

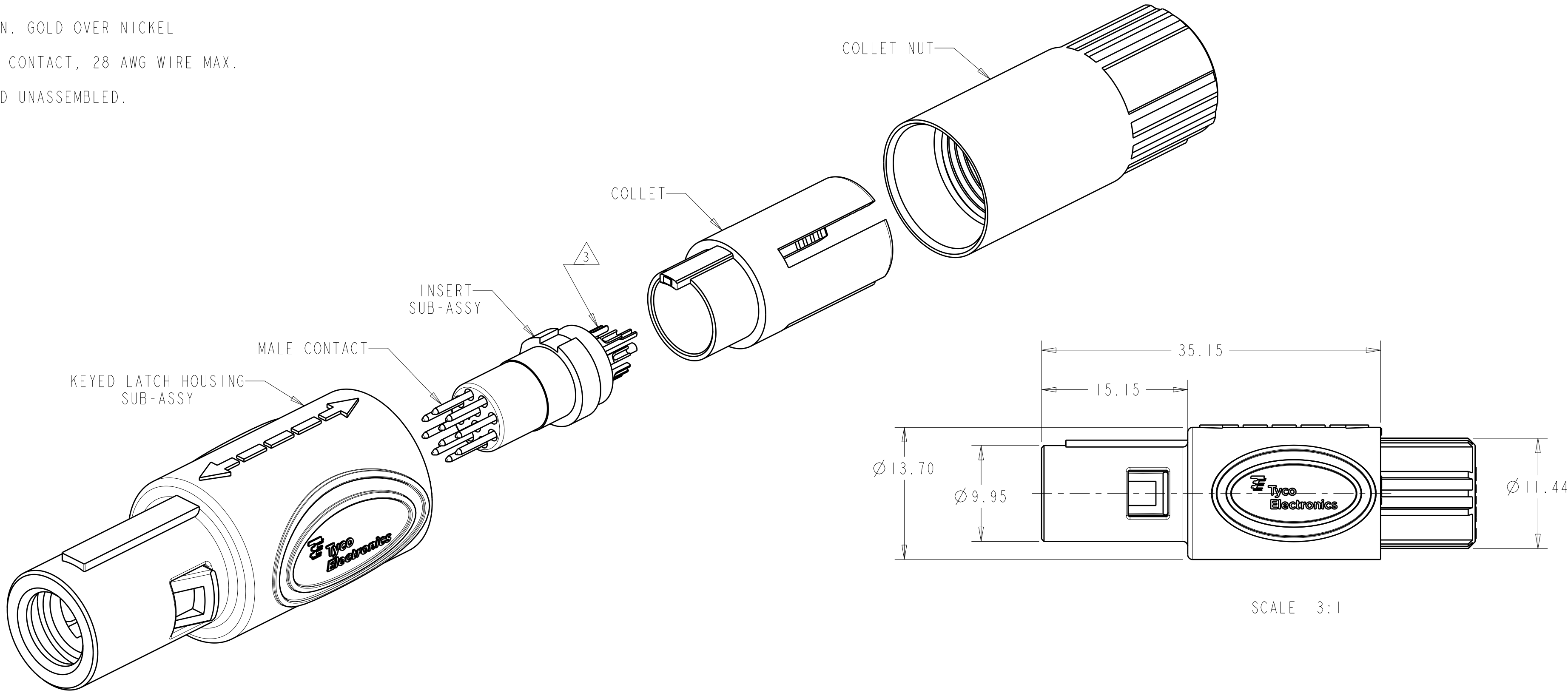
| LOC | DIST | REVISIONS |     |                           |           |     |      |
|-----|------|-----------|-----|---------------------------|-----------|-----|------|
| AD  | 00   | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|     |      |           | B3  | REVISED PER 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

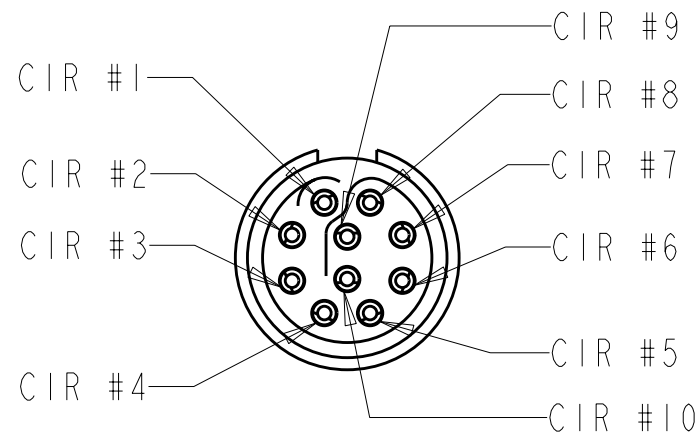
2 FINISH:  
CONTACT, 0.75µm MIN. GOLD OVER NICKEL

