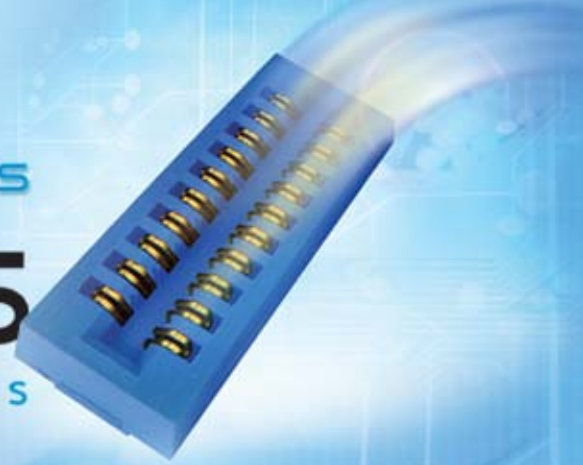




SULLINS MICROPLASTICS

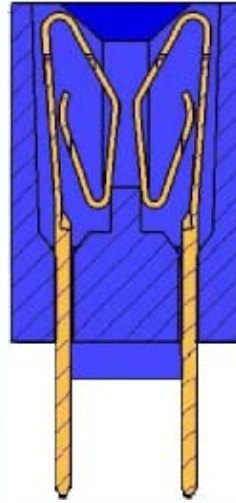
**SULLINS**

CONNECTOR SOLUTIONS



Comparison of Loop Bellows, Hairpin and Cantilever style contacts for use in high profile card edge connectors

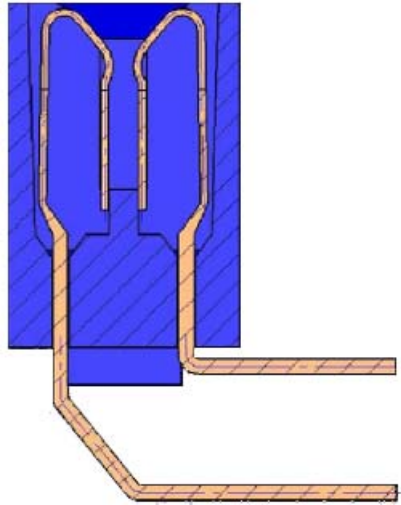
# Loop Bellows



1. **Secondary Spring support on back of pin for added normal force**
2. **High insertion – withdraw counts**
3. **Large number of plating options**
4. **Large wiping area**
5. **Produced from wire, giving optimal grain direction of base material**
6. **Low initial contact resistance**
7. **Available in high temperature materials**



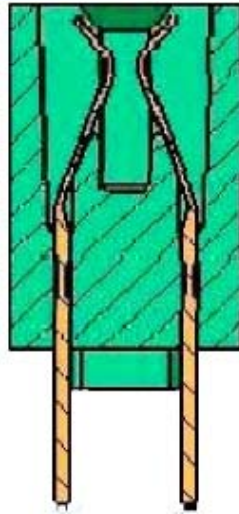
# Hairpin



1. **Lower insertion force than Loop Bellows**
2. **Gold does not wear as fast**
3. **Large number of plating options**
4. **Consistent contact resistance over time**



# Cantilever



1. **Consistent insertion - withdraw**
2. **High insertion – withdraw counts**
3. **Large number of plating options**
4. **Large wiping area**
5. **Produced from wire, giving optimal grain direction of base material**
6. **Available in high temperature materials**

