EXTreme Power™ Products
The need for high-current power interconnect solutions in increasingly smaller space continues to rise rapidly. Solving this power equation on new architectures and system platforms has been a major focus for Molex product development teams. The new Molex EXTreme Power™ family of products is the direct result of listening intently to our customers’ electrical and mechanical design challenges. Since no two applications are the same, the Molex EXTreme Power™ offering is comprised of several product families that cover a wide range of current densities, mechanical envelopes, mating terminations and configuration choices that give system designers the ability to maximize their power interconnect needs.
FEATURES AND SPECIFICATIONS

EXTreme Power™ Products

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The **EXTreme LPHPower™ Connector** is a mixed, high-current power and signal connector system that picks up where traditional connectors leave off. Designed with power blades parallel to the PC board, its extremely low-profile height of only 7.50mm (.295") allows greater system airflow while taking up 53% less space than traditional connectors with the same current rating. Designed as a new generation of power interconnect, Molex’s EXTreme LPHPower™ connector provides up to 127.0A per linear inch of space, has two isolated power blades in each housing bay and can be mated in a right angle, co-planar or vertical orientation. EXTreme LPHPower™ can be mated in a traditional two-piece connector system, or as a one-piece receptacle-to-cardedge / bus bar application.

### Features and Benefits
- Low-profile design, 7.50mm height enhances system airflow and provides 127.0A per linear inch
- Receptacle sides mates to either our standard LPH plug or an industry standard 1.57mm PBC gold finger card edge
- Rated for current interruption hot-plugging requirements
- Rugged signal and power contacts reduce the potential for stubbing or damage
- Two isolated power contacts per housing bay (top and bottom)
- Tested per EIA-364-1000.01
- Last-mate/first-break available on power contacts

### Specifications

#### Reference Information
- **Packaging:** Tray or Tube
- **UL File No.:** E29179
- **CSA File No.:** LR19980
- **Designed In:** Millimeters

#### Electrical
- **Voltage:** 250V max.
- Current (at 30° C Temperature rise):
  - Power — 30.0A max.
  - Signal — 1.0A max.
- Contact Resistance (per contact):
  - **Initial**
    - Power (milliohms) — 0.50
    - Signal (milliohms) — 6.24
  - **End of Life**
    - Power (milliohms) — 0.64
    - Signal (milliohms) — 8.34
- **Dielectric Withstanding Voltage:** 1500V
- **Insulation Resistance:** 5000 Megohms min.
- **Current interruption:**
  - Power — 30.0A and 48V DC
  - Signal — 1.0A at 30V

#### Mechanical
- **Mating Force (max. per circuit):**
  - Power Contacts — 6.87N (1.54 lb)
  - Signal Contacts — 1.08N (0.24 lb)
- **Un-mating Force (max per circuit):**
  - Power Contacts — 5.88N (1.32 lb)
  - Signal Contacts — 0.02N (0.03 lb)
- **Durability:** 250 cycles (Receptacle and Plug)

#### Physical
- **Housing:** LCP
- **Contact:**
  - Power Contacts - Copper (Cu) Alloy
  - Signal Contacts — Phosphor Bronze

#### Plating:
- Contact Area — Select Gold
- Solder Tail Area — Tin
- Underplating — Nickel
- **Flammability Rating:** UL-94V-0

#### Documents
- **Sales Drawings:** SD-45984-XXX, SD-45985-XXX, SD-46114-XXX, SD-46112-XXX, SD-46113-XXX
- **Product Specs:**
  - Right Angle — PS-45984-001
  - Vertical — PS-46114-001
- **Application Tooling:**
  - Vertical ATS — 62100-6300, 62201-8671, 62201-8672

