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- Fine-Pitch Technology

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- Card-Edge Technology
- Fine-Pitch Technology

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- Shield Locks
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KYOCERA AVX (formerly AVX Corporation) in October 2021 announced our new brand structure - KYOCERA AVX Components Corporation. This change maximizes the synergies of our two strong brands and combines our resources of manufacturing and development.

We remain a leading international manufacturer and supplier of advanced electronic components with 33 manufacturing facilities in 16 countries around the world. KYOCERA AVX offers a broad range of devices including Capacitors, RF/Microwave Components, Sensors, Controls, Circuit Protection Devices, Connectors and Antennas Solutions.

KYOCERA AVX Connectors (formerly AVX Interconnect) has been producing connectors since 1947. Throughout the years, we have been committed to designing innovative and demanding contact systems. We have been fortunate to create synergies with well-known name brands in the electronics industry. These relationships have enhanced our research and development utilizing new materials and processes that we have integrated into our designs. Our nimble business model and passion toward creative solutions helps us better support our partners and develop problem-solving products.

A list of our “firsts” in the industry:

- Patented (VARIPIN) Eye-of-the-needle compliant press-fit termination. This technology remains popular in automotive applications for critical systems such as passive safety and ABS / ESP.
- VARICON tuning fork hermaphroditic contact system used for over 20 years in military and space applications.
- Cost saving one-piece compression BTB contact technology.
- SMT - Insulation Displacement Contact (IDC) technology for harsh environments.

Our new structure enhances customers’ access to KYOCERA’s Fine Pitch Technology. This offers customers access to our high-speed floating board to board (FloXY), FPC/FFC, and micro wire to board connectors. KYOCERA AVX expects demand for electronic components to accelerate due to the widespread use of IoT, 5G, and Advanced Driver Assistance Systems, as well as through rapid technological innovation. We expect even more business opportunities brought about by the progression of the “4th Industrial Revolution.” Given this broader connector portfolio our entire technical team can offer solutions to customers with varied applications.
## Connector Selector

### Wire-to-Board Applications

**Standard (26-30 AWG)**  
9176-000

<table>
<thead>
<tr>
<th>Application</th>
<th>Discrete Wire</th>
</tr>
</thead>
<tbody>
<tr>
<td># of Positions</td>
<td>2 &amp; 3</td>
</tr>
<tr>
<td>Current Rating</td>
<td>1A/Contact</td>
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<tr>
<td>Voltage Rating</td>
<td>150 VAC</td>
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<tr>
<td>Operating Temp.</td>
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**Capped (26-30 AWG)**  
9175-700

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<th>Application</th>
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<td>Certifications</td>
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**Standard (18-24 AWG)**  
9176-000

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<tr>
<th>Application</th>
<th>Discrete Wire</th>
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<tbody>
<tr>
<td># of Positions</td>
<td>1, 2, 3</td>
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<tr>
<td>Current Rating</td>
<td>Up to 10A/Contact</td>
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<tr>
<td>Voltage Rating</td>
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<td>Operating Temp.</td>
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<td>Certifications</td>
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**Capped (26-30 AWG)**  
9175-400

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<tr>
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</tr>
<tr>
<td>Current Rating</td>
<td>Up to 6A/Contact</td>
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<tr>
<td>Voltage Rating</td>
<td>Dependent on Contact Spacing</td>
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<tr>
<td>Operating Temp.</td>
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<td>Certifications</td>
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**Single (18-24 AWG)**  
9176-500

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<tr>
<th>Application</th>
<th>Discrete Wire</th>
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<tbody>
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<td># of Positions</td>
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</tr>
<tr>
<td>Current Rating</td>
<td>Up to 10A/Contact</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>Dependent on Contact Spacing</td>
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<tr>
<td>Operating Temp.</td>
<td>-40°C to +125°C</td>
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<tr>
<td>Certifications</td>
<td>UL 1977 ROHS</td>
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**Capped (22-28 AWG)**  
9176-600

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<tr>
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<tbody>
<tr>
<td># of Positions</td>
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</tr>
<tr>
<td>Current Rating</td>
<td>Up to 9A/Contact</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>600 VAC</td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>-40°C to +125°C</td>
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<tr>
<td>Certifications</td>
<td>UL 1977 ROHS</td>
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**Single Tine PTH (18-24 AWG)**  
9176-650

<table>
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<tr>
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<tbody>
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<td># of Positions</td>
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</tr>
<tr>
<td>Current Rating</td>
<td>Up to 9A/Contact</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>600 VAC</td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>-40°C to +125°C</td>
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<tr>
<td>Certifications</td>
<td>UL 1977 ROHS</td>
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**Capped (18-24 AWG)**  
9176-700

<table>
<thead>
<tr>
<th>Application</th>
<th>Discrete Wire</th>
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</thead>
<tbody>
<tr>
<td># of Positions</td>
<td>1 to 5</td>
</tr>
<tr>
<td>Current Rating</td>
<td>Up to 10A/Contact</td>
</tr>
</tbody>
</table>
| Voltage Rating | 1p: 600 VAC  
2p-5p: 300 VAC |
| Operating Temp. | -40°C to +125°C |
| Certifications | UL 1977 ROHS |
## Connector Selector

