



- 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 |     |                           |           |     |      |
|-----|------|-----------|-----|---------------------------|-----------|-----|------|
|     |      | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
| AD  | 00   |           | 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 |
| MATERIAL                                                                            |  | CUSTOMER DRAWING                                                         |                             | DRAWING NO.<br>C-1877846                                                                   | 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 |
|     |  |      |  |           | -   | SEE SHEET 1 | -    | -   | -    |
|     |  |      |  |           |     |             |      |     |      |
|     |  |      |  |           |     |             |      |     |      |
|     |  |      |  |           |     |             |      |     |      |
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|------|
| 46-6 |
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|                         |                     |                        |        |             |
|-------------------------|---------------------|------------------------|--------|-------------|
| 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<br>COLOR | LATCH HOUSING<br>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<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:                 |  | NAME<br>6 POSITION CABLE COLLET<br>0 DEGREE AND 80 DEGREE KEYING<br>STRAIGHT PLUG ASSEMBLY            |           |            |               |                          |  |  |  |
|  |  | APVD -                                                     |  |                                                                                                       |           |            |               | PRODUCT SPEC<br>108-2249 |  |  |  |
|                                                                                       |  | APPLICATION SPEC<br>114-13184                              |  |                                                                                                       |           |            |               |                          |  |  |  |
| MATERIAL                                                                              |  | FINISH                                                     |  | SIZE                                                                                                  | CAGE CODE | DRAWING NO | RESTRICTED TO |                          |  |  |  |
| -                                                                                     |  | -                                                          |  | A2                                                                                                    | 00779     | C=1877846  | -             |                          |  |  |  |
| CUSTOMER DRAWING                                                                      |  |                                                            |  | SCALE                                                                                                 | SHEET     |            | REV           |                          |  |  |  |
|                                                                                       |  |                                                            |  | 4:1                                                                                                   | 2 OF 3    |            | B3            |                          |  |  |  |

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1

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LOC

DIST

AD

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REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
|   | -   | SEE SHEET 1 | -    | -   | -    |
|   |     |             |      |     |      |
|   |     |             |      |     |      |
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|                         |                   |                        |        |             |
|-------------------------|-------------------|------------------------|--------|-------------|
| 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  
-  
PRODUCT SPEC  
108-2249  
APPLICATION SPEC  
114-13184  
WEIGHT  
-  
CUSTOMER DRAWING

DWN  
09MAR2006  
CHK  
09MAR2006  
APVD  
-  
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  
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TE Connectivity

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