## Inspection Flow Chart

#### **Inspection process**

#### **Precautions**

### Visual / Assembly



Visual/Assembly: 1.First confirm the specifications and color of wire/cable and check if the name sticker of wire/cable conform to the drawing/data.

2.Inspect if there is no defects of the wire/cable and whether the terminal is not deformed. \*The number of cores damaged by stripping must be complied with IPC specifications\*

3.Inspection if the specifications of assembly accessories are conform to the drawing/data, the drawing/data.

4.Check wheher the assembly accessories are installed in the positioning: (1)Into Pin positioning (2)Check if the connector is locked.(3)Check if the direction and content of the name/number stikers are correct? (4)Check if the connector is narrowed.(5)Check if the elbow is in the specified direction.(6)Check if the joint nuts are attached according to the spcifications.(7)Check if the insulating sleeve is pushed to the position.(8)Check if the position of terminal crimping is correct? (9)Check if it is Solder Overflow.(10)Check if the position of heat shrinking is melted to the sheath. (11)Check if the wire/cable clip is indeed clamped to the outer sheath.(12)Check if the identification marks are made according to customer requirements.(13)Check if the accessories are attached according to the

# Electrical Inspection



- 1. Check if the conduction point is correct.
- 2. Check if the on-resistance is within  $1\Omega$ .
- 3. Check if the insulation resistance is more than  $5M\Omega$ .
- 4. Check if the test of high voltage is within 5mA.
- 5. Check if it meets the different requirements of customers.

## Dimensional Inspection



1.Confirm if the full length is conformed to the drawing/data standard.2.Confirm if the full length of Protective tube or nylon mesh is conformed to the drawing/data standard.

3.Confirm if the length of Cable stripping is conformed to the drawing/data. 4.Confirm if the length of Schink sleeve is conformed to the drawing/data.

5. Confirm if the length of number sleeve is conformed to the drawing/data.

6.Besides the especially requirments of customer, the others Dimensionals are accepted according to the Product Tolerance Table of KAI TAI.

**END**