3 SOLDER TERMINATION CONTACT, 28 AWG WIRE MAX.

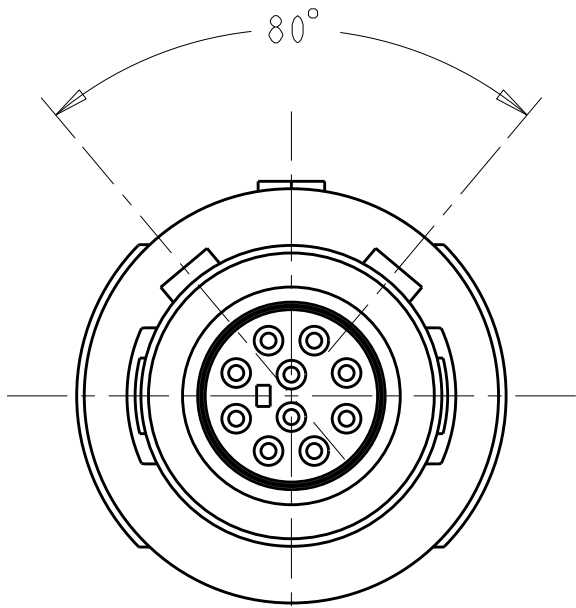
4. PRODUCT IS SUPPLIED UNASSEMBLED.



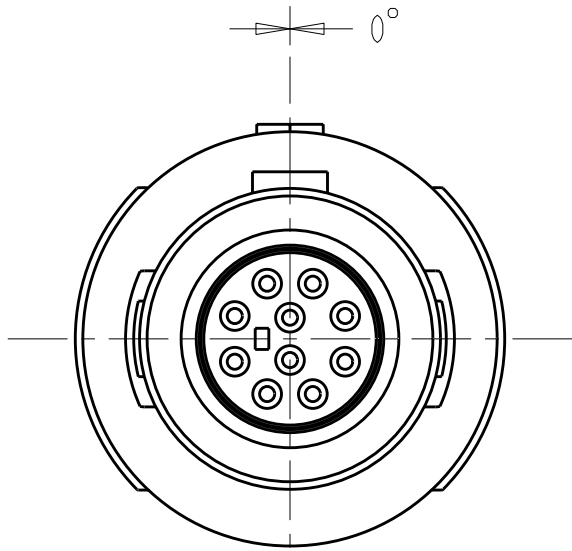
SCALE 3:1



INSERT SUB-ASSY  
CIRCUIT DESIGNATION VIEW



80° KEYING  
SCALE 4:1



0° KEYING  
SCALE 4:1

SEE SHEET 2 FOR  
PART NUMBER SELECTION

PART NO.

|                                        |  |                                                                                                                                 |  |                                                                                                                      |  |                    |  |                         |  |                    |  |
|----------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|--------------------|--|-------------------------|--|--------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>K. MILLER<br>CHK<br>L. BREKOSKY<br>APVD<br>-<br>PRODUCT SPEC<br>108-2249<br>APPLICATION SPEC<br>114-13184<br>WEIGHT<br>- |  | 09MAR2006<br>09MAR2006<br>-<br>NAME<br>10 POSITION, CABLE COLLET<br>STRAIGHT PLUG ASSEMBLY<br>0 AND 80 DEGREE KEYING |  | TE Connectivity    |  |                         |  |                    |  |
| DIMENSIONS:<br>mm                      |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                                                                       |  | SIZE<br>A2                                                                                                           |  | CAGE CODE<br>00779 |  | DRAWING NO<br>C-1877848 |  | RESTRICTED TO<br>- |  |
|                                        |  | 0 PLC ±<br>1 PLC ±0.13<br>2 PLC ±0.08<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±1°<br>FINISH                                             |  |                                                                                                                      |  |                    |  |                         |  |                    |  |
| MATERIAL<br>                           |  |                                                                                                                                 |  |                                                                                                                      |  |                    |  |                         |  |                    |  |
|                                        |  |                                                                                                                                 |  |                                                                                                                      |  |                    |  |                         |  |                    |  |
| CUSTOMER DRAWING                       |  |                                                                                                                                 |  |                                                                                                                      |  | SCALE<br>4:1       |  | SHEET<br>1              |  | OF<br>3            |  |
|                                        |  |                                                                                                                                 |  |                                                                                                                      |  |                    |  |                         |  | REV<br>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°

