

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

D

C

B

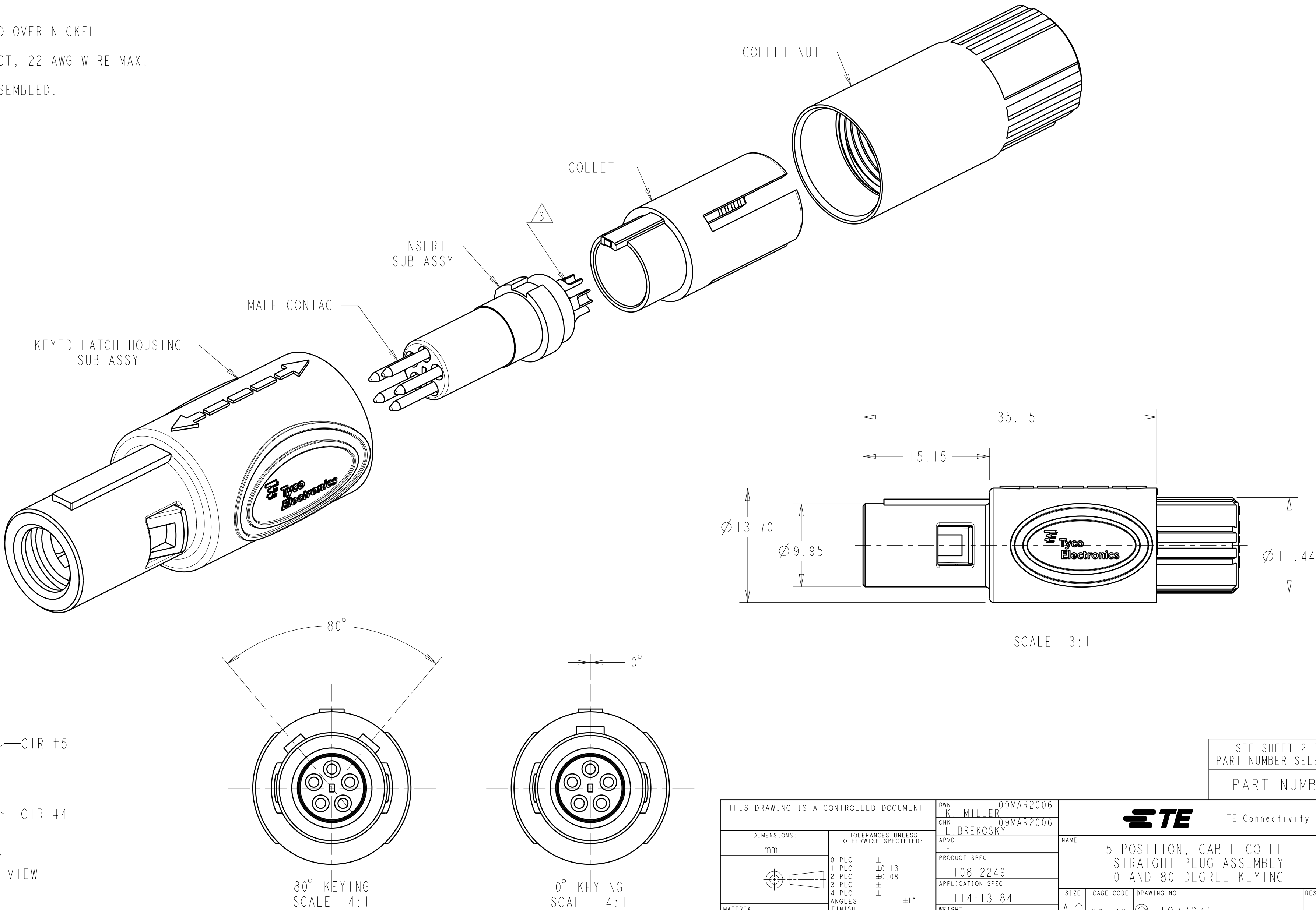
A

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.



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<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 ±                                            |                             | APPLICATION SPEC        |                    |
| FINISH                                 |  | ±1°                                                 |                             | 114-13184               |                    |
| MATERIAL                               |  | WEIGHT                                              |                             | -                       |                    |
| 1                                      |  | 2                                                   |                             | CUSTOMER DRAWING        |                    |
|                                        |  |                                                     |                             | SIZE<br>A2              | CAGE CODE<br>00779 |
|                                        |  |                                                     |                             | DRAWING NO<br>C-1877845 | RESTRICTED TO<br>- |
|                                        |  |                                                     |                             | SCALE<br>4:1            | SHEET<br>1 OF 3    |
|                                        |  |                                                     |                             | REV<br>B3               |                    |

4

3

2

1

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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

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 09MAR2006

CHK L. BREKOSKY 09MAR2006

APVD -

PRODUCT SPEC 108-2249

APPLICATION SPEC 114-13184

WEIGHT -

CUSTOMER DRAWING

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

TE Connectivity

1471-9 (3/11)

4

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2

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|   | -   | 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 |                   |                        |        |             |

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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

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-

SCALE

4:1

SHEET

3

OF

3

REV

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