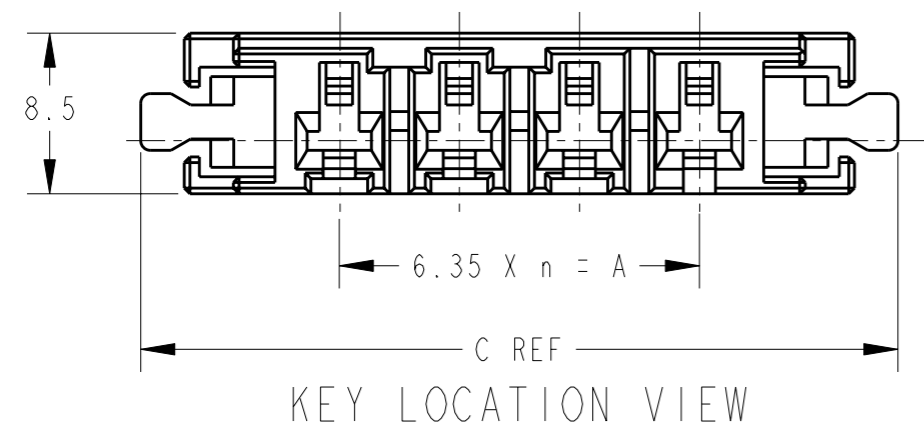
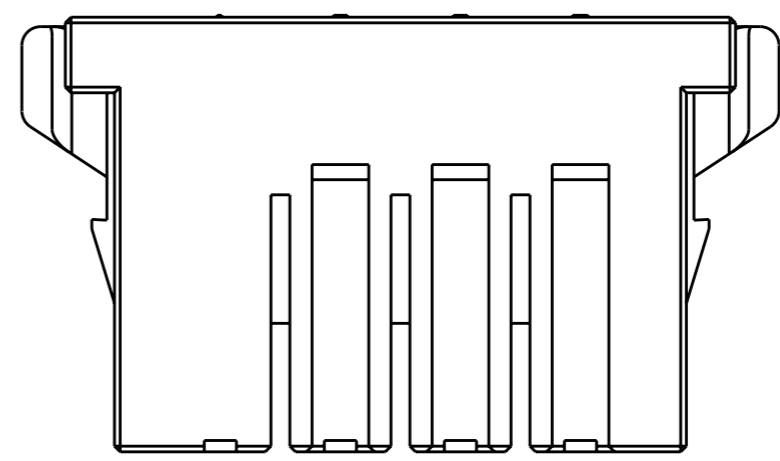
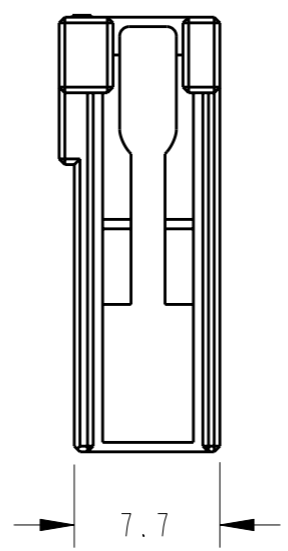
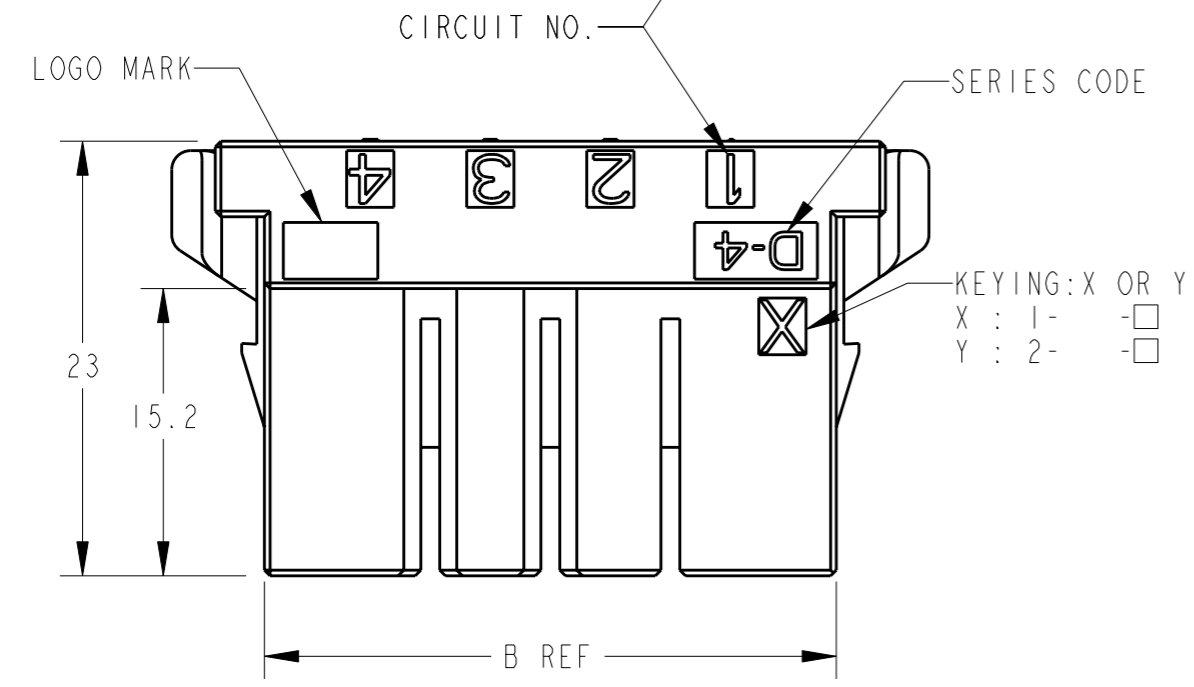
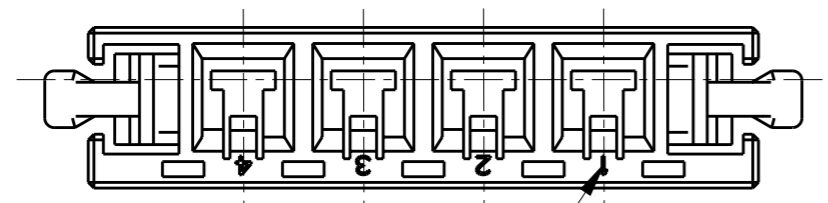


