



# PRODUCT SPECIFICATION

## COSMETIC SPECIFICATION- PARTS ON TAPE

### 1.0 SCOPE

This applies to tape-applied Molex-TBO connector products.

### 2.0 PURPOSE

To define acceptability criteria for cosmetic issues

### 3.0 REFERENCE MATERIAL NUMBERS

This applies to all tape-applied Molex-TBO connector products with linkage to this specification.

### 4.0 DEFINITIONS - NONE

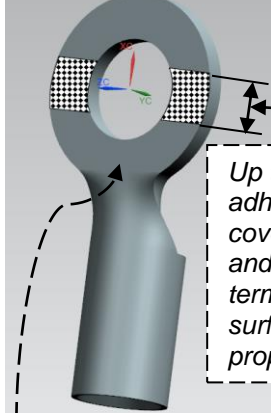
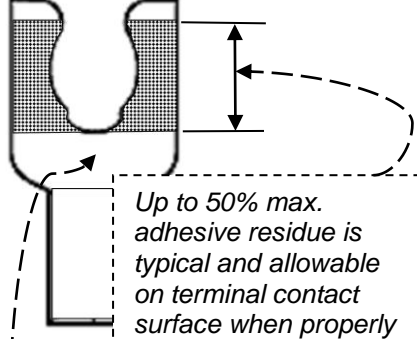
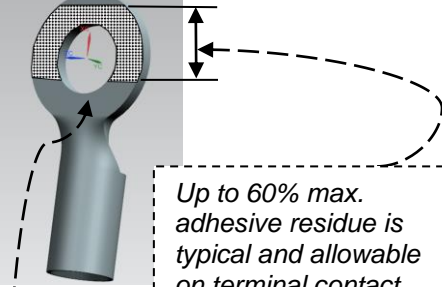
### 5.0 PROCEDURES

#### Adhesive residue:

Due to the shape of some parts, the use of adhesive tape is required to hold them in position on tape-applied products. Adhesive residue on non-conductive surfaces such as housings does not affect the fit, form, or functionality of the part and is allowable.

Adhesive residue on contact surfaces has been tested on a variety of parts and shown to not increase electrical resistance with any statistical significance, and resistance remains well within specification. Adhesive residue on contact surfaces as shown below is therefore allowable.

#### Example: Terminal Wire Ranges

12-10 AWG Terminal Example	16-14 AWG Terminal Example	22-18 AWG Terminal Example
 <p data-bbox="365 1249 609 1480"><i>Up to 25% max. adhesive residue coverage is typical and allowable on terminal contact surface when properly fastened.</i></p> <p data-bbox="170 1522 414 1585"><b>Contact Side of Tape Mounted Terminals</b></p>	 <p data-bbox="755 1281 1047 1480"><i>Up to 50% max. adhesive residue is typical and allowable on terminal contact surface when properly fastened.</i></p> <p data-bbox="641 1522 885 1585"><b>Contact Side of Tape Mounted Terminals</b></p>	 <p data-bbox="1242 1270 1518 1470"><i>Up to 60% max. adhesive residue is typical and allowable on terminal contact surface when properly fastened.</i></p> <p data-bbox="1079 1522 1323 1585"><b>Contact Side of Tape Mounted Terminals</b></p>

The amount % of residue may vary based on storage time, temperature, humidity, and speed with which parts are removed from tape. The residue may also be greater if the crimp location coincides with the adhesive tape.

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DOCUMENT NUMBER: <b>PS-19902-015</b>	CREATED / REVISED BY: <b>D MAJCHSZAK</b>	CHECKED BY: <b>E SMITH</b>	APPROVED BY: <b>E SMITH</b>



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**Important:** To avoid or reduce the % of adhesive residue on a terminal's contact surface - A shorter storage time, lower storage temperature and humidity will all avoid or reduce the amount of residue on the contact surface.

**Recommended Storage:** Storage should be indoors at 16-27°C (60-80°F) and a relative humidity of 40-60% with a shelf life of 24 months. If the material's age exceeds the recommended shelf life, the materials may be re-inspected and re-tested for conformance to this product specification.

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