#### Ordering Information

<table>
<thead>
<tr>
<th>Series</th>
<th>Description</th>
<th>Power Circuit</th>
<th>Signal Circuit</th>
<th>Guide</th>
<th>Board Peg</th>
<th>PCB Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>45984</td>
<td>Right Angle Receptacle</td>
<td>4 to 10</td>
<td>12 to 40</td>
<td>Optional</td>
<td>Optional</td>
<td>1.57, 2.36, 6.35mm (.062, .093, .250&quot;)</td>
</tr>
<tr>
<td>46114, 46112, 46113</td>
<td>Vertical Receptacle</td>
<td>2 to 14</td>
<td>12 to 40</td>
<td>Optional</td>
<td>N/A</td>
<td>1.57mm min. (.062&quot;)</td>
</tr>
<tr>
<td>45985</td>
<td>Right Angle Plug</td>
<td>4 to 10</td>
<td>12 to 40</td>
<td>Optional</td>
<td>Optional</td>
<td>1.57, 2.36, 6.35mm (.062, .093, .250&quot;)</td>
</tr>
</tbody>
</table>

*Complete part numbers can be found at www.molex.com/link/ext-power.html
FEATURES AND SPECIFICATIONS

EXTreme PowerPlus™ (SSI) Connector is an expandable power and signal connector that conforms to the Server System Infrastructure (SSI) open specification as well as many other power and signal combinations beyond the configurations covered in the SSI standard. EXTreme PowerPlus™ (SSI) is a connector system rated at 30.0 A per power blade and can be specified in power and signal combinations to suit the application.

Features and Benefits
- Industry standard (SSI) power interconnect
- AC blade pitch 7.62mm, DC blade pitch 6.35mm and 5.08mm, Signal pin pitch 2.54 mm
- Rated for current interruption hot-plugging requirements
- Many AC, DC, and signal configurations available, plus many more upon request
- Fully shrouded plug and receptacle contacts
- Solder and press-fit PCB mounting available
- Last-mate/first-break available on both power and signal contacts

SPECIFICATIONS

Reference Information
Packaging: Tray
UL File No.: E29179
CSA File No.: LR19980
TUV: R50078473
Designed In: Millimeters

Electrical
Voltage: 250 and 600V max. based on spacing
Rated for current interruption hot-plugging requirements

Mechanical
Mating Force (max per circuit):
Power Contacts — 0.709kg (1.56 lb)
Signal Contacts — 0.102kg (0.22 lb)
Un-mating Force (max per circuit):
Power Contacts — 0.227kg (0.50 lb)
Signal Contacts — 0.010kg (0.023 lb)
Durability: 100 cycles

Physical
Housing: LCP
Contact:
Power Contacts - Copper Alloy
Signal Contacts — Copper Alloy
Plating:
Contact Area — Select Gold
Solder Tail Area — Tin
Underplating — Nickel
Flammability Rating: UL 94V-0

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Series*</th>
<th>Power Blade Pitch</th>
<th>Signal Pin Pitch</th>
<th>Board Mounting Styles</th>
<th>Configurations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7.62mm (.030&quot;)</td>
<td>2.54mm (.100&quot;)</td>
<td>Solder Tail, Press-Fit</td>
<td>Many power/signal combinations are currently standard offerings. If a desired configuration is not listed, please contact Molex.</td>
</tr>
<tr>
<td></td>
<td>6.35mm (.250&quot;)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5.08mm (.200&quot;)</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

See Series Selector

*Complete part numbers can be found at www.molex.com/link/exit-power.html
## Molex EXTreme PowerPlus Selection Chart

<table>
<thead>
<tr>
<th>Power/Signal Configurations</th>
<th>SSI Standards</th>
<th>6.35mm Power Pitch</th>
<th>5.08 Power Pitch</th>
<th>No Guide Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>S - Pb</td>
<td>Contact Molex for Design Options</td>
<td>87663 – Right Angle Through Hole Header&lt;br&gt;87664 – Right Angle Through Hole Receptacle&lt;br&gt;87744 – Vertical Press-Fit Receptacle&lt;br&gt;87734 – Vertical Through Hole Receptacle</td>
<td>Contact Molex for Design Options</td>
<td>Contact Molex for Design Options</td>
</tr>
</tbody>
</table>
The EXTreme Ten60 Power™ Connector features the highest square-inch current density of any power connector system that Molex has developed. A low 10.00mm (.394") profile, coupled with high-capacity power blades, allows this interconnect to target smaller power supply architectures that deliver very high current in limited spaces where airflow can otherwise be restricted by larger connectors. Optional guides can be placed on each end at traditional side locations, or on top of the connector to save valuable PC board real estate. Power and signal modules can be placed in any location.

