TE Connectivity’s (TE) Open Compute Project (OCP) bus bar clip and cable assemblies are designed to meet the OCP power distribution architecture standard to support Cubby Three-Bay Shelf for Open Rack V2 Architect. The OCP bus bar clip and cable assembly provides a simple yet customizable design that enables a standardized platform capable of efficiently distributing 120A of power per UL and CSA criteria, which offers improved electrical performance.

**Efficient and Reliable Power Distribution**
- Reduces the number of bus bars in a rack from three to one, saving costs and streamlining the power distribution architecture.
- Distributes up to 120A of power per UL and CSA criteria from a single bus bar to an Open Rack V2 Sled design.
- Reliable contact crimp connection helps eliminate power loss with a maximum contact resistance of 0.2 milliohms and is designed for hot-pluggable applications, which minimizes unwanted system downtime.
- Anti over-stress feature helps to ensure the contact is protected to avoid any kind of damage caused by over-deflection during mating or unmating.

**Quick Installation**
- CROWN CLIP Jr. connectivity is designed to connect with a system rack bus bar and allows direct hot pluggable connection to an un-insulated bus bar.
- CROWN CLIP Jr. connectors allow misalignment of +/- 0.75mm for quick connections to the bus bar.
- MULTI-BEAM XLE connectors feature a hot-pluggable three-beam contact system made from a new thicker and higher conductivity material.
- MULTI-BEAM XLE connectors feature new contact designs that allow for a greater angular misalignment between mating connectors and offers lower mating force.
Open Compute Project (OCP) Bus Bar Clip and Cable Assemblies
Featuring CROWN CLIP Jr. and MULTI-BEAM XLE Power Connectors

Ordering Information

<table>
<thead>
<tr>
<th>TE Part Number</th>
<th>Description</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>2820303-2</td>
<td>V2 Bus Bar Clip and Cable Assembly</td>
<td>Three-bay Shelf for V2 Open Rack Storage i.e. Cubby</td>
</tr>
<tr>
<td>2159562-1</td>
<td>MULTI-BEAM XLE Panel Mount to Press-Fit Power Cable Assembly</td>
<td>Power delivery to Cubby SLED, subsystems for storage, compute, etc.</td>
</tr>
<tr>
<td>2159443-1</td>
<td>MULTI-BEAM XLE Panel Mount to Squeeze Release</td>
<td>Power delivery to Cubby SLED direct or via Interposer Board, subsystems for storage, compute, etc.</td>
</tr>
</tbody>
</table>

Additional Product Features

- High conductivity copper alloy / bifurcated contact design provides current distribution capability 120A
- Thermoplastic glass reinforced insulator materials allow for operating temperature rated -25°C to +125°C
- Multiple contact configurations to support 20A low power up to 50A higher power applications
- New contact designs allow for a greater angular mis-alignment between mating connectors and offers lower mating force
- All materials UL and CSA certified
- RoHS compliant
Open Compute Project (OCP) Bus Bar Clip and Cable Assemblies
Featuring CROWN CLIP Jr. and MULTI-BEAM XLE Power Connectors

Associated Products

<table>
<thead>
<tr>
<th>Products</th>
<th>Wire Size</th>
<th>Current Rating</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>MULTI-BEAM XLE Cable Receptacles</td>
<td>26-8 AWG</td>
<td>up to 50A</td>
<td>Low, high power options in same connector</td>
</tr>
<tr>
<td>ET POWER Connectors</td>
<td>14-10 AWG</td>
<td>up to 35A</td>
<td>Low profile</td>
</tr>
<tr>
<td>RAPID LOCK Bus Bar Connectors</td>
<td>12-0 AWG</td>
<td>50-250A</td>
<td>Bus bar quick connect/disconnect</td>
</tr>
<tr>
<td>High Current Universal MATE-N-LOK Connectors</td>
<td>30-10 AWG</td>
<td>up to 35A</td>
<td>Panel mount or free hanging versions</td>
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<tr>
<td>AMP Power Series Connectors</td>
<td>300MCM-0 AWG</td>
<td>15-275A</td>
<td>Single and 2 pole quick connect/disconnect</td>
</tr>
<tr>
<td>Wave Crimp Connectors</td>
<td>Flat Cable</td>
<td>40-110A</td>
<td>Flat</td>
</tr>
</tbody>
</table>

For More Information

TE Technical Support Center

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