### Wire-to-Board Applications

#### Insulation Displacement Technology Continued

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Application</th>
<th># of Positions</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
<th>Operating Temp.</th>
<th>Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Low Profile (22-30 AWG) 9176-800</strong></td>
<td>Discrete Wire</td>
<td>1 to 4</td>
<td>Up to 7A/Contact</td>
<td>1p: 600 VAC 2p-4p: 100 VAC</td>
<td>-40°C to +125°C</td>
<td>UL 1977 ROHS</td>
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<tr>
<td><strong>Standard (14-20 AWG) 9177-000</strong></td>
<td>Discrete Wire</td>
<td>1 to 3</td>
<td>Up to 16A/Contact</td>
<td>600 VAC</td>
<td>-40°C to +125°C</td>
<td>UL 1059 ROHS</td>
</tr>
<tr>
<td><strong>Single (12-18 AWG) 9177-500</strong></td>
<td>Discrete Wire</td>
<td>1</td>
<td>Up to 15A/Contact</td>
<td>600 VAC</td>
<td>-40°C to +125°C</td>
<td>UL 1977 ROHS</td>
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<tr>
<td>压合/ IDC (18-24 AWG) 53-8702</td>
<td>Auto. Electronic Systems</td>
<td>1 to 8</td>
<td>Up to 10A</td>
<td>125 VAC</td>
<td>-40°C to +125°C</td>
<td>ROHS</td>
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<tr>
<td><strong>Single Thru Hole (12-18 AWG) 9177-600</strong></td>
<td>Discrete Wire</td>
<td>1</td>
<td>Up to 15A/Contact</td>
<td>600 VAC</td>
<td>-40°C to +125°C</td>
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<tr>
<td><strong>Single Horizontal (12-28 AWG) 9296-000</strong></td>
<td>WTB</td>
<td>1</td>
<td>Up to 20A/Contact</td>
<td>Dependent on Contact Spacing</td>
<td>-40°C to +125°C</td>
<td>UL 1977 ROHS</td>
</tr>
<tr>
<td><strong>Micro Single Vertical (22-26 AWG) 9296-1X2</strong></td>
<td>WTB</td>
<td>1</td>
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<td>Dependent on Contact Spacing</td>
<td>-40°C to +125°C</td>
<td>UL 1977 ROHS</td>
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</tbody>
</table>
# Poke-Home Technology Continued

## Connector Selector

**Wire-to-Board Applications**

### Single Vertical (18-24 AWG) 9296-1X3
- Application: WTB
- # of Positions: 1
- Current Rating: Up to 15A/Contact
- Voltage Rating: Dependent on Contact Spacing
- Operating Temp.: -40°C to +125°C
- Certifications: UL 1977 ROHS

### Low Profile Horizontal (20-26 AWG) 9296-200
- Application: WTB
- # of Positions: 1 to 6
- Current Rating: Up to 8A/Contact
- Voltage Rating: 300 VAC
- Operating Temp.: -40°C to +130°C
- Certifications: UL 1977 ROHS

### Horizontal (18-26 AWG) 9296-400
- Application: WTB
- # of Positions: 1
- Current Rating: Up to 10A/Contact
- Voltage Rating: 600 VAC
- Operating Temp.: -40°C to +125°C
- Certifications: UL 1977 ROHS

### Inverted Thru Board (18-26 AWG) 9296-500
- Application: Inverse WTB
- # of Positions: 1 to 6
- Current Rating: Up to 7A/Contact
- Voltage Rating: 600 VAC 1p 300 VAC 2p-6p
- Operating Temp.: -40°C to +125°C
- Certifications: UL 1977 ROHS

### Vertical Top Entry (18-26 AWG) 9296-555
- Application: WTB
- # of Positions: 1 to 6
- Current Rating: Up to 7A/Contact
- Voltage Rating: 600 VAC 1p 300 VAC 2p-6p
- Operating Temp.: -40°C to +125°C
- Certifications: UL 1977 ROHS

### Standard Vertical Top Entry (18-22 AWG) 9296-600
- Application: WTB
- # of Positions: 1
- Current Rating: Up to 8A
- Voltage Rating: 600 VAC
- Operating Temp.: -40°C to +130°C
- Certifications: UL 1977 ROHS

### Vertical Box Contact (12-18 AWG) 9296-11X
- Application: WTB
- # of Positions: 1
- Current Rating: Up to 20A/Contact
- Voltage Rating: Dependent on Contact Spacing
- Operating Temp.: -40°C to +125°C
- Certifications: UL 1977 ROHS
## 2-PIECE CONNECTORS

<table>
<thead>
<tr>
<th>Solder Cup Plug</th>
<th>11-9159-100</th>
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<tbody>
<tr>
<td>Application</td>
<td>Horizontal WTB with Latch</td>
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<td># of Positions</td>
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<td>Current Rating</td>
<td>5A/Contact</td>
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<td>Voltage Rating</td>
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<th>Plug 14-9159-100</th>
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<tr>
<td>Current Rating</td>
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<td>Voltage Rating</td>
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<th>Socket 24-9159-100</th>
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<tr>
<td>Application</td>
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<tr>
<td># of Positions</td>
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<tr>
<td>Current Rating</td>
</tr>
<tr>
<td>Voltage Rating</td>
</tr>
<tr>
<td>Operating Temp.</td>
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<tr>
<td>Certifications</td>
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## FINE-PITCH TECHNOLOGY

