**Features and Benefits**

- Compact 1.50mm (.059") terminal connector is capable of up to 22.0A continuous current
- Meets USCAR footprint: 150-S-002-1-Z01 to ensure mating with USCAR connector interfaces
- Glass-filled thermoplastic housing and pre-loaded Terminal Position Assurance (TPA) ensures crimped terminal leads are properly locked into the connector (TPA will not seat and the connector system will not latch if the terminal is not locked properly into position) and meets up to Temperature Class 3 performance
- Integral locking latch with secondary, pre-loaded connector position assurance (CPA) option ensures the connector system is properly latched (CPA will not move to final locking position if the connector is not latched)
- Optional clip slot aids in vehicle routing by offering an optional orientation clip attachment
- Audible and tactile clicks on insertion, extraction and mating feedback facilitates reliable mating, and terminal loading and removal

**Specifications**

**Reference Information**

- Packaging:
  - Housings — Bulk Pack
  - Terminals — Reel
- Mates With:
  - Series 34675 male connector to Series 34062 female receptacle
- Use With:
  - Terminals: 34080 Male / 34083 Female
- Designed in: Millimeters

**Electrical**

- Voltage (max.): 500V
- Current (max.): 22.0A
- Contact Resistance: 10 milliohms max.
- Dielectric Withstanding Voltage: 1500V AC
- Isolation Resistance: 20 Megohms min.

**Mechanical / Electrical / Sealing**

- Mating Force: Less than 45N (10.1 lb)
- Unmating Force: Less than 45N (10.1 lb)
- Connector Retention (Primary latch): 110N (24.7 lb) min.
- Contact Insertion Force to Housing: 90N (20.2 lb) min.
- Connector Audible Feedback: 7dB over ambient
- Polarization Feature Effectiveness: 220N min.
- FCLT (Class 3): 20 Milliohms max.
- Durability (10 Cycles): 10 Milliohms max.
- Thermal Shock (Class 3, 110cycles): 10 Milliohms max.
- Sealing: (USCAR-2 Rev 4)
  - Pressure/Vacuum Immersion: 28kPa (4psi) 15 sec min.
  - Isolation resistance: 20 Megohms @ 500V DC min.

**Physical**

- Housing: Nylon 6, 30% glass-filled
- TPA: PBT, 30% glass-filled
- Contact: C19025 Copper (Cu) Alloy
- Plating:
  - Contact Area — Tin (Sn)
  - Underplating — Nickel (Ni)
- Operating Temperature: -40 to +125 °C
### ORDERING INFORMATION

#### Connector

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Component</th>
<th>Gender</th>
<th>Housing Features</th>
<th>Comment</th>
<th>Plant No. for Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>34675-0002</td>
<td>Connector</td>
<td>Male</td>
<td>TPA</td>
<td>Polarization B, No Clip Slot</td>
<td>3109</td>
</tr>
<tr>
<td>34675-0003</td>
<td>Connector</td>
<td>Male</td>
<td>TPA</td>
<td>Polarization C, With Clip Slot</td>
<td>3109</td>
</tr>
<tr>
<td>34062-0022</td>
<td>Receptacle</td>
<td>Female</td>
<td>TPA and Interfacial Seal</td>
<td>Polarization B</td>
<td>3109</td>
</tr>
<tr>
<td>34062-0023</td>
<td>Receptacle</td>
<td>Female</td>
<td>TPA and Interfacial Seal</td>
<td>Polarization C</td>
<td>3109</td>
</tr>
</tbody>
</table>

#### Terminal

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Gender</th>
<th>Plating</th>
<th>Wire Size (AWG)</th>
<th>Plant No. for Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>34080-0002</td>
<td>Male</td>
<td>Tin</td>
<td>18 to 20</td>
<td>3109</td>
</tr>
<tr>
<td>34083-0002</td>
<td>Female</td>
<td>Tin</td>
<td>18 to 20</td>
<td>3109</td>
</tr>
</tbody>
</table>