | BLACK               | 0°     | 3-1877846-9 |
| Ø 4.0-Ø 5.2             | YELLOW           | BLACK               | 0°     | 3-1877846-8 |
| Ø 5.3-Ø 6.5             | YELLOW           | BLACK               | 0°     | 3-1877846-7 |
| CABLE RANGE             | COLLET NUT COLOR | LATCH HOUSING COLOR | KEYING | PART NO.    |
| PART NUMBERS 37 THRU 72 |                  |                     |        |             |

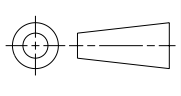
|                        |                  |                     |        |             |
|------------------------|------------------|---------------------|--------|-------------|
| Ø 2.7-Ø 3.9            | WHITE            | GRAY                | 80°    | 3-1877846-6 |
| Ø 4.0-Ø 5.2            | WHITE            | GRAY                | 80°    | 3-1877846-5 |
| Ø 5.3-Ø 6.5            | WHITE            | GRAY                | 80°    | 3-1877846-4 |
| Ø 2.7-Ø 3.9            | WHITE            | GRAY                | 0°     | 3-1877846-3 |
| Ø 4.0-Ø 5.2            | WHITE            | GRAY                | 0°     | 3-1877846-2 |
| Ø 5.3-Ø 6.5            | WHITE            | GRAY                | 0°     | 3-1877846-1 |
| Ø 2.7-Ø 3.9            | WHITE            | BLACK               | 80°    | 3-1877846-0 |
| Ø 4.0-Ø 5.2            | WHITE            | BLACK               | 80°    | 2-1877846-9 |
| Ø 5.3-Ø 6.5            | WHITE            | BLACK               | 80°    | 2-1877846-8 |
| Ø 2.7-Ø 3.9            | WHITE            | BLACK               | 0°     | 2-1877846-7 |
| Ø 4.0-Ø 5.2            | WHITE            | BLACK               | 0°     | 2-1877846-6 |
| Ø 5.3-Ø 6.5            | WHITE            | BLACK               | 0°     | 2-1877846-5 |
| Ø 2.7-Ø 3.9            | RED              | GRAY                | 80°    | 2-1877846-4 |
| Ø 4.0-Ø 5.2            | RED              | GRAY                | 80°    | 2-1877846-3 |
| Ø 5.3-Ø 6.5            | RED              | GRAY                | 80°    | 2-1877846-2 |
| Ø 2.7-Ø 3.9            | RED              | GRAY                | 0°     | 2-1877846-1 |
| Ø 4.0-Ø 5.2            | RED              | GRAY                | 0°     | 2-1877846-0 |
| Ø 5.3-Ø 6.5            | RED              | GRAY                | 0°     | 1-1877846-9 |
| Ø 2.7-Ø 3.9            | RED              | BLACK               | 80°    | 1-1877846-8 |
| Ø 4.0-Ø 5.2            | RED              | BLACK               | 80°    | 1-1877846-7 |
| Ø 5.3-Ø 6.5            | RED              | BLACK               | 80°    | 1-1877846-6 |
| Ø 2.7-Ø 3.9            | RED              | BLACK               | 0°     | 1-1877846-5 |
| Ø 4.0-Ø 5.2            | RED              | BLACK               | 0°     | 1-1877846-4 |
| Ø 5.3-Ø 6.5            | RED              | BLACK               | 0°     | 1-1877846-3 |
| Ø 2.7-Ø 3.9            | GRAY             | GRAY                | 80°    | 1-1877846-2 |
| Ø 4.0-Ø 5.2            | GRAY             | GRAY                | 80°    | 1-1877846-1 |
| Ø 5.3-Ø 6.5            | GRAY             | GRAY                | 80°    | 1-1877846-0 |
| Ø 2.7-Ø 3.9            | GRAY             | GRAY                | 0°     | 1877846-9   |
| Ø 4.0-Ø 5.2            | GRAY             | GRAY                | 0°     | 1877846-8   |
| Ø 5.3-Ø 6.5            | GRAY             | GRAY                | 0°     | 1877846-7   |
| Ø 2.7-Ø 3.9            | BLACK            | BLACK               | 80°    | 1877846-6   |
| Ø 4.0-Ø 5.2            | BLACK            | BLACK               | 80°    | 1877846-5   |
| Ø 5.3-Ø 6.5            | BLACK            | BLACK               | 80°    | 1877846-4   |
| Ø 2.7-Ø 3.9            | BLACK            | BLACK               | 0°     | 1877846-3   |
| Ø 4.0-Ø 5.2            | BLACK            | BLACK               | 0°     | 1877846-2   |
| Ø 5.3-Ø 6.5            | BLACK            | BLACK               | 0°     | 1877846-1   |
| CABLE RANGE            | COLLET NUT COLOR | LATCH HOUSING COLOR | KEYING | PART NO.    |
| PART NUMBERS 1 THRU 36 |                  |                     |        |             |