### 1.27mm Pitch 8005 Series

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<tr>
<th>Application</th>
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<tbody>
<tr>
<td># of Positions</td>
<td>2</td>
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<tr>
<td>Current Rating</td>
<td>DC 1.0A</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>DC 30V</td>
</tr>
<tr>
<td>D.W. Voltage</td>
<td>AC 500Vrms</td>
</tr>
<tr>
<td>Wire Size</td>
<td>AWG #32</td>
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### 1.0mm Pitch 8040 Series

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</tr>
<tr>
<td>Current Rating</td>
<td>DC 1.0A</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>DC 30V</td>
</tr>
<tr>
<td>D.W. Voltage</td>
<td>AC 500Vrms</td>
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<tr>
<td>Wire Size</td>
<td>AWG #32</td>
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### 0.9mm Pitch 8041 Series

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<tr>
<td>Current Rating</td>
<td>DC 1.0A</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>DC 30V</td>
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<td>D.W. Voltage</td>
<td>AC 500Vrms</td>
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<tr>
<td>Wire Size</td>
<td>AWG #32</td>
</tr>
</tbody>
</table>
## Thru-Wire Connectors 9286-000

- **Application**: Discrete Wire: 18-26 AWG
- **# of Positions**: 1, 2, 3, 4, 6, 8
- **Current Rating**: Up to 8A/Contact
- **Voltage Rating**: 300 VAC
- **Operating Temp.**: -40°C to +125°C
- **Certifications**: UL 1977 ROHS

## Junction Box Connectors 9286-100

- **Application**: Discrete Wire: 18-26 AWG
- **# of Positions**: 4, 6, 8
- **Current Rating**: 10A Total
- **Voltage Rating**: 300 VAC
- **Operating Temp.**: -40°C to +125°C
- **Certifications**: UL 1977 ROHS

## Reduced Thru-Wire Connectors 9286-200

- **Application**: Discrete Wire: 18-24 AWG
- **# of Positions**: 1 to 6
- **Current Rating**: Up to 8A/Contact
- **Voltage Rating**: 300 VAC
- **Operating Temp.**: -40°C to +130°C
- **Certifications**: UL 1977 ROHS

## Reduced Junction Box Connectors 9286-250

- **Application**: Discrete Wire: 18-24 AWG
- **# of Positions**: 4, 6, 8
- **Current Rating**: Up to 8A/Contact
- **Voltage Rating**: 300 VAC
- **Operating Temp.**: -40°C to +130°C
- **Certifications**: UL 1977 ROHS

## Thru-Wire Connector 9286-300

- **Application**: Discrete Wire: 12-18 AWG
- **# of Positions**: 1
- **Current Rating**: Up to 15A/Contact
- **Voltage Rating**: 600 VAC
- **Operating Temp.**: -40°C to +130°C
- **Certifications**: UL 1977 ROHS
## Connector Selector

### Board-to-Board Applications

#### Battery / Compression Technology

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Application</th>
<th># of Positions</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
<th>Operating Temp.</th>
<th>Certifications</th>
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<tbody>
<tr>
<td><strong>Standard 2.5mm Pitch 9155-000</strong></td>
<td>Battery or BTB</td>
<td>3 to 5</td>
<td>3A/Contact</td>
<td>125 VAC</td>
<td>-40°C to +125°C</td>
<td>ROHS</td>
</tr>
<tr>
<td><strong>Battery Connector 1.27mm Pitch 9155-020</strong></td>
<td>Battery or BTB</td>
<td>2 to 5</td>
<td>2p-3p: 3A/Contact, 4p-5p: 2A/Contact</td>
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<td>-40°C to +125°C</td>
<td>ROHS</td>
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<tr>
<td><strong>Ultra Low Profile 2.5mm Pitch 9155-100</strong></td>
<td>Battery or BTB</td>
<td>2 &amp; 3</td>
<td>3A/Contact</td>
<td>125 VAC</td>
<td>-40°C to +105°C</td>
<td>ROHS</td>
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<tr>
<td><strong>Battery Reduced 2.5mm Pitch 9155-200</strong></td>
<td>Battery or BTB</td>
<td>2 to 5</td>
<td>3A/Contact</td>
<td>125 VAC</td>
<td>-40°C to +125°C</td>
<td>ROHS</td>
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<tr>
<td><strong>Right Angle 3.0mm Pitch 9155-300</strong></td>
<td>Battery or BTB</td>
<td>2 to 6</td>
<td>3A/Contact</td>
<td>125 VAC</td>
<td>-40°C to +105°C</td>
<td>ROHS</td>
</tr>
<tr>
<td><strong>Two Piece 4.0mm Pitch 9155-400</strong></td>
<td>Battery or BTB</td>
<td>2 to 6</td>
<td>5A/Contact</td>
<td>150 VAC</td>
<td>-40°C to +125°C</td>
<td>ROHS</td>
</tr>
<tr>
<td><strong>Right Angle 2.5mm Pitch 9155-500</strong></td>
<td>Battery or BTB</td>
<td>2 to 5</td>
<td>3A/Contact</td>
<td>125 VAC</td>
<td>-40°C to +125°C</td>
<td>ROHS</td>
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</tbody>
</table>
## BATTERY / COMPRESSION TECHNOLOGY CONTINUED