Features and Benefits

- Low-profile design of 10.00mm height enhances system airflow and provides 278.0A per linear inch
- Modular assembly for virtually any design configuration including wire-to-board options
- Right-angle and vertical mounting available for either coplanar or perpendicular applications
- Robust, high-current contact blades for DC (5.50mm pitch) and AC (7.50mm pitch) spacing options
- Rated for current interruption
- Connectors comply to EIA-364-1001.01 and MFG test procedures
- Last-mate/first-break available on both power and signal contacts
- 60.0A per power blade

### SPECIFICATIONS

**Reference Information**
- Packaging: Tray
- UL File No.: E29179
- CSA File No.: LR19880
- TUV: R 72081037
- Designed In: Millimeters

**Electrical**
- Voltage: Power - 600V max.
- Current (at 30°C Temperature rise):
  - Power — 60.0A max.
  - Signal — 2.5A max.
- Contact Resistance (per contact):
  - Power (milliohms) — 0.50 0.75 max change
  - Signal (milliohms) — 6.50 15.00 max change
- Dielectric Withstanding Voltage: 1500V
- Insulation Resistance: 5000 Megohms min.
- Current interruptions rating:
  - Power — Contact Molex
  - Signal — Contact Molex

**Mechanical**
- Pitch:
  - Power — 5.50 or 7.50mm
  - Signal — 2.54 by 2.45mm
- Mating Force (max. per circuit):
  - Power Contacts — 500g (1.102 lb)
  - Signal Contacts — 102g (.225 lb)
- Un-mating Force (min. per circuit):
  - Power Contacts — 400g (.882 lb)
  - Signal Contacts — 30g (.066 lb)
- Durability: 100 cycles

**Physical**
- Housing: 30% glass filled LCP
- Contact:
  - Power Contacts - Copper Alloy
  - Signal Contacts — Copper Alloy
- Plating:
  - Contact Area — Select Gold
  - Solder Tail Area — Tin
  - Underplating — Nickel
- Flammability Rating: UL 94V-0
- RoHS compliant

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Series*</th>
<th>Description</th>
<th>Power Circuits</th>
<th>Signal Circuits</th>
<th>Guide</th>
<th>Board Peg</th>
<th>PCB Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>46436</td>
<td>Right Angle Receptacle</td>
<td>1 to 10</td>
<td>6 to 36</td>
<td>Side or Top Options available</td>
<td>Optional</td>
<td>1.57 to 3.81mm</td>
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<tr>
<td>46562</td>
<td>Vertical Receptacle</td>
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<td>(.062 to .150&quot;)</td>
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<tr>
<td>46437</td>
<td>Plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

*Complete part numbers can be found at www.molex.com/link/ext-power.html
**Temperature Rise vs. Current per EIA-364-70**

**V-drop (max) vs. Current per EIA-364-70**
The EXTreme PowerMass™ Connector is the ultimate high-current power interconnect system. Designed as a modular, stiffener-based system, EXTreme PowerMass™ is like no other power connector in the industry. Multiple capacity power modules and wide signal count capability allows EXTreme PowerMass™ to put big power where you need it without wasting board space. Robust 150.0, 80.0 and 40.0A power modules cater to mixed current levels yielding optimal sizing of the connector system. EXTreme PowerMass™ offers up to 380.0 A per inch of PCB real estate while signal modules range from 24 to 64 circuits and hefty, die-cast guidance modules round out the design options. Since EXTreme PowerMass™ can be assembled on a metal stiffener backbone, modules can be placed in any position and just about any centerline spacing giving you complete freedom to pack your design as tightly as possible, or open the spacing between any or all of the modules to enhance system airflow. If your application calls for only one or two modules, EXTreme PowerMass™ modules can be mounted individually without the use of the stiffener.

