The standard battery connector is specifically designed for mobile equipment. The connectors are available in 3, 4 and 5 contact positions all on a 2.50mm pitch. The insulator height provides a 3mm spacing, with various contact nose heights from 1.20mm to 2.60mm, to provide spacing options to the end user. All contacts are stamped and are rated to 3A, with Gold plating. Parts are supplied in tape and reel for automatic pick and place. Optional retaining brackets are available to provide greater strength when connected to the PCB. Whatever your requirements, the 9155 series Battery Connector can also be customized to suit your applications.

**APPLICATIONS**
- Mobile Phones
- PDA
- Medical
- PMR
- Industrial

**FEATURES AND BENEFITS**
- Suitable for 5000 mechanical cycles.
- Variety of contact heights offered to suit different mechanical designs.
- Connectors can be end to end stackable.
- RoHS Compliant available.

**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 V-O
- Contact Material: Beryllium Copper
- Plating: Gold over Nickel
- Durability: 5000 Cycles

**HOW TO ORDER**

**STANDARD**

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Series</th>
<th>No of Ways</th>
<th>Standard Battery Connector</th>
<th>Contact Height</th>
<th>Bracket</th>
<th>Plating Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>9155</td>
<td>3 = 003</td>
<td>00 = Standard Force</td>
<td>1 = 1.20 (0.047) / 1.65 (0.064)</td>
<td>01 = With Bracket</td>
<td>6 = 0.4μm Selective Gold, Standard</td>
</tr>
<tr>
<td>00</td>
<td>9155</td>
<td>4 = 004</td>
<td></td>
<td>2 = 1.80 (0.071) / 2.10 (0.083)</td>
<td></td>
<td>8 = 0.8μm Selective Gold, Special Order</td>
</tr>
<tr>
<td>00</td>
<td>9155</td>
<td>5 = 005</td>
<td></td>
<td>3 = 2.30 (0.091) / 2.60 (0.102)</td>
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<td></td>
</tr>
</tbody>
</table>

**REDUCED NOSE**

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3 WAY BATTERY CONNECTOR

NOTES:
1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-050.
2. GENERAL TOLERANCE ±0.20 UNLESS OTHERWISE STATED.
3. FOR MATING PAD DETAILS REFER TO PAGE 5.
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 V-O. COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.
7. BRACKET MATERIAL: PHOSPHOR BRONZE.
8. BRACKET PLATING: PURE TIN OVER NICKEL.

MATING CONDITIONS

PACKING DETAILS

<table>
<thead>
<tr>
<th>REEL QTY</th>
<th>LEADER</th>
<th>TRAILER</th>
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<td>500MM</td>
<td>500MM</td>
<td>5</td>
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</table>
Standard 2.5mm Pitch Battery
9155-000

4 WAY BATTERY CONNECTOR

NOTES:
1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-050.
2. GENERAL TOLERANCE ±0.20 UNLESS OTHERWISE STATED.
3. FOR MATING PAD DETAILS REFER TO PAGE 5.
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 V-0. COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.
7. BRACKET MATERIAL: PHOSPHOR BRONZE.
8. BRACKET PLATING: PURE TIN OVER NICKEL.

MATING CONDITIONS

PACKING DETAILS

REEL QTY 1000
LEADER 500MM
TRAILER 500MM
REEL / BOX 5
Standard 2.5mm Pitch Battery

5 WAY BATTERY CONNECTOR

NOTES:
1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-060.
2. GENERAL TOLERANCE ±0.20 UNLESS OTHERWISE STATED.
3. FOR MATING PAD DETAILS REFER TO PAGE 5.
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 V-O. COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.
7. BRACKET MATERIAL: PHOSPHOR BRONZE.
8. BRACKET PLATING: PURE TIN OVER NICKEL.

MATING CONDITIONS

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PCB BOARD LAYOUT
Standard 2.5mm Pitch Battery

9155-000

STANDARD BATTERY – MATING PADS

3 WAY MATING PADS

4 WAY MATING PADS

5 WAY MATING PADS

NOTES:
1. SUGGESTED MATING PADS FOR STANDARD BATTERY CONNECTORS.
2. OUTLINE OF CONNECTOR.
3. PREFERRED PLATING ON PADS GOLD OVER NICKEL.
4. PAD LENGTH MAY REQUIRE ADJUSTMENT OF MATCH THE CUSTOMERS ASSEMBLY.
5. REFERENCE DIMENSIONS.
3 WAY BATTERY CONNECTOR REDUCED NOSE

NOTES:
1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-050.
2. GENERAL TOLERANCE ±0.20 UNLESS OTHERWISE STATED.
3. FOR MATING PAD DETAILS REFER TO PAGE 9.
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 V-O. COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.
7. BRACKET MATERIAL: PHOSPHOR BRONZE.
8. BRACKET PLATING: PURE TIN OVER NICKEL.

MATING CONDITIONS

PACKING DETAILS

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</table>
4 WAY BATTERY CONNECTOR REDUCED NOSE

NOTES:
1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-050.
2. GENERAL TOLERANCE ±0.20 UNLESS OTHERWISE STATED.
3. FOR MATING PAD DETAILS REFER TO PAGE 9.
4. INSULATOR MATERIAL: 30% GLASS FILLED NYLON 46, UL94 V-O. COLOR BLACK.
5. CONTACT MATERIAL: BERYLLIUM COPPER.
6. CONTACT PLATING: SELECTIVE GOLD OVER NICKEL. PURE TIN ON TAILS.
7. BRACKET MATERIAL: PHOSPHOR BRONZE.
8. BRACKET PLATING: PURE TIN OVER NICKEL.

MATING CONDITIONS

PCB BOARD LAYOUT

PACKING DETAILS

REEL QTY 1000
LEADER 500MM
TRAILER 500MM
REEL / BOX 5
5 WAY BATTERY CONNECTOR REDUCED NOSE

NOTES:
1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-050.
2. GENERAL TOLERANCE ±0.20 UNLESS OTHERWISE STATED.
3. FOR MATING PAD DETAILS REFER TO PAGE 9.
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8. BRACKET PLATING: PURE TIN OVER NICKEL.

MATING CONDITIONS

PACKING DETAILS

REEL QTY | 1000
LEADER  | 500MM
TRAILER | 500MM
REEL / BOX | 5

PCB BOARD LAYOUT
Standard 2.5mm Pitch Battery

9155-000

STANDARD BATTERY – MATING PADS

3 WAY MATING PADS

4 WAY MATING PADS

5 WAY MATING PADS

NOTES:
1. SUGGESTED MATING PADS FOR STANDARD BATTERY CONNECTORS.
2. OUTLINE OF CONNECTOR.
3. PREFERED PLATING ON PADS GOLD OVER NICKEL.
4. PAD LENGTH MAY REQUIRE ADJUSTMENT TO MATCH THE CUSTOMER'S ASSEMBLY.
5. REFERENCE DIMENSIONS.