### Low Profile Single Contact
9155-600

- **Application:** BTB
- **# of Positions:** 1
- **Current Rating:** 3A/Contact
- **Voltage Rating:** 300 VAC
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** ROHS

### Right Angle 2.0mm Pitch
9155-700

- **Application:** Battery or BTB
- **# of Positions:** 2 to 6
- **Current Rating:** 2p-4p: 2A
  5p-6p: 1.5A
- **Voltage Rating:** 125 VAC
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** ROHS

### Vertical Mate 2.0mm Pitch
9155-800

- **Application:** Battery or BTB
- **# of Positions:** 2 to 8
- **Current Rating:** 2p-4p: 2A
  5p-6p: 1.5A
- **Voltage Rating:** 125 VAC
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** ROHS

### Dual Row Stacker
9158-000

- **Application:** BTB
- **# of Positions:** 16 to 32
- **Current Rating:** 1A/Contact
- **Voltage Rating:** 125 VAC
- **Operating Temp.:** -55°C to +125°C
- **Certifications:** ROHS

### Staggered Stacker
9188-000

- **Application:** BTB
- **# of Positions:** 4, 6, 8
- **Current Rating:** 1A/Contact
- **Voltage Rating:** 125 VAC
- **Operating Temp.:** -55°C to +125°C
- **Certifications:** ROHS

### Ultra Low Profile Stacker
9258-000

- **Application:** BTB
- **# of Positions:** 8
- **Current Rating:** 1A/Contact
- **Voltage Rating:** 125 VAC
- **Operating Temp.:** -55°C to +125°C
- **Certifications:** ROHS

### Tall Stacker
9148-000

- **Application:** BTB
- **# of Positions:** 8
- **Current Rating:** 1A Continuous
- **Voltage Rating:** 125VAC
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** ROHS

### Pogo Pin Single Contact
9150-000

- **Application:** BTB
- **# of Positions:** 1
- **Current Rating:** 1A/Contact
- **Voltage Rating:** Dependent on Contact Distance
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** ROHS
# 2-Piece Connectors

## Horizontal Plug 10-9159-100
- **Application:** Linear BTB
- **# of Positions:** 2 to 6
- **Current Rating:** 5A/Contact
- **Voltage Rating:** 125 VAC
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** UL 1977 ROHS

## Vertical Plug 13-9159-100
- **Application:** Perpendicular BTB
- **# of Positions:** 2 to 6
- **Current Rating:** 5A/Contact
- **Voltage Rating:** 125 VAC
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** UL 1977 ROHS

## Horizontal Socket 20-9159-100
- **Application:** Linear BTB
- **# of Positions:** 2 to 6
- **Current Rating:** 5A/Contact
- **Voltage Rating:** 125 VAC
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** UL 1977 ROHS

## Top Load Socket 22-9159-100
- **Application:** Linear BTB
- **# of Positions:** 2 to 6
- **Current Rating:** 5A/Contact
- **Voltage Rating:** 125 VAC
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** UL 1977 ROHS

## Shorting Socket 58-9159
- **Application:** Shorting Socket
- **# of Positions:** 2
- **Current Rating:** 5A/Contact
- **Voltage Rating:** 125 VAC
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** UL 1977 ROHS

## Linking Contact System 9159-300
- **Application:** Linear BTB
- **# of Positions:** 1
- **Current Rating:** 9A/Contact
- **Voltage Rating:** 300 VAC
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** ROHS