Features and Benefits
- Up to 380.0A per linear inch at only 25.00mm tall
- Individual modules available with board-mount pegs and sequential mating
- Flexible modular design can accommodate connectors of various lengths
- Rugged stiffener based assembly allows variable pitch module-to-module for maximum airflow considerations
- Durable die-cast aligner guides
- Right-angle receptacles available for 150.0A, 24-circuit signal and aligner guides for co-planer applications

SPECIFICATIONS

Contact Resistance (milliohms per blade):

<table>
<thead>
<tr>
<th></th>
<th>Initial</th>
<th>End of Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal Module</td>
<td>10.0</td>
<td>20.0</td>
</tr>
<tr>
<td>Multi-Path</td>
<td>0.55</td>
<td>1.30</td>
</tr>
<tr>
<td>150.0A Module</td>
<td>0.16</td>
<td>0.41</td>
</tr>
<tr>
<td>80.0A Module</td>
<td>0.55</td>
<td>1.30</td>
</tr>
<tr>
<td>40.0A Module</td>
<td>0.55</td>
<td>1.30</td>
</tr>
</tbody>
</table>

Dielectric Withstanding Voltage: No breakdown

Insulation Resistance: 5000 Megohms min.

Mechanical

Mating Force:
- **Signal Module**: 120g (.264 lb) per pin
- **150.0A Module**: 2600g (5.732 lb)
- **Multi-Path**: 2920g (6.437 lb)
- **80.0A Module**: 1460g (3.218 lb)
- **40.0A Module**: 730g (1.609 lb)

Un-mating Force:
- **Signal Module**: 65g (.143 lb)
- **150.0A Module**: 1720g (3.791 lb)
- **Multi-Path**: 1600g (3.527 lb)
- **80.0A Module**: 800g (1.763 lb)
- **40.0A Module**: 400g (.881 lb)

Contact Retention: 225g (.496 lb)

Durability: 50 cycles

Physical

Housing: LCP

Contact: Copper (Cu) Alloy

Plating:
- **Contact Area**: 30µ” Gold min.
- **Solder Tail Area**: 150µ” Tin min.

Underplating: 50µ” Nickel min.

Flammability Rating: UL 94V-0

Documents

Sales Drawings: SD-75555-XXXX,
SD-75541-XXXX, SD-45840-XXXX

Product Specs: PS-75431-999

Application Spec: AS-75541-100

ORDERING INFORMATION

<table>
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<tr>
<th>Series*</th>
<th>Description</th>
<th>Modules</th>
<th>PCB Tails</th>
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<tbody>
<tr>
<td>75555</td>
<td>Plug</td>
<td>Signal, 150.0, 80.0 and 40.0A Multi-Path and Die-Cast Aligners</td>
<td>Solder Tail</td>
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<tr>
<td>75541</td>
<td>Vertical Receptacle</td>
<td>Signal, 150.0, 80.0 and 40.0A Multi-Path and Die-Cast Aligners</td>
<td>Press-Fit</td>
</tr>
<tr>
<td>45840</td>
<td>Right Angle Receptacle</td>
<td>24-circuit Signal, 150.0A and Plastic Aligners</td>
<td>Solder</td>
</tr>
<tr>
<td>46081, 46079, 75542, 75545, 75547, 75556, 75561, 75568</td>
<td>Individual Modules</td>
<td>40.0A, 80.0A, 150.0A, Multi-Path, Signal</td>
<td>Solder Tail, Press-Fit</td>
</tr>
</tbody>
</table>

*Complete part numbers can be found at www.molex.com/link/ext-power.html
**FEATURES AND SPECIFICATIONS**

The **EXTreme PowerEdge™ Connector** incorporates proven Molex design elements of high-performance terminal contacts with redundant interface points for optimum mating of double-sided card edge gold fingers. EXTreme PowerEdge™ offers 40.0A rating per contact, and 157.0 A per inch of PC board real estate. It is an excellent low profile power card edge interface for applications where rugged single piece mating to a cardedge or bus bar is needed and where space is at a premium. EXTreme PowerEdge™ is available in power only, signal only, and power/signal combinations for design flexibility.

