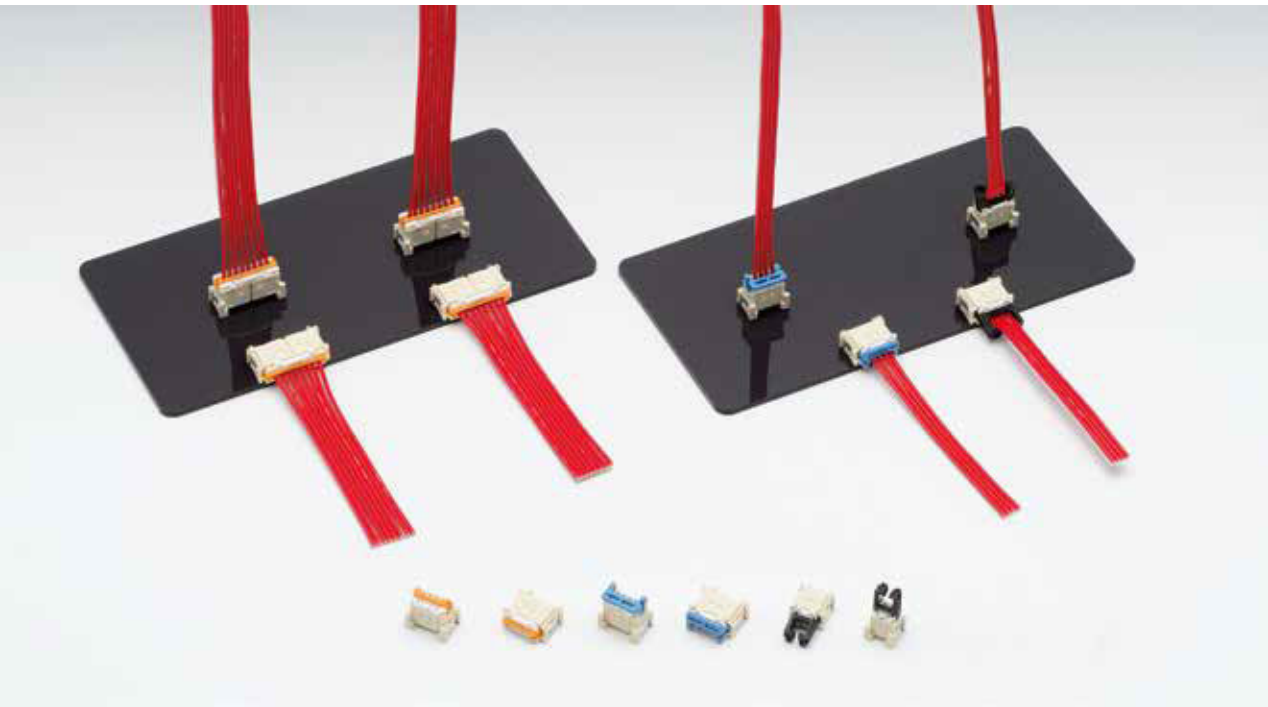


# K79 series

Straight

Right Angle



Compliant with  
RoHS and ELV Directives



Corresponds to the function of preventing incorrect mating  
by different color products