## Single 2-Piece Contacts 9159-400
- **Application:** Linear BTB
- **# of Positions:** 1
- **Current Rating:** 5A/Contact
- **Voltage Rating:** 300 VAC
- **Operating Temp.:** -40°C to +125°C
- **Certifications:** UL 1977 ROHS
<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Description</th>
<th>Application</th>
<th># of Positions</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
<th>Operating Temp.</th>
<th>Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard 9159-000</td>
<td>Card-Edge Technology</td>
<td>Linear BTB</td>
<td>2 to 5</td>
<td>3A/Contact</td>
<td>300 VAC</td>
<td>-40°C to +125°C</td>
<td>UL 1977 ROHS</td>
</tr>
<tr>
<td>Open-Ended 9159-060</td>
<td>Card-Edge Technology</td>
<td>Linear BTB</td>
<td>4, 6, 8, 10</td>
<td>3.0 Amps 4p / 6p, 2.5 Amps 8p / 10p</td>
<td>300 VAC</td>
<td>-40°C to +125°C</td>
<td>UL 1977 ROHS</td>
</tr>
<tr>
<td>Inverted Thru Board 9159-500</td>
<td>Card-Edge Technology</td>
<td>Perpendicular BTB</td>
<td>2 to 6</td>
<td>2A/Contact</td>
<td>300 VAC</td>
<td>-40°C to +120°C</td>
<td>UL 1977 ROHS</td>
</tr>
<tr>
<td>Vertical Top Entry 9159-550</td>
<td>Card-Edge Technology</td>
<td>Perpendicular BTB</td>
<td>2 to 6</td>
<td>2A/Contact</td>
<td>300 VAC</td>
<td>-40°C to +120°C</td>
<td>UL 1977 ROHS</td>
</tr>
<tr>
<td>Dual Row Inverted Thru Board 9159-600</td>
<td>Card-Edge Technology</td>
<td>Perpendicular BTB</td>
<td>4, 6, 8, 10, 12</td>
<td>2.5A/Contact</td>
<td>300 VAC</td>
<td>-40°C to +125°C</td>
<td>UL 1977 ROHS</td>
</tr>
<tr>
<td>Vertical Dual Row Top Entry 9159-650</td>
<td>Card-Edge Technology</td>
<td>Perpendicular BTB</td>
<td>4, 6, 8, 10, 12</td>
<td>2.5A/Contact</td>
<td>300 VAC</td>
<td>-40°C to +125°C</td>
<td>UL 1977 ROHS</td>
</tr>
<tr>
<td>Linear Card Edge with Springs 9159-7X0</td>
<td>Card-Edge Technology</td>
<td>Linear BTB</td>
<td>4, 6, 8, 10, 12</td>
<td>Up to 2A/Contact</td>
<td>150 VAC</td>
<td>-40°C to +125°C</td>
<td>UL 1977 ROHS</td>
</tr>
</tbody>
</table>

*Compatible with the PCI-SIG, PCI Express® M.2 specifications*
**FINE-PITCH TECHNOLOGY**

### FloXY HS

<table>
<thead>
<tr>
<th><strong>0.5mm Pitch 5652 Series</strong></th>
<th><strong>0.5mm Pitch 5656 Series</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Stacking Height</strong></td>
<td>15.0 to 25.0mm</td>
</tr>
<tr>
<td><strong>No. of Positions</strong></td>
<td>60 to 180</td>
</tr>
<tr>
<td><strong>Current Rating</strong></td>
<td>DC 0.6A</td>
</tr>
<tr>
<td></td>
<td>DC 3A (Power Pin)</td>
</tr>
<tr>
<td><strong>Voltage Rating</strong></td>
<td>DC 50V</td>
</tr>
<tr>
<td><strong>D.W. Voltage</strong></td>
<td>AC 500 Vrms</td>
</tr>
<tr>
<td><strong>Floating</strong></td>
<td>XY ± 0.85mm</td>
</tr>
</tbody>
</table>

*FloXY® is a product brand of Kyocera's Floating Board to Board Connector series*
## FINE-PITCH TECHNOLOGY CONTINUED

### 0.4mm Pitch 5804 Series
- **Stacking Height:** 0.9 / 1.5 / 2.0mm
- **Width:** 2.4mm
- **No. of Positions:** 10 to 70
- **Current Rating:** DC 0.3A
- **Voltage Rating:** DC 50V
- **D.W. Voltage:** AC 250 Vrms

### 0.4mm Pitch 5806 Series
- **Stacking Height:** 0.6mm
- **No. of Positions:** 1.9mm
- **Current Rating:** 10 to 30
- **Voltage Rating:** DC 0.3A
- **D.W. Voltage:** DC 60V
- **Floating:** AC 250 Vrms

### 0.35mm Pitch 5843 Series
- **Stacking Height:** 0.8mm
- **Width:** 2.4mm
- **No. of Positions:** 12 to 48
- **Current Rating:** DC 0.3A
- **Voltage Rating:** DC 60V
- **D.W. Voltage:** AC 250 Vrms

### 0.35mm Pitch 5861 Series
- **Stacking Height:** 0.6mm
- **Width:** 1.95mm
- **No. of Positions:** 6 to 60
- **Current Rating:** DC 0.5A (~40 Pin)  DC 0.3A (42 Pin~)  DC 5.0A (Metal Tab)
- **Voltage Rating:** DC 60V
- **D.W. Voltage:** AC 250 Vrms

### 0.35mm Pitch 5863 Series
- **Stacking Height:** 0.8mm
- **Width:** 2.3mm
- **No. of Positions:** 50 to 60
- **Current Rating:** DC 0.3A  DC 5.0A (Metal Tab)
- **Voltage Rating:** DC 60V
- **D.W. Voltage:** AC 250 Vrms

### 0.35mm Pitch 7129 Series
- **Stacking Height:** 0.7mm
- **Width:** 2.2mm
- **No. of Positions:** 2/4 (Signal)  4 (Power)
- **Current Rating:** DC 0.4A (Signal)  DC 10A (2Power Cont.)
- **Voltage Rating:** DC 30V
- **D.W. Voltage:** 250 Vrms