**Features and Benefits**
- Low-profile design allows high current transfer in narrow spaces
- Mates to a 1.57mm (0.62”) PCB card edge or bus bar
- Rated for current interruption hot-plugging requirements
- Rugged power and signal contacts reduce the potential for stubbing or damage
- 2 isolated power contacts or 8 signal contacts per housing segment
- Available in 2, 3, and 4 segment versions
- Press-fit or solder tail PCB mounting
- End-to-end stackable to accommodate additional circuit counts on card edge

**SPECIFICATIONS**

**Reference Information**
- Packaging: Tray
- UL File No.: E29179
- CSA File No.: LR19980
- TUV: R 72042763
- Designed In: Millimeters

**Electrical**
- Voltage: 250V max in standard contact loading
  (Higher voltages may be accommodated through special contact loading — contact Molex)
- Current (at 30°C Temperature rise):
  - Power — 40.0A max.
  - Signal — 3.0A max.
- Contact Resistance (per contact):
  | Power (milliohms) | Initial | End of Life |
  |------|--------|
  | Power | 0.5    | 0.6 max change |
  | Signal| 6.24   | 15 max change  |
- Dielectric Withstanding Voltage: 1500V
- Insulation Resistance: 5000 Megohms min.
- Current interruption:
  - Power — 40.0A and 50V DC

**Mechanical**
- Mating Force (max per contact):
  - Power Contacts — 8.87N (2.0 lb)
  - Signal Contacts — 1.4N (0.31 lb)
- Un-mating Force (max per circuit):
  - Power Contacts — 4.4N (1.0 lb)
  - Signal Contacts — 0.14N (0.031 lb)
- Durability: 50 cycles

**Physical**
- Housing: LCP
- Contact:
  - Power Contacts - Copper Alloy
  - Signal Contacts — Copper Alloy
- Plating:
  - Contact Area — Select Gold
  - Solder Tail Area — Tin
  - Underplating — Nickel
- Flammability Rating: UL 94V-0

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Connector Series Description</th>
<th>Press-Fit Series*</th>
<th>Solder Tail Series*</th>
<th>Number of Segments</th>
<th>Number of Contacts per Segment</th>
<th>Solder Tail Pin Lengths</th>
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</thead>
<tbody>
<tr>
<td>Power only</td>
<td>45714</td>
<td>45719</td>
<td>2 to 4</td>
<td>2</td>
<td>3.19 and 4.33mm</td>
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<tr>
<td>Signal only</td>
<td>45845</td>
<td>45844</td>
<td>2 to 4</td>
<td>8</td>
<td>3.19 and 4.33mm</td>
</tr>
<tr>
<td>Power and Signal</td>
<td>45912</td>
<td>45911</td>
<td>2 to 4</td>
<td>2 Power or 8 Signal</td>
<td>3.19 and 4.33mm</td>
</tr>
</tbody>
</table>

*Complete part numbers can be found at www.molex.com/link/ext-power.html
**FEATURES AND SPECIFICATIONS**

