

# SINGLE 2-PIECE CONTACTS

## 201-01-149

**1. SPECIFICATION DISTRIBUTION**

No restrictions for issue

**2. SCOPE**

This specification contains the application notes for the 70-9159-001-4xx-006 series contacts.

**3. PRODUCTS**

- 70-9159-001-401-006 – plug contact
- 70-9159-001-402-006 – socket contact
- 70-9159-001-411-006 – plug contact – locking

Note: The colours used in this document are for illustration purposes only.

**4. 70-9159-001-401-006 PLUG CONTACT**

**70-9159-001-402-006 SOCKET CONTACT**



**70-9159-001-411-006 PLUG CONTACT – LOCKING**

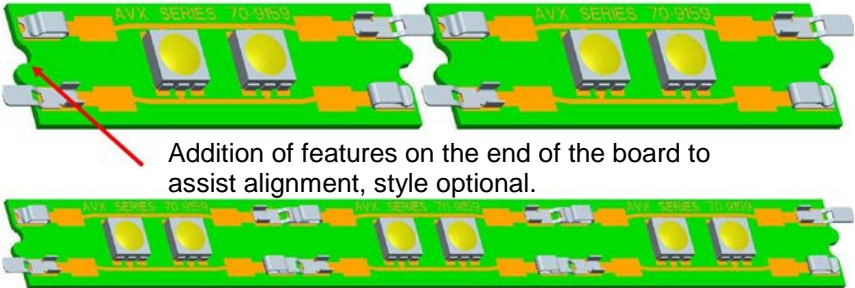
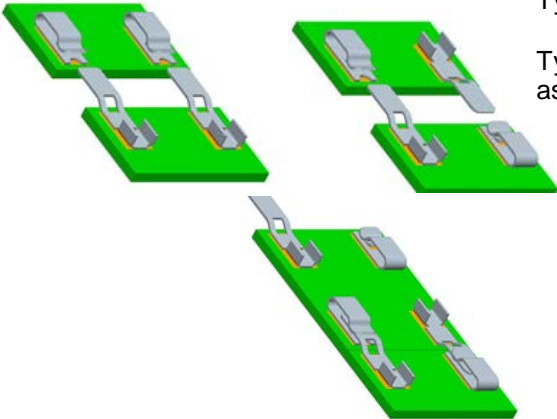


**5. TYPICAL APPLICATIONS**

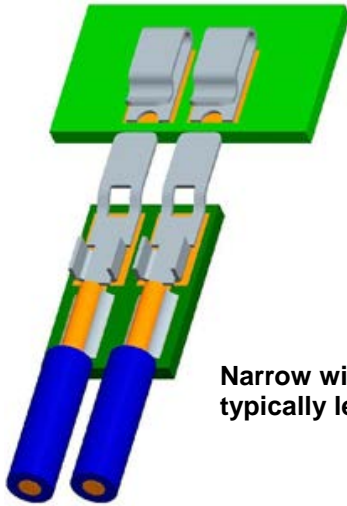
**5.1. BOARD TO BOARD ASSEMBLY**

Typical board to board assembly using “plug” end and “socket” end.

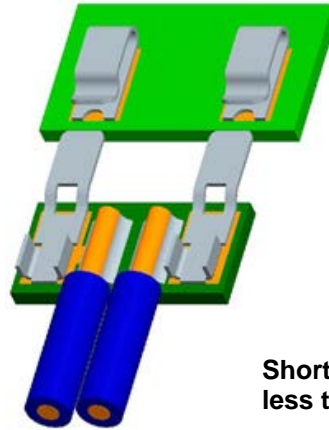
Typical assembly using pug and socket contacts to allow boards to be assembled either way round in a chain.



## 5.2. WIRE TO BOARD ASSEMBLY

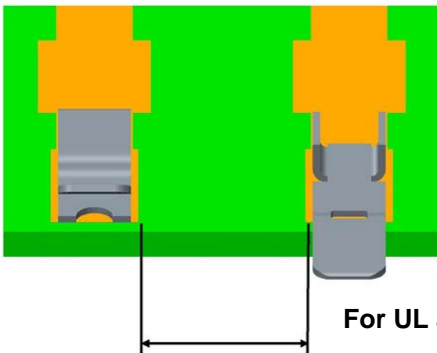


Narrow wired plug assembly, typically less than 6mm long.



Short wired plug, typically less than 5mm long.

## 5.3. UL REQUIREMENTS FOR PAD SPACING

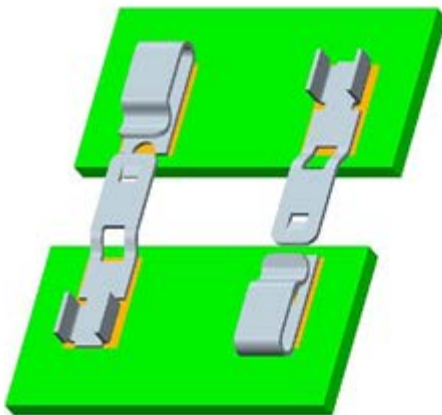


UL approval based on 3.2mm gap between pads, contact centre spacing 5.6mm.

For non UL applications the gap may be reduced at the customers discretion depending on the voltage applied.

For UL applications 3.2mm minimum

## 5.4. LOCKING CONTACT ASSEMBLY



Locking plug contact has a barb to assist with PCB board to board retention. Interchangeable with standard contact, using the same mounting pad.

For additional information refer to drawing 70-9159-001-4XX-006S