### 0.35mm Pitch 5897 Series
- **Stacking Height:** 0.8mm
- **Width:** 2.3mm
- **No. of Positions:** 78
- **Current Rating:** DC 0.3A  DC 3.0A (Metal Tab)
- **Voltage Rating:** DC 50V
- **D.W. Voltage:** AC 250 Vrms
# FINE-PITCH TECHNOLOGY

## CONNECTOR SELECTION

**FPC / FFC APPLICATIONS**

### 1.0mm Pitch

#### 6232 Series (SMT)
- **Profile Height**: 3.0mm (Right Angle) 5.1mm (Vertical)
- **No. of Positions**: 3 to 30
- **Current Rating**: DC 0.5A
- **Voltage Rating**: DC 50V
- **D.W. Voltage**: AC 500 Vrms
- **FPC/FFC Thickness**: 0.3mm
- **Contact**: Top, Bottom

#### 6232 Series (DIP)
- **Profile Height**: 3.0mm (Right Angle) 5.5mm (Vertical)
- **No. of Positions**: 3 to 30
- **Current Rating**: DC 0.5A
- **Voltage Rating**: DC 50V
- **D.W. Voltage**: AC 500 Vrms
- **FPC/FFC Thickness**: 0.3mm
- **Contact**: Single

### 0.5mm Pitch

#### 6277 Series
- **Profile Height**: 0.9mm
- **No. of Positions**: 3 to 6
- **Current Rating**: DC 0.4A
- **Voltage Rating**: DC 50V
- **D.W. Voltage**: AC 200 Vrms
- **FPC/FFC Thickness**: 0.2mm
- **Contact**: Dual

#### 6298 Series
- **Profile Height**: 0.9mm
- **No. of Positions**: 3 to 8
- **Current Rating**: DC 0.4A
- **Voltage Rating**: DC 50V
- **D.W. Voltage**: AC 200 Vrms
- **FPC/FFC Thickness**: 0.2mm
- **Contact**: Bottom

#### 6809 Series
- **Profile Height**: 0.93mm
- **No. of Positions**: 4 to 40
- **Current Rating**: DC 0.5A
- **Voltage Rating**: DC 50V
- **D.W. Voltage**: AC 200 Vrms
- **FPC/FFC Thickness**: 0.3mm
- **Contact**: Bottom

#### 6808 Series
- **Profile Height**: 1.5mm
- **No. of Positions**: 7
- **Current Rating**: DC 0.5A DC 4.0A (3 Contacts)
- **Voltage Rating**: DC 50V
- **D.W. Voltage**: AC 200 Vrms
- **FPC/FFC Thickness**: 0.3mm
- **Contact**: Dual

#### 6811 Series
- **Profile Height**: 1.28mm
- **No. of Positions**: 4 to 16
- **Current Rating**: DC 0.5A
- **Voltage Rating**: DC 50V
- **D.W. Voltage**: AC 200 Vrms
- **FPC/FFC Thickness**: 0.3mm
- **Contact**: Bottom
### FINE-PITCH TECHNOLOGY CONTINUED

#### 0.5mm Pitch 6806 Series
- Profile Height: 1.75mm
- No. of Positions: 8 to 30
- Current Rating: DC 0.4A
- Voltage Rating: DC 50V
- D.W. Voltage: AC 200 Vrms
- FPC/FFC Thickness: 0.3mm
- Contact: Bottom

#### 0.5mm Pitch 6815 Series
- Profile Height: 1.9mm
- No. of Positions: 96 to 100
- Current Rating: DC 0.5A
- Voltage Rating: DC 50V
- D.W. Voltage: AC 200 Vrms
- FPC/FFC Thickness: 0.3mm
- Contact: Bottom

#### 0.5mm Pitch 6288 Series
- Profile Height: 2.0mm
- No. of Positions: 8 to 80
- Current Rating: DC 0.4A
- Voltage Rating: DC 50V
- D.W. Voltage: AC 200 Vrms
- FPC/FFC Thickness: 0.3mm
- Contact: Bottom

#### 0.5mm Pitch 6810 Series
- Profile Height: 4.1mm (Right Angle)
- No. of Positions: 6 to 60
- Current Rating: DC 0.4A
- Voltage Rating: DC 50V
- D.W. Voltage: AC 200 Vrms
- FPC/FFC Thickness: 0.3mm
- Contact: Bottom (Right Angle)

#### 0.5mm Pitch 6892 Series
- Profile Height: 2.2mm
- No. of Positions: 30 to 68
- Current Rating: DC 0.5A
- Voltage Rating: DC 50V
- D.W. Voltage: AC 200 Vrms
- FPC/FFC Thickness: 0.3mm (Signal)
- Contact: Bottom

#### 0.5mm Pitch 6214 / 6274 Series
- Profile Height: 4.1mm (6214)
- No. of Positions: 6 to 40 (6214)
- Current Rating: DC 0.4A
- Voltage Rating: DC 50V
- D.W. Voltage: AC 200 Vrms
- FPC/FFC Thickness: 0.3mm
- Contact: Single