Embossed taping specifications

Product Specifications

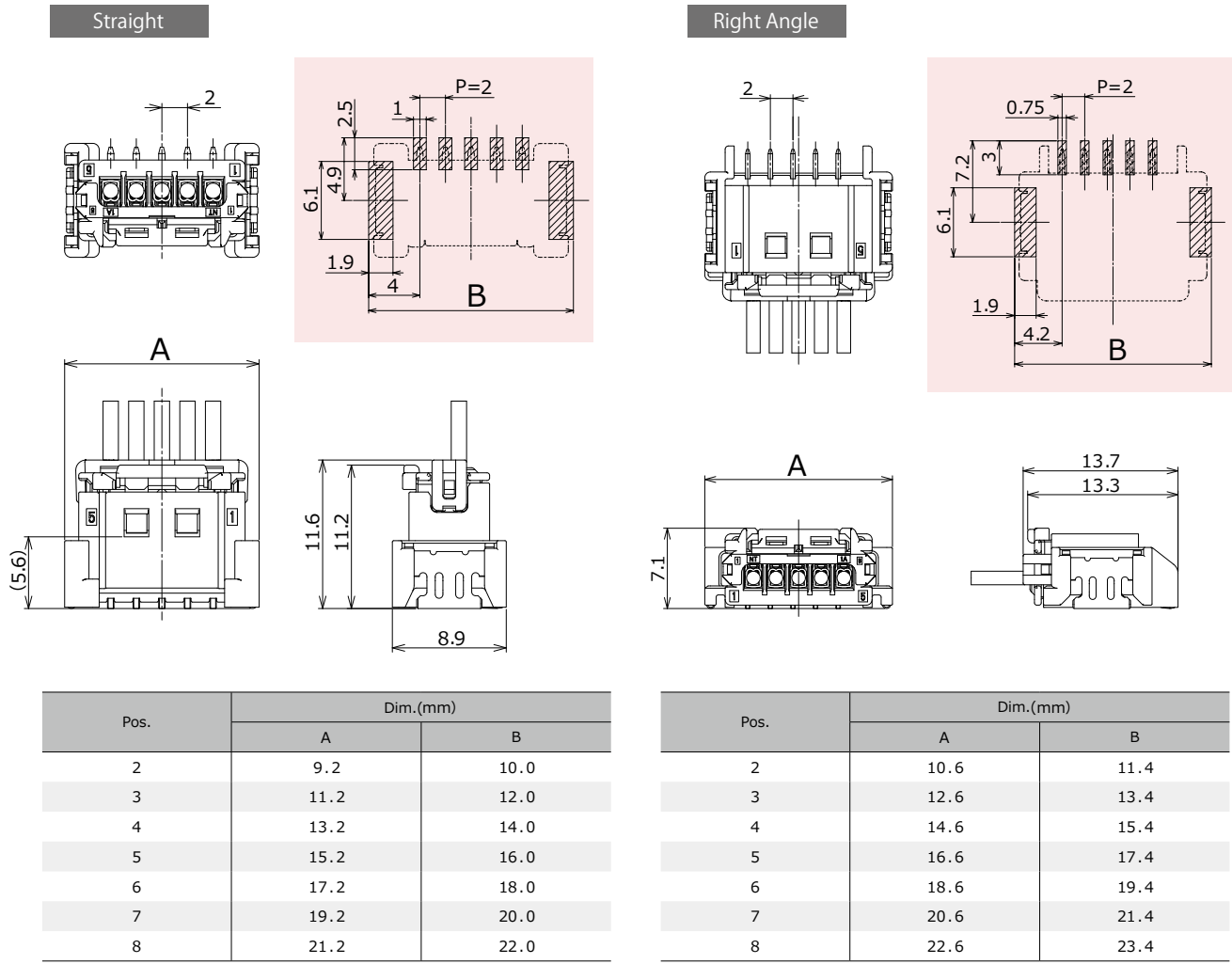
|                 |            |
|-----------------|------------|
| Positions       | 2 ~ 8      |
| Pitch           | 2.0mm      |
| Voltage Rating  | 150V       |
| Current Rating  | 3A Max     |
| Operating Temp. | -40 ~ 125℃ |

Feature

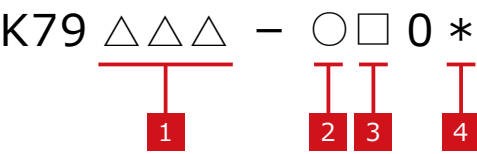
- Secure Structure of Locking Lever
- Prevention of miss mating by polarizing keying structure with Color and Configurations
- Prevention of half mating by Inertia Locking Mechanism
- Contact protection structure with box receptacle
- Connector protection by reinforcing metal fittings
- Ribbed structure to prevent mismating of different number of position
- Housing is shared by straight and right-angle types
- Optional parts include MSF retainers with machine-pressable flat surfaces to prevent semi-engagement and to correct the direction of wire pullout.