7-1877848-2

Ø 4.0-Ø 5.2

BLUE

GRAY

80°

7-1877848-1

Ø 5.3-Ø 6.5

BLUE

GRAY

80°

7-1877848-0

Ø 2.7-Ø 3.9

BLUE

GRAY

0°

6-1877848-9

Ø 4.0-Ø 5.2

BLUE

GRAY

0°

6-1877848-8

Ø 5.3-Ø 6.5

BLUE

GRAY

0°

6-1877848-7

Ø 2.7-Ø 3.9

BLUE

BLACK

80°

6-1877848-6

Ø 4.0-Ø 5.2

BLUE

BLACK

80°

6-1877848-5

Ø 5.3-Ø 6.5

BLUE

BLACK

80°

6-1877848-4

Ø 2.7-Ø 3.9

BLUE

BLACK

0°

6-1877848-3

Ø 4.0-Ø 5.2

BLUE

BLACK

0°

6-1877848-2

Ø 5.3-Ø 6.5

BLUE

BLACK

0°

6-1877848-1

Ø 2.7-Ø 3.9

GREEN

GRAY

80°

6-1877848-0

Ø 4.0-Ø 5.2

GREEN

GRAY

80°

5-1877848-9

Ø 5.3-Ø 6.5

GREEN

GRAY

80°

5-1877848-8

Ø 2.7-Ø 3.9

GREEN

GRAY

0°

5-1877848-7

Ø 4.0-Ø 5.2

GREEN

GRAY

0°

5-1877848-6

Ø 5.3-Ø 6.5

GREEN

GRAY

0°

5-1877848-5

Ø 2.7-Ø 3.9

GREEN

BLACK

80°

5-1877848-4

Ø 4.0-Ø 5.2

GREEN

BLACK

80°

5-1877848-3

Ø 5.3-Ø 6.5

GREEN

BLACK

80°

5-1877848-2

Ø 2.7-Ø 3.9

GREEN

BLACK

0°

5-1877848-1

Ø 4.0-Ø 5.2

GREEN

BLACK

0°

5-1877848-0

Ø 5.3-Ø 6.5

GREEN

BLACK

0°

4-1877848-9

Ø 2.7-Ø 3.9

YELLOW

GRAY

80°

4-1877848-8

Ø 4.0-Ø 5.2

YELLOW

GRAY

80°

4-1877848-7

Ø 5.3-Ø 6.5

YELLOW

GRAY

80°

4-1877848-6

Ø 2.7-Ø 3.9

YELLOW

GRAY

0°

4-1877848-5

Ø 4.0-Ø 5.2

YELLOW

GRAY

0°

4-1877848-4

Ø 5.3-Ø 6.5

YELLOW

GRAY

0°

4-1877848-3

Ø 2.7-Ø 3.9

YELLOW

BLACK

80°

4-1877848-2

Ø 4.0-Ø 5.2

YELLOW

BLACK

80°

4-1877848-1

Ø 5.3-Ø 6.5

YELLOW

BLACK

80°

4-1877848-0

Ø 2.7-Ø 3.9

YELLOW

BLACK

0°

3-1877848-9

Ø 4.0-Ø 5.2

YELLOW

BLACK

0°

3-1877848-8

Ø 5.3-Ø 6.5

YELLOW

BLACK

0°

3-1877848-7

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°

3-1877848-6

Ø 4.0-Ø 5.2

WHITE

GRAY

80°

3-1877848-5

Ø 5.3-Ø 6.5

WHITE

GRAY

80°

3-1877848-4

Ø 2.7-Ø 3.9

WHITE

GRAY

0°

3-1877848-3

Ø 4.0-Ø 5.2

WHITE

GRAY

0°

3-1877848-2

Ø 5.3-Ø 6.5

WHITE

GRAY

0°

3-1877848-1

Ø 2.7-Ø 3.9

WHITE

BLACK

80°

3-1877848-0

Ø 4.0-Ø 5.2

WHITE

BLACK

80°

2-1877848-9

Ø 5.3-Ø 6.5

WHITE

BLACK

80°

2-1877848-8

Ø 2.7-Ø 3.9

WHITE

BLACK

0°

2-1877848-7

Ø 4.0-Ø 5.2

WHITE

BLACK

0°

2-1877848-6

Ø 5.3-Ø 6.5

WHITE

BLACK

0°

2-1877848-5

Ø 2.7-Ø 3.9

RED

GRAY

80°

2-1877848-4

Ø 4.0-Ø 5.2

RED

GRAY

80°

2-1877848-3

Ø 5.3-Ø 6.5

RED

GRAY

80°

2-1877848-2

Ø 2.7-Ø 3.9

RED

GRAY

0°

2-1877848-1

Ø 4.0-Ø 5.2

RED

GRAY

0°

2-1877848-0

Ø 5.3-Ø 6.5

RED

GRAY

0°

1-1877848-9

Ø 2.7-Ø 3.9

RED

BLACK

80°

1-1877848-8

Ø 4.0-Ø 5.2

RED

BLACK

80°

1-1877848-7

Ø 5.3-Ø 6.5

RED

BLACK

80°

1-1877848-6

Ø 2.7-Ø 3.9

RED

BLACK

0°

1-1877848-5

Ø 4.0-Ø 5.2

RED

BLACK

0°

1-1877848-4

Ø 5.3-Ø 6.5

RED

BLACK

0°

1-1877848-3

Ø 2.7-Ø 3.9

GRAY

GRAY

80°

1-1877848-2

Ø 4.0-Ø 5.2

GRAY

GRAY

80°

1-1877848-1

Ø 5.3-Ø 6.5

GRAY

GRAY

80°

1-1877848-0

Ø 2.7-Ø 3.9

GRAY

GRAY

0°

1877848-9

Ø 4.0-Ø 5.2