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| LOC | DIST | REVISIONS |     |                           |           |     |      |
|-----|------|-----------|-----|---------------------------|-----------|-----|------|
|     |      | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
| J   | -    |           | A   | REVISED PER ECR-10-017116 | 24AUG2010 | HMR | TM   |

勝特力電材超市-龍山店 886-3-5773766  
 勝特力電材超市-光復店 886-3-5729570  
 勝特力電子(上海) 86-21-34970699  
 勝特力電子(深圳) 86-755-83298787  
<http://www.100y.com.tw>



NOTES  
 1. MATERIAL: GLASS FILED THERMO PLASTIC POLYESTER(94V-0), COLOR: BLACK  
 注記  
 1. 材料: ガラス入り熱可塑性ポリエステル樹脂(94V-0)、色: 黒

| TE        |      |   |              |       |       |       |     |             |  |  |  |  |  |  |
|-----------|------|---|--------------|-------|-------|-------|-----|-------------|--|--|--|--|--|--|
| TE        | 4    | 3 |              | 19.05 | 30.25 | 40.05 | Y   | 2-1747276-4 |  |  |  |  |  |  |
| TE        | 4    | 3 |              | 19.05 | 30.25 | 40.05 | X   | 1-1747276-4 |  |  |  |  |  |  |
| TE        | 3    | 2 |              | 12.70 | 23.90 | 33.70 | Y   | 2-1747276-3 |  |  |  |  |  |  |
| TE        | 3    | 2 |              | 12.70 | 23.90 | 33.70 | X   | 1-1747276-3 |  |  |  |  |  |  |
| TYCO      | 2    | 1 |              | 6.35  | 17.55 | 27.35 | Y   | 2-1747276-2 |  |  |  |  |  |  |
| TYCO      | 2    | 1 |              | 6.35  | 17.55 | 27.35 | X   | 1-1747276-2 |  |  |  |  |  |  |
| LOGO MARK | POS. | n | KEY LOCATION | A     | B     | C     | KEY | PERT NUMBER |  |  |  |  |  |  |

|  |  |   |  |  |  |
|--|--|---|--|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION<br>IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION<br>SHOULD BE CONTACTED FOR THE LATEST REVISION. |  | DWN T. KUDO 26AUG2004<br>CHK D. MITSUGI 26AUG2004<br>APVD D. MITSUGI 26AUG2004  |  | Tyco Electronics AMP K.K.<br>Kawasaki, Japan       |  |
| DIMENSIONS:<br>単位: 耗<br>mm   |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>一般公差 ±0.3, ±3°<br>0-PLC ±<br>1-PLC ±0.2<br>2-PLC ±0.03<br>3-PLC ±0.005<br>4-PLC ±<br>ANGLES ± ± |  | NAME 名称<br>DYNAMIC D-4200 RECEPTACLE HOUSING       |  |
|  |  | PRODUCT SPEC<br>製品規格<br>108-78182   |  | SIZE A3<br>CAGE CODE<br>DRAWING NO 番号<br>C-1747276 |  |
| MATERIAL 材料 -  |  | FINISH 仕上 -   |  | WEIGHT -<br>RESTRICTED TO -                        |  |
| CUSTOMER DRAWING   |  |   |  | SCALE 尺度 SHEET OF REV A                            |  |