※Please note that the publication information may change it without a notice.  
※The dimensional drawings in this catalog are for reference only; please request a specification sheet before use.

Outline Dimension and Recommended PCB Layout



Part Number Construction



1 Product Description : △

| Mark | Description    | Type        |
|------|----------------|-------------|
| 10AT | Header Assy    | Straight    |
| 30AT | Header Assy    | Right Angle |
| 20   | Female Housing | common      |
| 90   | Retainer       | common      |

3 Color Code : □

| Mark | Color  | Applicable Products    |
|------|--------|------------------------|
| 1    | Black  | Header, Female Housing |
| 2    | White  | Header, Female Housing |
| 5    | Yellow | Retainer               |
| 9    | Gray   | Header, Female Housing |

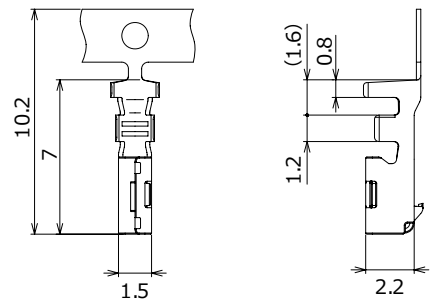
2 Material : ○

| Mark | Material |
|------|----------|
| 0    | LCP      |
| 9    | PBT      |

4 Positions : \*

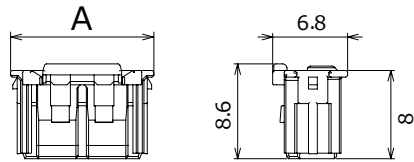
| Mark | Applicable Products             |
|------|---------------------------------|
| 2    | Header, Female Housing,Retainer |
| 3    | Header, Female Housing,Retainer |
| 4    | Header, Female Housing,Retainer |
| 5    | Header, Female Housing,Retainer |
| 6    | Header, Female Housing,Retainer |
| 7    | Header, Female Housing,Retainer |
| 8    | Header, Female Housing,Retainer |

Female Contact



| Patr No.  | Applied Wire Size |                 | Wire O.D.<br>(mm) | Material     | Finish  |
|-----------|-------------------|-----------------|-------------------|--------------|---------|
|           | AWG               | mm <sup>2</sup> |                   |              |         |
| 172761-M2 | 24 ~ 22           | 0.22 ~ 0.38     | φ 1.3 ~ 1.5       | Copper Alloy | Pre-Tin |

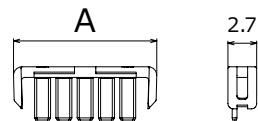
Female Housing



| Pos. | Part No. (Polarizing Key/Color) |             |             | Dim.(mm) | Material |
|------|---------------------------------|-------------|-------------|----------|----------|
|      | ①White                          | ②Black      | ③Gray       | A        |          |
| 2    | K 7920-9202                     | K 7920-9102 | K 7920-9902 | 7.0      | PBT      |
| 3    | K 7920-9203                     | K 7920-9103 | K 7920-9903 | 9.0      |          |
| 4    | K 7920-9204                     | K 7920-9104 | K 7920-9904 | 11.0     |          |
| 5    | K 7920-9205                     | K 7920-9105 | K 7920-9905 | 13.0     |          |
| 6    | K 7920-9206                     | K 7920-9106 | K 7920-9906 | 15.0     |          |
| 7    | K 7920-9207                     | K 7920-9107 | K 7920-9907 | 17.0     |          |
| 8    | K 7920-9208                     | K 7920-9108 | K 7920-9908 | 19.0     |          |