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DWN  
K. MILLER  
CHK  
L. BREKOSKY  
APVD  
-

09MAR2006  
09MAR2006  
-

DIMENSIONS:  
mm



MATERIAL  
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

-

PRODUCT SPEC  
108-2249  
APPLICATION SPEC  
114-13184  
WEIGHT  
-

CUSTOMER DRAWING

NAME  
6 POSITION CABLE COLLET  
0 DEGREE AND 80 DEGREE KEYING  
STRAIGHT PLUG ASSEMBLY

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
1877846

RESTRICTED TO  
-

SCALE  
4:1

SHEET  
2

OF  
3

REV  
B3

TE Connectivity

1471-9 (3/11)

4

3

2

1

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LOC

DIST

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00

REVISIONS

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

|                         |                   |                        |        |             |
|-------------------------|-------------------|------------------------|--------|-------------|
| Ø 2.7-Ø 3.9             | BLACK             | GRAY                   | 80°    | 8-1877846-4 |
| Ø 4.0-Ø 5.2             | BLACK             | GRAY                   | 80°    | 8-1877846-3 |
| Ø 5.3-Ø 6.5             | BLACK             | GRAY                   | 80°    | 8-1877846-2 |
| Ø 2.7-Ø 3.9             | BLACK             | GRAY                   | 0°     | 8-1877846-1 |
| Ø 4.0-Ø 5.2             | BLACK             | GRAY                   | 0°     | 8-1877846-0 |
| Ø 5.3-Ø 6.5             | BLACK             | GRAY                   | 0°     | 7-1877846-9 |
| Ø 2.7-Ø 3.9             | GRAY              | BLACK                  | 80°    | 7-1877846-8 |
| Ø 4.0-Ø 5.2             | GRAY              | BLACK                  | 80°    | 7-1877846-7 |
| Ø 5.3-Ø 6.5             | GRAY              | BLACK                  | 80°    | 7-1877846-6 |
| Ø 2.7-Ø 3.9             | GRAY              | BLACK                  | 0°     | 7-1877846-5 |
| Ø 4.0-Ø 5.2             | GRAY              | BLACK                  | 0°     | 7-1877846-4 |
| Ø 5.3-Ø 6.5             | GRAY              | BLACK                  | 0°     | 7-1877846-3 |
| CABLE RANGE             | BACK-NUT<br>COLOR | LATCH HOUSING<br>COLOR | KEYING | PART NO.    |
| PART NUMBERS 73 THRU 84 |                   |                        |        |             |

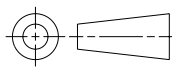
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DWN  
K. MILLER  
CHK  
L. BREKOSKY  
APVD  
-

09MAR2006  
09MAR2006

DIMENSIONS:

mm



MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

-

PRODUCT SPEC  
108-2249  
APPLICATION SPEC  
114-13184  
WEIGHT  
-

CUSTOMER DRAWING

NAME  
6 POSITION CABLE COLLET  
0 DEGREE AND 80 DEGREE KEYING  
STRAIGHT PLUG ASSEMBLY

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
1877846

RESTRICTED TO  
-

SCALE  
4:1

SHEET  
3

OF  
3

REV  
B3

TE Connectivity

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