**DYNAMIC CONNECTOR D4000 Series CONTACT****1. SCOPE**

This specification is covered the crimping requirements for DYNAMIC D4000 Series contacts.

**2. APPLICABLE PRODUCT PART NUMBER**

Applicable product numbers are written below.

| Description | Type | Contact features | Part No.                          | Wire Size mm <sup>2</sup> (AWG) | Insulation Diameter (mm) |
|-------------|------|------------------|-----------------------------------|---------------------------------|--------------------------|
| TAB CONTACT | L    | Strip            | 1747416-2<br>1-1747416-2(SeqTYPE) | 2.08~3.62<br>(AWG#14~#12)       | φ2.9~4.2                 |
|             |      | Loose Piece      | 1747500-2<br>1-1747500-2(SeqTYPE) |                                 |                          |
|             | M    | Strip            | 1747419-2<br>1-1747419-2(SeqTYPE) | 1.23~2.18<br>(AWG#16~#14)       | φ2.0~3.75                |
|             |      | Loose Piece      | 1747501-2<br>1-1747501-2(SeqTYPE) |                                 |                          |
|             | S    | Strip            | 2040016-2<br>1-2040016-2(SeqTYPE) | 0.50~1.42<br>(AWG#20~#16)       | φ1.8~3.23                |
|             |      | Loose Piece      | 2040586-1<br>1-2040586-1(SeqTYPE) |                                 |                          |
| REC CONTACT | L    | Strip            | 1747415-2                         | 2.08~3.62<br>(AWG#14~#12)       | φ2.9~4.2                 |
|             |      | Loose Piece      | 1747498-2                         |                                 |                          |
|             | M    | Strip            | 1747418-2                         | 1.23~2.18<br>(AWG#16~#14)       | φ2.0~3.75                |
|             |      | Loose Piece      | 1747499-2                         |                                 |                          |
|             | S    | Strip            | 2040015-2                         | 0.50~1.42<br>(AWG#20~#16)       | φ1.8~3.23                |
|             |      | Loose Piece      | 2040587-1                         |                                 |                          |