Retainer

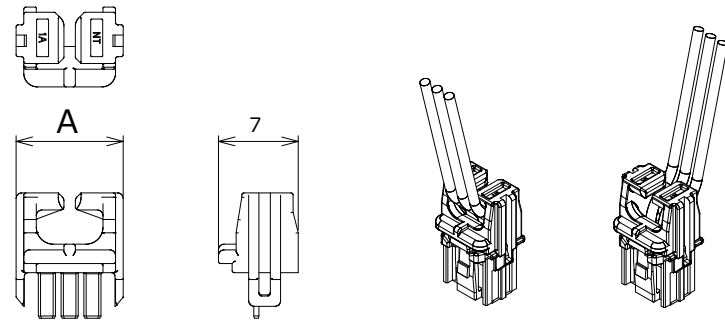
《Standard》



| Pos. | Part No.    | Dim. (mm) | Material      |
|------|-------------|-----------|---------------|
|      |             | A         |               |
| 2    | K 7990-9502 | 7.4       | PBT<br>Yellow |
| 3    | K 7990-9503 | 9.4       |               |
| 4    | K 7990-9504 | 11.4      |               |
| 5    | K 7990-9505 | 13.4      |               |
| 6    | K 7990-9506 | 15.4      |               |
| 7    | K 7990-9507 | 17.4      |               |
| 8    | K 7990-9508 | 19.4      |               |

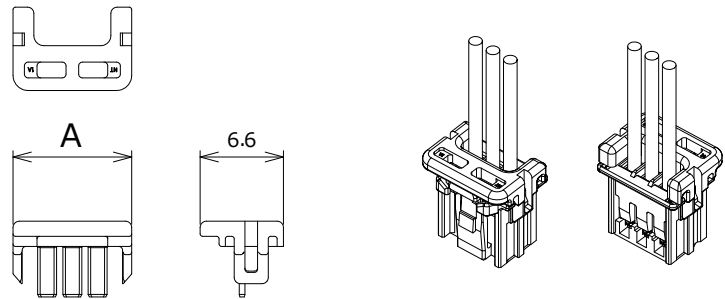
Retainer with MSF (Mating Support Function )

《Vertical cable lead with mechanical support function》

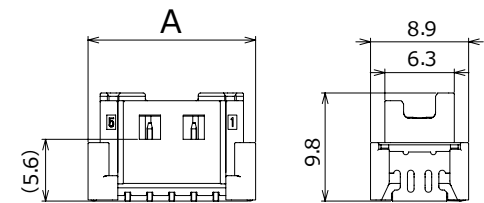


| Pos. | Part No.    | Dim.(mm) | Material     |
|------|-------------|----------|--------------|
|      |             | A        |              |
| 2    | K 7991-9102 | 7.4      | PBT<br>Black |
| 3    | K 7991-9103 | 9.4      |              |
| 4    | K 7991-9104 | 11.4     |              |
| 5    | K 7991-9105 | 13.4     |              |
| 6    | K 7991-9106 | 15.4     |              |
| 7    | K 7991-9107 | 17.4     |              |
| 8    | K 7991-9108 | 19.4     |              |

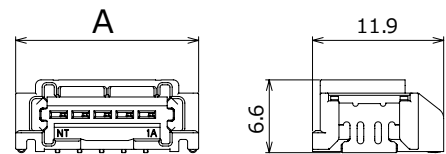
《Housing lock protection》



| Pos. | Part No.    | Dim. (mm) | Material    |
|------|-------------|-----------|-------------|
|      |             | A         |             |
| 2    | K 7999-9702 | 7.4       | PBT<br>Blue |
| 3    | K 7999-9703 | 9.4       |             |
| 4    | K 7999-9704 | 11.4      |             |
| 5    | K 7999-9705 | 13.4      |             |
| 6    | K 7999-9706 | 15.4      |             |
| 7    | K 7999-9707 | 17.4      |             |
| 8    | K 7999-9708 | 19.4      |             |