**EXTreme PowerEdge™ Card Edge Hybrid Power Connector**

### EXTreme PowerEdge™, Dual Sided

**T-Rise Current Chart**

- **T-Rise - (Deg °C)**
- **Current (Amps)**

#### EXTreme PowerEdge™ Connector System, Durability

- **Cumulative Percentage (%)**
- **Change in Resistance (mΩ)**

---

8 Circuits (4 Segments)

4 Circuits (2 Segments)

1 Circuit (1 Segment)

△ 50 Cycles

✗ 25 Cycles
The EXTreme MicroPower™ High-Current Header can be used in VRM / DC-DC converters or any board-to-board application where power transfer is needed through a non-separable interface in a compact design. EXTreme MicroPower™ offers extremely high current density, rated at 16.0A per blade at 30°C temperature rise on a 4.00mm pitch, its low profile design of 4.17mm (.164”) off the PCB enhances system airflow. EXTreme MicroPower™ is available in both right angle and vertical (mezzanine) mounting configurations, and is an excellent choice to replace old fashioned, low capacity stick headers.

**Features and Benefits**
- Compact, direct solder high current power blades for VRM, and other point of load applications
- 16.0A per blade at 30°C temperature rise (22 circuits loaded)
- 4.00mm pitch standard (optional voided circuits available)
- 4 to 24 circuits, single inline row configuration
- Very low 4.17mm x 4.00mm right angle profile
- 7.00 and 10.00mm stack heights on vertical version
- Slotted via for maximum current transfer

**Specifications**

### Reference Information
- Packaging: Tray
- UL File No.: E29179
- Designed In: Millimeters

### Electrical
- Voltage: 250V max (Right Angle), 350V max (Vertical)
- Current (@ 30°C Temperature rise): 22 Circuit — 16.0A max. (per blade)
- Dielectric Withstanding Voltage: 1500V DC (Right Angle), 1750V AC (Vertical)
- Insulation Resistance: 5000 Megaohms min. (Right Angle), 1000 Megaohms min. (Vertical)

### Physical
- Housing: LCP
- Contact: Copper Alloy
- Plating: Overall: 100µ” Select Matte Tin min. Underplating — 50µ” Nickel min.
- Flammability Rating: UL 94V-0

### Documents
- Sales Drawings: SD-75730-118, SD-87094-100
- Product Specs: PS-75730-999, PS-87094-010

**Ordering Information**

<table>
<thead>
<tr>
<th>Series</th>
<th>Description</th>
<th>Circuits</th>
<th>Stack Heights</th>
<th>Solder tail lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>75730</td>
<td>Right Angle</td>
<td>4 to 24</td>
<td>N/A</td>
<td>Riser card side 2.60mm / Motherboard side 3.06 or 3.81mm</td>
</tr>
<tr>
<td>78094</td>
<td>Vertical</td>
<td>2 to 22</td>
<td>7.00 and 10.00mm</td>
<td>Mezzanine card side 2.60mm / Motherboard side 3.70mm</td>
</tr>
</tbody>
</table>

*Complete part numbers can be found at www.molex.com/link/ext-power.html*
The **EXTreme ZPower™ Connector** utilizes a unique, interface for mezzanine style power connections. Anchored to the base board with press-fit power pins, the top board is screwed securely down from the top. EXTreme ZPower™ not only transfers power between boards, but can double as an effective stand-off. Available with both 30.0 and 50.0A versions, EXTreme ZPower™ can be used in a variety of applications and industries where power connection between parallel boards or bus bars is necessary in a condensed space.

**Features and Benefits**
- Patented internal terminal design allows a rigid, secure interface while helping to isolate press-fit pins from the load of shock and vibration
- Screw-contact interface can accept standard wire-crimp, ring-lug terminals for wire-to-board applications (Tin plating for use with ring lug terminal connection)
- Captured internal nut for ease of assembly
- High normal force, high-reliability interface
- One piece ridged board-to-board high current interconnect
- Hertzian (high-pressure) contact areas create a reliable (gas-tight) mating surface

**SPECIFICATIONS**

**Reference Information**
Packaging: Tray
CSA/CUS File No.: 1792321
Designed In: Millimeters

**Electrical**
Voltage: 250V max
Current (@ 30°C Temperature rise):
  - 10 Circuit — 50.0A max.
  - 6 Circuit — 30.0A max.
Contact Resistance (per blade):
  - Initial Power (milliohms) — 0.15
  - End of Life 0.10 max. Change
Dielectric Withstanding Voltage: 1500V DC
Insulation Resistance: 5000 Megaohms min.