#### 0.5mm Pitch 6892 Series
- Profile Height: 2.2mm
- No. of Positions: 30 to 68
- Current Rating: DC 0.5A
- Voltage Rating: DC 50V
- D.W. Voltage: AC 200 Vrms
- FPC/FFC Thickness: 0.3mm (Signal)
- Contact: Bottom

#### 0.5mm Pitch 6810 Series
- Profile Height: 4.1mm (6214)
- No. of Positions: 6 to 40 (6214)
- Current Rating: DC 0.4A
- Voltage Rating: DC 50V
- D.W. Voltage: AC 200 Vrms
- FPC/FFC Thickness: 0.3mm
- Contact: Single

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## CONNECTOR SELECTOR

**FPC / FFC APPLICATIONS**

### FINE-PITCH TECHNOLOGY CONTINUED

#### 0.5mm Pitch

<table>
<thead>
<tr>
<th>Series</th>
<th>Profile Height</th>
<th>No. of Positions</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
<th>D.W. Voltage</th>
<th>FPC/FFC Thickness</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6251 Series</strong></td>
<td>5.45mm</td>
<td>10 to 64</td>
<td>DC 0.4A</td>
<td>DC 50V</td>
<td>AC 200 Vrms</td>
<td>0.3mm (Compatible with 6288)</td>
<td>Dual</td>
</tr>
<tr>
<td><strong>6801 Series</strong></td>
<td>5.5mm</td>
<td>20 to 50</td>
<td>DC 0.4A</td>
<td>DC 50V</td>
<td>AC 200 Vrms</td>
<td>0.3mm (Compatible with 6288)</td>
<td>Single</td>
</tr>
</tbody>
</table>

#### 0.4mm Pitch

<table>
<thead>
<tr>
<th>Series</th>
<th>Profile Height</th>
<th>No. of Positions</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
<th>D.W. Voltage</th>
<th>FPC/FFC Thickness</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6824 Series</strong></td>
<td>0.93mm</td>
<td>4 to 22</td>
<td>DC 0.4A</td>
<td>DC 50V</td>
<td>AC 200 Vrms</td>
<td>0.3mm</td>
<td>Dual</td>
</tr>
<tr>
<td><strong>6287 Series</strong></td>
<td>1.2mm</td>
<td>14 to 76</td>
<td>DC 0.4A</td>
<td>DC 40V</td>
<td>AC 200 Vrms</td>
<td>0.3mm</td>
<td>Single</td>
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</table>

#### 0.3mm Pitch

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<thead>
<tr>
<th>Series</th>
<th>Profile Height</th>
<th>No. of Positions</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
<th>D.W. Voltage</th>
<th>FPC/FFC Thickness</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6293 Series</strong></td>
<td>0.9mm</td>
<td>9 to 39</td>
<td>DC 0.2A</td>
<td>DC 50V</td>
<td>AC 250 Vrms</td>
<td>0.2mm</td>
<td>Dual</td>
</tr>
<tr>
<td><strong>6801 Series</strong></td>
<td>3.6mm</td>
<td>15 to 51</td>
<td>DC 0.2A</td>
<td>DC 50V</td>
<td>AC 200 Vrms</td>
<td>0.2mm</td>
<td>Single</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Series</th>
<th>Profile Height</th>
<th>No. of Positions</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
<th>D.W. Voltage</th>
<th>FPC/FFC Thickness</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>6841 Series</strong></td>
<td>0.95mm</td>
<td>21 to 71</td>
<td>DC 0.2A</td>
<td>DC 50V</td>
<td>AC 200 Vrms</td>
<td>0.2mm</td>
<td>Bottom</td>
</tr>
<tr>
<td><strong>6844 Series</strong></td>
<td>0.95mm</td>
<td>11 to 61</td>
<td>DC 0.2A</td>
<td>DC 50V</td>
<td>AC 200 Vrms</td>
<td>0.2mm</td>
<td>Bottom</td>
</tr>
<tr>
<td><strong>6866 Series</strong></td>
<td>0.95mm</td>
<td>21 to 71</td>
<td>DC 0.2A</td>
<td>DC 50V</td>
<td>AC 200 Vrms</td>
<td>0.2mm</td>
<td>Bottom</td>
</tr>
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</table>
# SPECIALTY APPLICATIONS

## SINGLE PAIR ETHERNET

<table>
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<tr>
<th>Jack/Receptacle SPE IP20 6780 Series</th>
<th>Plug Cable Assembly SPE IP20 6780 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>Industrial Ethernet</td>
</tr>
<tr>
<td># of Positions</td>
<td>2</td>
</tr>
<tr>
<td>Current Rating</td>
<td>4A</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>60 VDC</td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>-40°C to +85°C</td>
</tr>
<tr>
<td>Certifications</td>
<td>IEC 63171-6</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Application</td>
<td>Industrial Ethernet</td>
</tr>
<tr>
<td># of Positions</td>
<td>2</td>
</tr>
<tr>
<td>Current Rating</td>
<td>4A</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>60 VAC</td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>-40°C to +85°C</td>
</tr>
<tr>
<td>Certifications</td>
<td>IEC 63171-6</td>
</tr>
</tbody>
</table>

