The 9159 series of Board-to-Board interconnect system allows two PCB’s to be mated end-to-end creating strips of LED lighting. Designed specifically for the unique Solid State Lighting (SSL) market requiring coplanar (horizontal-to-horizontal) PCB mating. The 1-Piece Card Edge connector was developed to provide a reliable, low cost and simple means of connecting multiple PCB’s together. The single stamped contact has dual contact beams to guarantee a high contact force on standard 1.6mm PCB’s. These connectors are available in 2 through 5 positions and are on 2.0mm pitch centers to provide a 3 amp continuous rating.

### APPLICATIONS
- Coplanar PCB mating in SSL products
- LED linear lighting strips

### FEATURES AND BENEFITS
- Dual contacts provide positive contact force for enhanced reliability
- Mates with standard 1.6 ± 0.15mm PCB on 2.0mm pad pitch
- 3 amp current rating for high current applications
- Available in white: supports SSL market preferences

### ELECTRICAL
- Current Rating: 3 Amps / Contact
- Voltage Rating: 300 VAC

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

### MECHANICAL
- Insulator Material: Nylon 46: UL94HB
- Contact Material: Phosphor Bronze
- Plating: Tin over Nickel
- Durability: 5 Cycles

### HOW TO ORDER

<table>
<thead>
<tr>
<th>Code</th>
<th>Prefix</th>
<th>Series</th>
<th>Number of Ways</th>
<th>Single Part PCB Strip Connector</th>
<th>PCB Thickness</th>
<th>Color Options</th>
<th>Packaging Options</th>
<th>Plating Option</th>
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<tr>
<td>00</td>
<td>9159</td>
<td>00X</td>
<td>01</td>
<td>9</td>
<td>01</td>
<td>9 UL</td>
<td>1 Bag (std)</td>
<td>6 Pure Tin all over</td>
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<td>002</td>
<td>2</td>
<td>2</td>
<td>1.60 ± 0.15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 Gold Flash</td>
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</table>

Certification: UL File #E90723
Standard Card Edge: BTB

00-9159

2 WAY SINGLE PART PCB STRIP CONNECTOR

NOTES:
1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-118.
2. DIMENSIONS ARE REFERENCE DIMENSIONS UNLESS TOLERANCED.
3. ARROW TO INDICATE CONTACT POSITION 1.
4. INSULATOR MATERIAL: NYLON 46, UL94 HB, COLOR SEE PAGE 1.
5. CONTACT MATERIAL: COPPER ALLOY, TIN PLATED ALL OVER, OR GOLD FLASH OVER TIN.
6. PCB PAD, TIN PLATED.

PACKING DETAILS

| REEL QTY | 750 |
| LEADER  | 500MM |
| TRAILER | 500MM |
| REEL PER BOX | TBC |

2 WAY PCB BOARD LAYOUT
THICKNESS 1.60 ± 0.15

NOTE 3

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UNREELED DIRECTION

NOTE 3
Standard Card Edge: BTB
00-9159

3 WAY SINGLE PART PCB STRIP CONNECTOR

PACKING DETAILS

| REEL QTY | 750 |
| LEADER  | 500MM |
| TRAILER | 500MM |
| REEL PER BOX | TBC |

NOTES:
1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-118.
2. DIMENSIONS ARE REFERENCE DIMENSIONS UNLESS TOLERANCED.
3. ARROW TO INDICATE CONTACT POSITION 1.
4. INSULATOR MATERIAL: NYLON 46, UL94 HB, COLOR SEE PAGE 1.
5. CONTACT MATERIAL: COPPER ALLOY, TIN PLATED ALL OVER, OR GOLD FLASH OVER TIN.
6. PCB PAD, TIN PLATED.
Standard Card Edge: BTB

00-9159

4 WAY SINGLE PART PCB STRIP CONNECTOR

NOTES:
1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-118.
2. DIMENSIONS ARE REFERENCE DIMENSIONS UNLESS TOLERANCED.
3. ARROW TO INDICATE CONTACT POSITION 1.
4. INSULATOR MATERIAL: NYLON 46, UL94 HB, COLOR SEE PAGE 1.
5. CONTACT MATERIAL: COPPER ALLOY, TIN PLATED ALL OVER, OR GOLD FLASH OVER TIN.
6. PCB PAD, TIN PLATED.

PACKING DETAILS

| REEL QTY | 750 |
| LEADER | 500MM |
| TRAILER | 500MM |
| REEL PER BOX | TBC |

4 WAY PCB BOARD LAYOUT

THICKNESS 1.60 ± 0.15

NOTE 3 & 4
5 WAY SINGLE PART PCB STRIP CONNECTOR

NOTES:
1. FOR MORE INFORMATION REFER TO PRODUCT SPEC 201-01-118.
2. DIMENSIONS ARE REFERENCE DIMENSIONS UNLESS TOLERANCED.
3. ARROW TO INDICATE CONTACT POSITION 1.
4. INSULATOR MATERIAL: NYLON 46, UL94 HB, COLOR SEE PAGE 1.
5. CONTACT MATERIAL: COPPER ALLOY, TIN PLATED ALL OVER, OR GOLD FLASH OVER TIN.
6. PCB PAD, TIN PLATED.

PACKING DETAILS

<table>
<thead>
<tr>
<th>REEL QTY</th>
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<th>TRAILER</th>
<th>REEL PER BOX</th>
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<tbody>
<tr>
<td>750</td>
<td>500MM</td>
<td>500MM</td>
<td>TBC</td>
</tr>
</tbody>
</table>

5 WAY PCB BOARD LAYOUT
THICKNESS 1.60 ± 0.15

NOTE 3 & 4

NOTE 6

NOTE 3