**Mechanical**
Insertion Force to PCB: 9.07N (20lbf) per tail
Recommended Torque: 0.75 N-m (6.6 inch-lbs)
Durability: 5 cycles mate/un-mate (separable interface)

**Physical**
Housing: LCP
Contact: Copper (Cu) Alloy
Plating:
  - Contact Area — 30µ" Gold min.
    or 100µ" Select Matte Tin min.
  - Solder Tail Area — 100µ" Select Matte Tin min.
  - Underplating — 50µ" Nickel min.
Flammability Rating: UL 94V-0

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Series*</th>
<th>Description</th>
<th>Current</th>
<th>Plating</th>
<th>Mating PCB Thickness</th>
<th>Press-Fit PCB Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>76001</td>
<td>10 Tail Connector</td>
<td>50.0A</td>
<td>Gold or Tin</td>
<td>0.063&quot;</td>
<td>0.093” min.</td>
</tr>
<tr>
<td>76001</td>
<td>6 Tail Connector</td>
<td>30.0A</td>
<td></td>
<td>0.093&quot;</td>
<td></td>
</tr>
</tbody>
</table>

*Complete part numbers can be found at www.molex.com/link/ext-power.html
## Molex EXTreme Power™ Density Chart

<table>
<thead>
<tr>
<th>EXTreme Power™ Family</th>
<th>Image</th>
<th>UL/CSA Current Rating/Power Blade (Amps)</th>
<th>Amperes per Linear Board Edge Inches (cm)</th>
<th>Connector Face Height Inches (mm)</th>
<th>Amperes per Sq. Face Area Inches (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXTreme LPHPower™</td>
<td><img src="image1" alt="Image" /></td>
<td>30.0</td>
<td>127 50.00</td>
<td>.295 (7.50)</td>
<td>431 (67.00)</td>
</tr>
<tr>
<td>EXTreme PowerEdge™</td>
<td><img src="image2" alt="Image" /></td>
<td>40.0</td>
<td>157 62.00</td>
<td>.354 (9.00)</td>
<td>445 (68.00)</td>
</tr>
<tr>
<td>EXTreme Ten50Power™</td>
<td><img src="image3" alt="Image" /></td>
<td>60.0</td>
<td>278 109.00</td>
<td>.394 (10.00)</td>
<td>705 (109.00)</td>
</tr>
<tr>
<td>EXTreme PowerDock™</td>
<td><img src="image4" alt="Image" /></td>
<td>45.0</td>
<td>153 60.00</td>
<td>.550 (14.00)</td>
<td>277 (43.00)</td>
</tr>
<tr>
<td>EXTreme PowerPlus™ (SSI)</td>
<td><img src="image5" alt="Image" /></td>
<td>30.0</td>
<td>120 47.00</td>
<td>.590 (15.00)</td>
<td>203 (31.00)</td>
</tr>
<tr>
<td>EXTreme PowerMass™</td>
<td><img src="image6" alt="Image" /></td>
<td>150.0</td>
<td>380 150.00</td>
<td>1.02 (25.90)</td>
<td>372 (58.00)</td>
</tr>
<tr>
<td>EXTreme MicroPower™</td>
<td><img src="image7" alt="Image" /></td>
<td>16.0</td>
<td>102 40.00</td>
<td>.165 (4.20)</td>
<td>618 (96.00)</td>
</tr>
<tr>
<td>EXTreme ZPower™</td>
<td><img src="image8" alt="Image" /></td>
<td>50.0</td>
<td>138 54.00</td>
<td>.641 (16.30)</td>
<td>215 (33.00)</td>
</tr>
</tbody>
</table>