### 3. NOMENCLATURE AND CRIMPING FEATURES

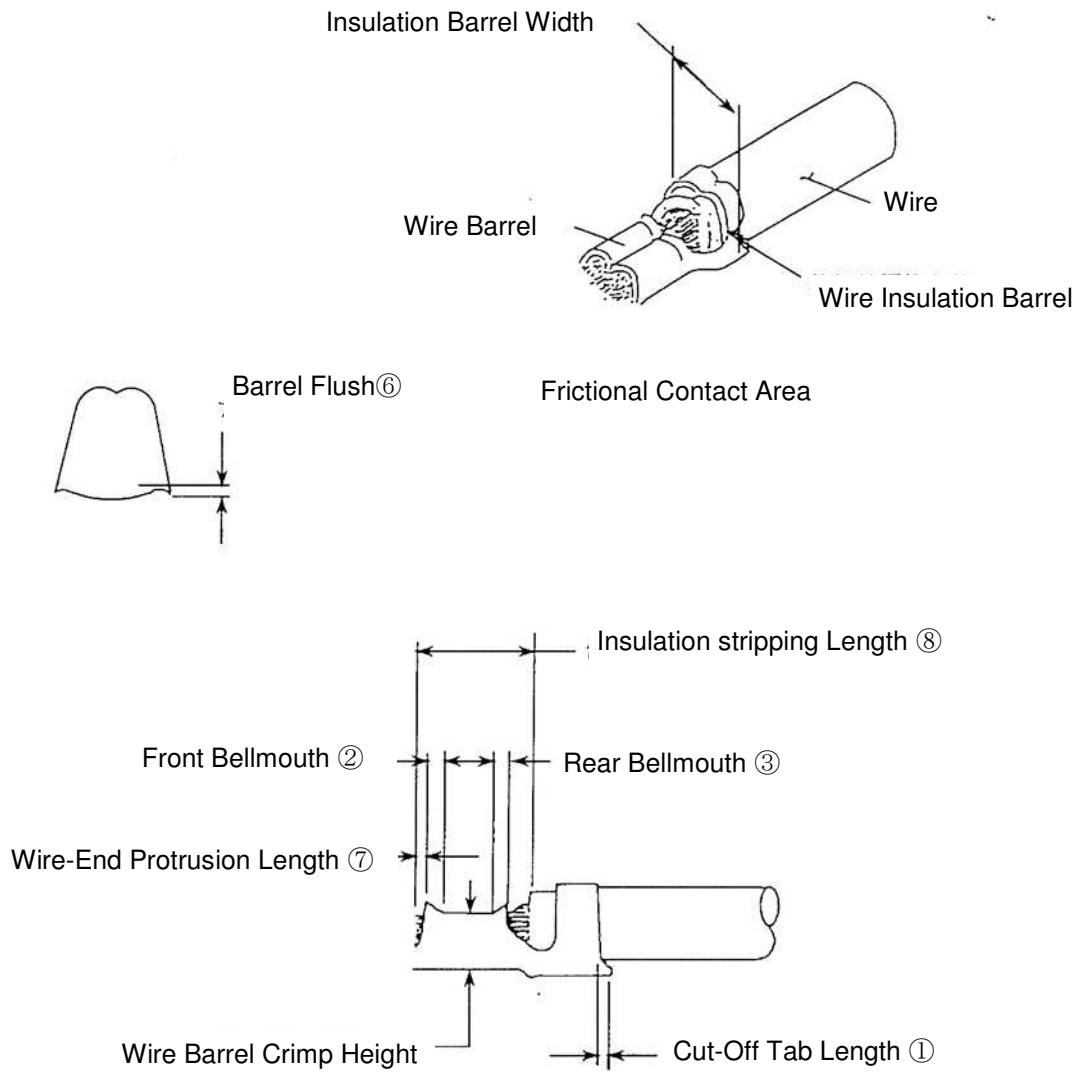


Fig.1

#### 4. CRIMPING CONDITION AND CRIMP DATA

##### 4.1 Crimping Condition

| No. | Item                               | Required condition | Remark   |
|-----|------------------------------------|--------------------|--|
| 1   | Allowable Deviation after Crimping | Bend-up            | 5°Max.<br>Fig.2  |
|     |                                    | Bend-down          | 5°Max.<br>Fig.3  |
|     |                                    | Twisting           | 5°Max.<br>Fig.4  |
|     |                                    | Rolling            | 5°Max.<br>Fig.5  |
| 2   | Cut-Off Tab Length                 | 0.5mm MAX          | Fig.1 ①  |
| 3   | Bell mouth                         | Front              | 0.6mm Max (L,M Type)<br>0.65mm Max (S Type)<br>Fig.1 ② |
|     |                                    | Rear               | 0.1~0.6mm (L,M Type)<br>0.9~0.6mm (S Type)<br>Fig.1 ③  |
| 4   | Barrel Flush Length                | 0.3mm Max.         | Fig.1 ⑥  |
| 5   | Wire-End Protrusion Length         | 0.1~0.9mm          | Fig.1 ⑦  |
| 6   | Insulation stripping Length        | 4.9~5.4mm          | Fig.1 ⑧  |