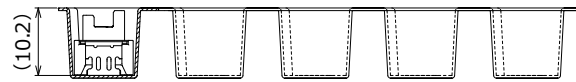
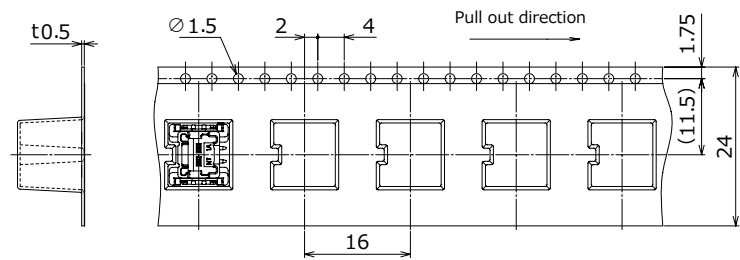


| Pos. | Part No. (Polarizing Key/Color) |              |              | Dim.(mm) | Material                                 |
|------|---------------------------------|--------------|--------------|----------|------------------------------------------|
|      | ①White                          | ②Black       | ③Gray        | A        |                                          |
| 2    | K7910AT-0202                    | K7910AT-0102 | K7910AT-0902 | 9.2      | [Wafer]<br>LCP<br><br>[Tab・Peg]<br>Brass |
| 3    | K7910AT-0203                    | K7910AT-0103 | K7910AT-0903 | 11.2     |                                          |
| 4    | K7910AT-0204                    | K7910AT-0104 | K7910AT-0904 | 13.2     |                                          |
| 5    | K7910AT-0205                    | K7910AT-0105 | K7910AT-0905 | 15.2     |                                          |
| 6    | K7910AT-0206                    | K7910AT-0106 | K7910AT-0906 | 17.2     |                                          |
| 7    | K7910AT-0207                    | K7910AT-0107 | K7910AT-0907 | 19.2     |                                          |
| 8    | K7910AT-0208                    | K7910AT-0108 | K7910AT-0908 | 21.2     |                                          |

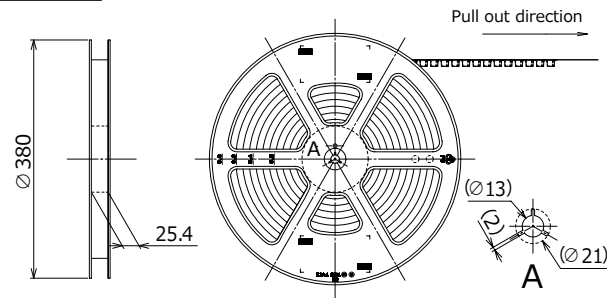


| Pos. | Part No. (Polarizing Key/Color) |              |              | Dim.(mm) | Material                                 |
|------|---------------------------------|--------------|--------------|----------|------------------------------------------|
|      | ①White                          | ②Black       | ③Gray        | A        |                                          |
| 2    | K7930AT-0202                    | K7930AT-0102 | K7930AT-0902 | 10.6     | [Wafer]<br>LCP<br><br>[Tab・Peg]<br>Brass |
| 3    | K7930AT-0203                    | K7930AT-0103 | K7930AT-0903 | 12.6     |                                          |
| 4    | K7930AT-0204                    | K7930AT-0104 | K7930AT-0904 | 14.6     |                                          |
| 5    | K7930AT-0205                    | K7930AT-0105 | K7930AT-0905 | 16.6     |                                          |
| 6    | K7930AT-0206                    | K7930AT-0106 | K7930AT-0906 | 18.6     |                                          |
| 7    | K7930AT-0207                    | K7930AT-0107 | K7930AT-0907 | 20.6     |                                          |
| 8    | K7930AT-0208                    | K7930AT-0108 | K7930AT-0908 | 22.6     |                                          |

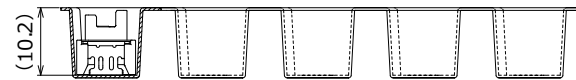
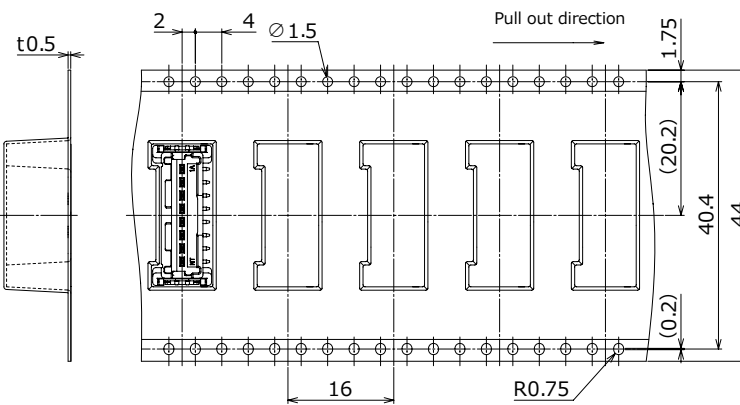
《2P~5P》



