Designers for ruggedized connectors to meet harsh environments continue to look for new products which will reduce size and cost without jeopardizing performance. The new Ultra-Low Profile (ULP) compression contact from KYOCERA AVX surface mounts to a PCB and provides a reliable compression connection to the mating board, even under extreme shock and vibration applications. With over 20 years of 1-Piece compression contact experience, this innovative contact offers full connector performance functionality at the individual contact level. Thus, allowing single contacts to be placed in any location or position on a PCB.

The high force beryllium copper contact is gold plated to maximize reliability and signal integrity. The current offering has two contacts with nominal heights of 1.0mm and 1.5mm. Add in the “Z” axis tolerance range and the compressed height covers 0.75mm up to 1.75mm. The contacts are supplied in tape and reel for easy SMT placement.

### HOW TO ORDER
- Current Rating: 3 Amps
- Voltage Rating: UL 300V Based on placement distance
- Operating Temperature: -40ºC to +125ºC
- Contact Material: Beryllium Copper
- Contact Plating: Gold over Nickel
- Durability: 50, 500 and 1000 cycles
- Certification: UL File #E90723

<table>
<thead>
<tr>
<th>Code</th>
<th>Gold Thickness</th>
<th>Description</th>
<th>Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>004</td>
<td>0.1μm</td>
<td>Nickel under Plate, Gold on Nose Tin on Remainder</td>
<td>Standard</td>
</tr>
<tr>
<td>006</td>
<td>0.4μm</td>
<td>Nickel under Plate, Gold on Nose Tin on Remainder</td>
<td>Special Order</td>
</tr>
<tr>
<td>008</td>
<td>0.8μm</td>
<td>Nickel under Plate, Gold on Nose Tin on Remainder</td>
<td>Special Order</td>
</tr>
</tbody>
</table>

Certification: UL File #E90723
Low Profile Single Contact-70-9155
Height 1.00mm

70-9155-001-610-006
NOMINAL WORKING HEIGHT 1.00MM

NOTES:
1. 9155 LOW PROFILE CONTACT, WORKING HEIGHT 0.75MM TO 1.25MM.
2. FOR FULL DETAILS REFER TO PRODUCT SPECIFICATION 201-01-153 AND APPLICATIONS NOTES 201-01-154.
3. MATERIAL: COPPER ALLOY 0.2MM THICK.
4. PLATING: NICKEL ALL OVER WITH GOLD ON CONTACT NOSE AND TIN ON THE REMAINDER. PARTS TO BE PACKED IN TAPE AND REEL. QTY PER REEL 3000.
5. OUTLINE OF CONNECTOR, ORIENTATION END “A”.
6. AREA TO KEPT FREE OF SOLDER RESIST, FURTHER INFORMATION IN APPLICATION NOTES.
7. AREA BETWEEN PADS TO BE KEPT CLEAR OF TRACKS AND COMPONENTS.
8. SMT PADS PLATED TIN.
9. MATING PAD PLATED GOLD OVER NICKEL.
Low Profile Single Contact-70-9155

Height 1.50mm

70-9155-001-610-006
NOMINAL WORKING HEIGHT 1.50MM

NOTES:
1. 9155 LOW PROFILE CONTACT, WORKING HEIGHT 0.75MM TO 1.25MM.
2. FOR FULL DETAILS REFER TO PRODUCT SPECIFICATION 201-01-153 AND APPLICATIONS NOTES 201-01-154.
3. MATERIAL: COPPER ALLOY 0.2MM THICK.
4. PLATING: NICKEL ALL OVER WITH GOLD ON CONTACT NOSE AND TIN ON THE REMAINDER. PARTS TO BE PACKED IN TAPE AND REEL. QTY PER REEL 3000.
5. OUTLINE OF CONNECTOR, ORIENTATION END “A”.
6. AREA TO KEPT FREE OF SOLDER RESIST, FURTHER INFORMATION IN APPLICATION NOTES.
7. AREA BETWEEN PADS TO BE KEPT CLEAR OF TRACKS AND COMPONENTS.
8. SMT PADS PLATED TIN.
9. MATING PAD PLATED GOLD OVER NICKEL.

SUGGESTED MATING PCB LAYOUT

SUGGESTED SMT PCB LAYOUT

PACKING DETAILS

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.