The newest product in AVX's Interconnect family of battery connectors saves 50% in volume over the initial 9155 series compression connectors as illustrated in the photograph. These connectors are rated at a full 3 amps per contact on 2.5mm centers. Sizes range from 2 positions through 5 positions and are end to end stackable.

**ELECTRICAL**
- Current Rating: 3 Amp / Contact
- Voltage Rating: 125 VAC

**ENVIRONMENTAL**
- Operating Temperature: 
  -40°C to +125°C

**MECHANICAL**
- Insulator Material: Glass-Filled Nylon 46; UL94 HB
- Contact Material: Beryllium Copper
- Plating: Gold over Nickel
- Durability: 5000 Cycles

**APPLICATIONS**
- Cellular Phones
- Handheld Devices
- Industrial Modules
- Medical Electronics

**FEATURES AND BENEFITS**
- 2.4mm insulator height
- 3 amps/contact
- Large SMT mounting area for positive mechanical attachment
- 5k mating cycles
- End-to-end stackable

**HOW TO ORDER**

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Series</th>
<th>No. of Ways</th>
<th>Reduced Size Battery Connector</th>
<th>Plating Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>9155</td>
<td>2 = 002</td>
<td>201 Reduced Size Battery Connector</td>
<td>Code Description</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 = 003</td>
<td></td>
<td>006 0.4μm Selective Gold, Standard</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 = 004</td>
<td></td>
<td>008 0.8μm Selective Gold, Special Order</td>
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<tr>
<td></td>
<td></td>
<td>5 = 005</td>
<td></td>
<td>Code</td>
</tr>
</tbody>
</table>

**Facts & Figures**

- 2.4mm insulator height
- 3 amps/contact
- Large SMT mounting area for positive mechanical attachment
- 5k mating cycles
- End-to-end stackable
**Reduced Battery 2.5mm Pitch**

**AVX INTERCONNECT**

**2 WAY REDUCED SIZE BATTERY CONNECTOR**

### PACKING DETAILS

<table>
<thead>
<tr>
<th>REEL QTY</th>
<th>LEADER</th>
<th>TRAILER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>500MM</td>
<td>500MM</td>
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</tbody>
</table>

### NOTES:

1. FOR FULL PRODUCT SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-093.
2. FOR MATING PAD DETAILS REFER TO PAGE 6.
3. GENERAL TOLERANCE ±0.20.
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 HB, COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.
3 WAY REDUCED SIZE BATTERY CONNECTOR

NOTES:
1. FOR FULL PRODUCT SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-093.
2. FOR MATING PAD DETAILS REFER TO PAGE 6.
3. GENERAL TOLERANCE ±0.20.
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 HB, COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL, PURE TIN ON TAILS.

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<tr>
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<td>500MM</td>
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</tbody>
</table>

PACKING ORIENTATION

CONNECTOR OUTLINE

PAD AREA MAY BE REMOVED AT CUSTOMER DISCRETION

SECTION X-X
SHOWING CONTACTS REFLECTED TO 2.5mm

AVAILABLE PICK AND PLACE AREA 5.3 LONG x 1.5 WIDE MAX

CONTACTS TAILS TO BE WOUND ON TO AVOID COPLANARITY RANGE

RECOMMENDED PCB LAYOUT

PACKING DETAILS

REEL QTY 2000
LEADER 500MM
TRAILER 500MM
Reduced Battery 2.5mm Pitch
9155-200

4 WAY REDUCED SIZE BATTERY CONNECTOR

NOTES:
1. FOR FULL PRODUCT SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-093.
2. FOR MATING PAD DETAILS REFER TO PAGE 6.
3. GENERAL TOLERANCE ±0.20.
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 HB, COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.

PACKING DETAILS

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<tbody>
<tr>
<td>REEL QTY</td>
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<tr>
<td>LEADER</td>
</tr>
<tr>
<td>TRAILER</td>
</tr>
</tbody>
</table>

PACKAGING DETAILS

SECTION X-X SHOWING CONTACTS DEFLECTED TO 2.5mm

CONTACT TAILS TO BE WITHIN 0.15 COPLANARITY RANGE

PAD AREA MAY BE REMOVED AT CUSTOMER DISCRETION

NOTES:
1. FOR FULL PRODUCT SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-093.
2. FOR MATING PAD DETAILS REFER TO PAGE 6.
3. GENERAL TOLERANCE ±0.20.
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 HB, COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.
Reduced Battery 2.5mm Pitch
9155-200

5 WAY REDUCED SIZE BATTERY CONNECTOR

NOTES:
1. FOR FULL PRODUCT SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-093.
2. FOR MATING PAD DETAILS REFER TO PAGE 6.
3. GENERAL TOLERANCE ±0.20.
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 HB, COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.

PACKING DETAILS

| REEL QTY | 2000  |
| LEADER  | 500MM |
| TRAILER | 500MM |
REDUCED SIZE BATTERY CONNECTOR – MATING PADS

2 WAY MATING PADS

3 WAY MATING PADS

4 WAY MATING PADS

5 WAY MATING PADS

NOTES:
1. SUGGESTED MATING PADS FOR REDUCED SIZE BATTERY CONNECTORS.
2. OUTLINE OF CONNECTOR.
3. PREFERED PLATING ON PADS GOLD OVER NICKEL.
4. REFERENCE DIMENSIONS.