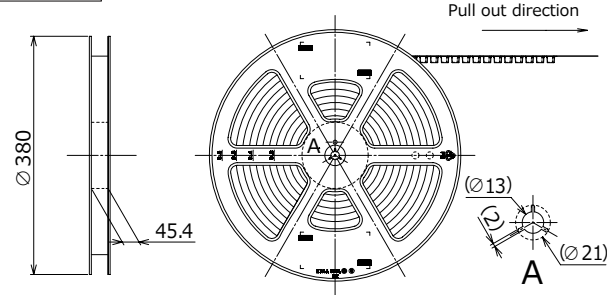
Tape and reel specification

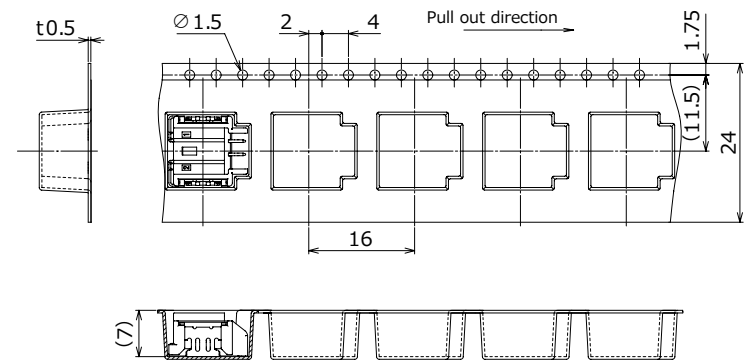


《6P~8P》

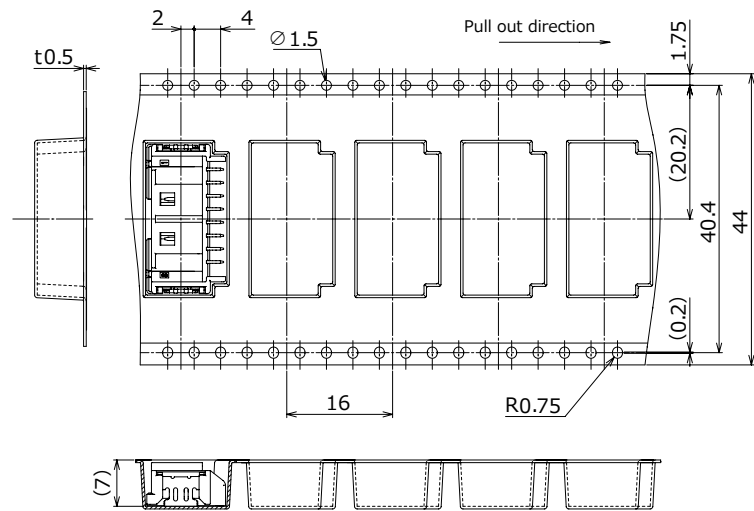
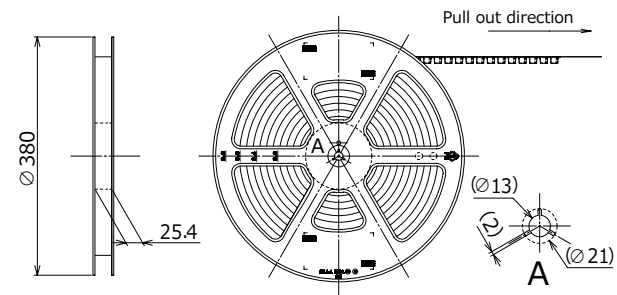


Tape and reel specification





Tape and reel specification



Tape and reel specification