GRAY

GRAY

0°

1877848-8

Ø 5.3-Ø 6.5

GRAY

GRAY

0°

1877848-7

Ø 2.7-Ø 3.9

BLACK

BLACK

80°

1877848-6

Ø 4.0-Ø 5.2

BLACK

BLACK

80°

1877848-5

Ø 5.3-Ø 6.5

BLACK

BLACK

80°

1877848-4

Ø 2.7-Ø 3.9

BLACK

BLACK

0°

1877848-3

Ø 4.0-Ø 5.2

BLACK

BLACK

0°

1877848-2

Ø 5.3-Ø 6.5

BLACK

BLACK

0°

1877848-1

CABLE RANGE

COLLET NUT  
COLOR

LATCH HOUSING  
COLOR

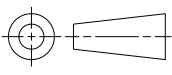
KEYING

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  
CHK  
L. BREKOSKY  
APVD  
-

09MAR2006  
09MAR2006

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

CUSTOMER DRAWING

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

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
1877848

RESTRICTED TO  
-

SCALE  
4:1

SHEET  
2

OF  
3

REV  
B3

1471-9 (3/11)

4

3

2

1

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DIST

AD00

REVISIONS

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

|                         |                     |                        |        |             |
|-------------------------|---------------------|------------------------|--------|-------------|
| Ø 2.7-Ø 3.9             | BLACK               | GRAY                   | 80°    | 8-1877848-4 |
| Ø 4.0-Ø 5.2             | BLACK               | GRAY                   | 80°    | 8-1877848-3 |
| Ø 5.3-Ø 6.5             | BLACK               | GRAY                   | 80°    | 8-1877848-2 |
| Ø 2.7-Ø 3.9             | BLACK               | GRAY                   | 0°     | 8-1877848-1 |
| Ø 4.0-Ø 5.2             | BLACK               | GRAY                   | 0°     | 8-1877848-0 |
| Ø 5.3-Ø 6.5             | BLACK               | GRAY                   | 0°     | 7-1877848-9 |
| Ø 2.7-Ø 3.9             | GRAY                | BLACK                  | 80°    | 7-1877848-8 |
| Ø 4.0-Ø 5.2             | GRAY                | BLACK                  | 80°    | 7-1877848-7 |
| Ø 5.3-Ø 6.5             | GRAY                | BLACK                  | 80°    | 7-1877848-6 |
| Ø 2.7-Ø 3.9             | GRAY                | BLACK                  | 0°     | 7-1877848-5 |
| Ø 4.0-Ø 5.2             | GRAY                | BLACK                  | 0°     | 7-1877848-4 |
| Ø 5.3-Ø 6.5             | GRAY                | BLACK                  | 0°     | 7-1877848-3 |
| 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

MATERIAL

-

DWN  
K. MILLER  
CHK  
L. BREKOSKY  
APVD  
-

09MAR2006  
09MAR2006  
-

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

CUSTOMER DRAWING

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

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
1877848

RESTRICTED TO  
-

SCALE  
4:1

SHEET  
3

OF  
3

REV  
B3

1471-9 (3/11)

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