Bend-up

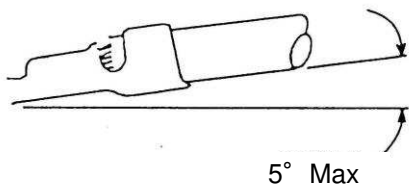


Fig. 2

Bend-down

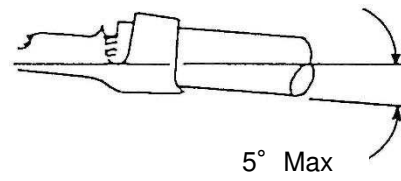


Fig. 3

Twisting

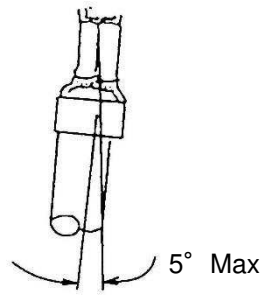


Fig. 4-1

Twisting

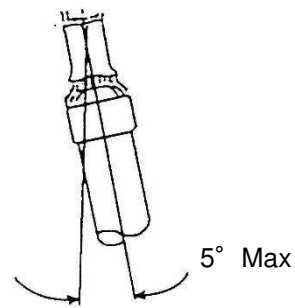


Fig. 4-2

Rolling

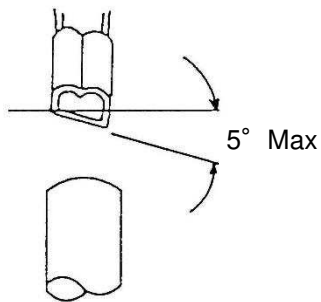


Fig. 5-1

Rolling

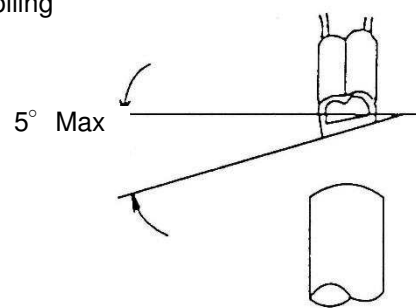


Fig. 5-2

## 5. CRIMPING DATA

### 5.1 Applicator

| Applicator Number.  | Wire Size mm <sup>2</sup> (AWG) | Wire Barrel Crimp |                   | Insulation Barrel Crimp Width (mm) | Finished insulation Diameter (mm) | Crimp Tensile Strength (N)min. |
|---|---------------------------------|-------------------|-------------------|------------------------------------|-----------------------------------|--------------------------------|
|   |                                 | Width (mm)        | Height ±0.05 (mm) |                                    |                                   |                                |
| 2266271-X<br>(1762119-2)<br>(1747415-2)<br>(1747416-2)<br>(1-1747416-2)<br>[L TYPE] | 2.08~2.18<br>(#14)              | 3.05<br>"F"       | 1.9               | 4.83<br>"F"                        | 2.9~4.2                           | 214                            |
|   | 3.09~3.62<br>(#12)              |                   | 2.17              |                                    |                                   | 245                            |
| 2266270-X<br>(1747418-2)<br>(1747419-2)<br>(1-1747419-2)<br>[M TYPE]                | 1.23~1.38<br>(#16)              | 2.79<br>"F"       | 1.54              | 4.06<br>"F"                        | 2.0~3.75                          | 186                            |
|   | 2.08~2.18<br>(#14)              |                   | 1.79              |                                    |                                   | 214                            |
| 2266289-X<br>(2040016--2)<br>(1-2040016-2)<br>(2040015-2)<br>[S TYPE]               | 0.50~0.60<br>(#20)              | 2.79<br>"F"       | 1.18              | 3.56<br>"F"                        | 1.8~3.23                          | 73                             |
|   | 0.81~0.96<br>(#18)              |                   | 1.28              |                                    |                                   | 117                            |
|   | 1.23~1.42<br>(#16)              |                   | 1.41              |                                    |                                   | 186                            |

## 5.2 Hand Tool

| Hand Tool Number.  | Wire Size mm <sup>2</sup> (AWG) | Wire Barrel Crimp |             |             | Insulation Barrel Crimp Width (mm) | Finished insulation Diameter (mm) | Crimp Tensile Strength (N)min. |
|--|---------------------------------|-------------------|-------------|-------------|------------------------------------|-----------------------------------|--------------------------------|
|  |                                 | Width (mm)        | Height (mm) | Disk Symbol |                                    |                                   |                                |
| 1762129-1<br>(1747498-2)<br>(1747500-2)<br>(1-1747500-2)<br>[L TYPE] | 2.08~2.18<br>(#14)              | 3.05<br>"F"       | 1.82~1.97   | A           | 4.83<br>"F"                        | 2.9~3.8                           | 214                            |
|  | 3.09~3.62<br>(#12)              |                   | 2.10~2.25   | B           |                                    | 3.8~4.2                           | 245                            |
| 1762130-1<br>(1747499-2)<br>(1747501-2)<br>(1-1747501-2)<br>[M TYPE] | 1.23~1.38<br>(#16)              | 2.79<br>"F"       | 1.44~1.60   | A           | 4.06<br>"F"                        | 2.0~3.2                           | 186                            |
|  | 2.08~2.18<br>(#14)              |                   | 1.68~1.84   | B           |                                    | 2.8~3.75                          | 214                            |
| 2047670-1<br>(2040586-1)<br>(1-2040586-1)<br>(2040587-1)<br>[S TYPE] | 0.50~0.96<br>(#18~#20)          | 2.79<br>"F"       | 1.19~1.29   | A           | 3.56<br>"F"                        | 1.8~2.7                           | AWG#20: 73<br>AWG#18: 117      |
|  | 1.23~1.42<br>(#16)              |                   | 1.35~1.45   | B           |                                    | 2.4~3.23                          | 186                            |

**[a]** It is recommended to daub lubricant to crimp part of hand tool before crimp.

PN of lubricant: 22014-1, 939691-1