## INPUT/OUTPUT

<table>
<thead>
<tr>
<th>Standard I/O 15P 9157-015</th>
<th>Reduced Size 9257-000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>Portable Devices: Industrial/Medical</td>
</tr>
<tr>
<td># of Positions</td>
<td>15</td>
</tr>
<tr>
<td>Current Rating</td>
<td>Up to 1.5A/Contact</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>125 VAC</td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>-55°C to +125°C</td>
</tr>
<tr>
<td>Certifications</td>
<td>ROHS</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Standard I/O 19P 9157-019</th>
<th>Mini 9257-100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>Portable Devices: Industrial/Medical</td>
</tr>
<tr>
<td># of Positions</td>
<td>19</td>
</tr>
<tr>
<td>Current Rating</td>
<td>Up to 1.5A/Contact</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>125 VAC</td>
</tr>
<tr>
<td>Operating Temp.</td>
<td>-55°C to +125°C</td>
</tr>
<tr>
<td>Certifications</td>
<td>ROHS</td>
</tr>
</tbody>
</table>

| Application               | Portable Devices: Industrial/Medical |
| # of Positions            | 16                                    |
| Current Rating            | Up to 1A/Contact                    |
| Voltage Rating            | 125 VAC                               |
| Operating Temp.           | -55°C to +125°C                     |
| Certifications            | ROHS                                  |

| Application               | Portable Devices: Industrial Ethernet |
| # of Positions            | 12                                    |
| Current Rating            | Up to 1.5A/Contact                   |
| Voltage Rating            | 50 VAC                                |
| Operating Temp.           | 55°C to +85°C                        |
| Certifications            | ROHS                                  |
### Memory Products

<table>
<thead>
<tr>
<th>Product</th>
<th>Application</th>
<th># of Positions</th>
<th>Current Rating</th>
<th>Voltage Rating</th>
<th>Operating Temp.</th>
<th>Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SIM Block 9162-000</strong></td>
<td>Cellular Phones / Radios</td>
<td>6</td>
<td>Up to 0.5A/Contact</td>
<td>50 VAC</td>
<td>-55°C to +80°C</td>
<td>ROHS</td>
</tr>
<tr>
<td><strong>Slide-In SIM 9162-200</strong></td>
<td>Cellular Phones / Radios</td>
<td>6</td>
<td>Up to 0.5A/Contact</td>
<td>50 VAC</td>
<td>-55°C to +105°C</td>
<td>ROHS</td>
</tr>
<tr>
<td><strong>Locking SIM 9162-300</strong></td>
<td>Cellular Phones / Radios</td>
<td>6</td>
<td>Up to 0.3A/Contact</td>
<td>30 VAC</td>
<td>-55°C to +125°C</td>
<td>ROHS</td>
</tr>
<tr>
<td><strong>Slide-In Low Profile SIM 9162-400</strong></td>
<td>Cellular Phones / Radios</td>
<td>6</td>
<td>Up to 0.5A/Contact</td>
<td>15 VAC</td>
<td>-55°C to +70°C</td>
<td>ROHS</td>
</tr>
<tr>
<td><strong>SIM/Micro SD Combination 9162-500</strong></td>
<td>Cellular Phones / Radios</td>
<td>6</td>
<td>Up to 0.3A/Contact</td>
<td>15 VAC</td>
<td>-55°C to +70°C</td>
<td>ROHS</td>
</tr>
</tbody>
</table>
### 9069 Series

- **No. of Positions**: 6 / 8 / 10
- **Pitch**: 3.18mm (6pos.)
  2.54mm (8, 10pos.)
- **Current Rating**: AC/DC 18A (6pos.)
  AC/DC 24A (8pos.)
  AC/DC 30A (10pos.)
- **Application Screw**: M4

### 8069 Series

- **Stacking Height**: 1.8 / 3.0mm
- **Current Rating**: AC/DC 0.5A
- **Voltage Rating**: AC/DC 5A
- **Thickness**: 0.2mm

### Branch Connectors

#### Branch Connector 9215 Series

- **Current**
  - Aluminum Wire: AC/DC 9.0A
  - Copper Wire: AC/DC 3.0A (0.13sq)
  - AC/DC 8.0A (0.3sq)
  - AC/DC 10.0A (0.5/0.85sq)
- **Voltage**: AC/DC 125V
- **D.W. Voltage**: AC 1,000 Vrms
- **Wire Size**
  - Aluminum Wire: 0.5/0.75sq
  - Copper Wire: 0.13/0.2/0.5/0.85sq

#### Branch Connector 9715 Series

- **Current**
  - Aluminum Wire: AC/DC 8.0A (0.5sq)
  - AC/DC 9.0A (0.75sq)
  - Copper Wire: AC/DC 9.0A (0.5sq)
- **Voltage**: AC/DC 125V
- **D.W. Voltage**: AC 1,000 Vrms
- **Wire Size**
  - Aluminum Wire: 0.5/0.75sq
  - Copper Wire: 0.5sq
STAY CONNECTED!

Tools Available Online:

- DATASHEETS & CATALOGS
- 3D MODELS
- VIDEOS
- APPLICATION & PRODUCT GUIDE
- PART NUMBER INFORMATION

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