STAC64™
UNSEALED CONNECTOR SYSTEM

A stackable connection system for unsealed applications, providing single and multi-pocket PCB solutions, offering a diverse range of circuit sizes

Get more insights at: http://www.molex.com/link/stac64.html
Stackable connection system provides single and multi-pocket PCB solutions, offering a diverse range of circuit sizes and greatly reducing time-to-market by completely eliminating custom tooling; female connectors feature only pressure-activated design in the industry.

The Stac64™ connection system allows OEM and device manufacturers to maximize design flexibility in supporting both low-level signal requirements as well as power applications upwards of 30.0A. The Stac64 system allows automotive manufacturers to use header assemblies as stand-alone components, to gang multi-bay headers together to support a large range of signal and power needs for devices and modules.

The standard product line based on the 0.64mm (.025”) terminal includes: 8-, 12-, 16- and 20-circuit connectors in both vertical and right-angle headers supporting low-level signal requirements. Additional “power pocket” versions come in 10-circuit power applications for 1.50 and 2.80mm (.059” and .110”) terminal systems and is extended to include 14-circuit hybrid power receptacle that uses 10 x 0.64mm and 4 x 2.80mm terminals, together with vertical and right-angle hybrid power headers, available in all 3 USCAR polarization options (black, brown and grey color coding).

This Stac64 is a standard product system based on USCAR-2 Class II mechanical and electrical performance characteristics for unsealed connector applications. Since its launch Molex has undertaken the validation of the Stac64 product line towards all key Automotive OEM specifications surpassing the most stringent requirements. The connectors mate to existing wire-harness connectors designed to the USCAR/EWCAP industry footprints. Designed originally as a standard product system for unsealed connector applications, the Stac64 design has since secured new patents relating to the stackable header.

The Stac64 standard product offering is currently toolled in high cavitation and is fully validated at the single and multi-bay levels. This greatly reduces time-to-market by completely eliminating the need for additional tooling. Contact Molex or visit http://www.molex.com/link/stac64.html for more information.

**Applications**

**Driver Interface**
- Door Lock Switches
- Window Switches
- HVAC
- Power Seats
- Heated Seats
- Instrument Clusters

**Lighting/Mirrors/Safety**
- Dome Lighting
- Interior Lighting
- Rearview Mirrors
- Side Mirrors
- Safety Cameras

**Infotainment**
- Radios
- Amplifiers
- Speakers
- Navigation
- Telematic Devices
- Driver Entertainment
  - (audio players)
  - DVD Players
  - LVDS Displays

STAC64™ UNSEALED CONNECTOR SYSTEM

34729 Female Signal Receptacle
34803 CTX64 0.64mm (.025”) Female Crimp Terminal
31372 10-Circuit Hybrid Power Receptacle
34969 14-Circuit Hybrid Power Receptacle
33012 MX150 1.50mm (.059”) Female Crimp Terminal
34690 Vertical Single-Bay Signal Header
34691 Right Angle Single-Bay Signal Header
34695 10-Circuit Vertical Single-Bay Hybrid Power Header
34772 14-Circuit Vertical Single-Bay Hybrid Power Header
34696 10-Circuit Right Angle Single-Bay Hybrid Power Header
34773 14-Circuit Right Angle Single-Bay Hybrid Power Header
34708 Right Angle Ganged Multi-Bay Headers
34707 Vertical Ganged Multi-Bay Headers
34997 Right Angle Ganged Multi-Bay Headers PAP Version
### Unsealed Capabilities

<table>
<thead>
<tr>
<th>Description</th>
<th>Signal</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature Range</td>
<td>-40°C to +105°C</td>
<td></td>
</tr>
<tr>
<td>Current Carrying Capacity</td>
<td>0.64mm (.025&quot;) 10A</td>
<td></td>
</tr>
<tr>
<td>(See Derating Curves below)</td>
<td>1.50mm (.059&quot;) 20A</td>
<td></td>
</tr>
<tr>
<td>Terminal Pitch</td>
<td>2.54mm (.10&quot;)</td>
<td></td>
</tr>
<tr>
<td>(Mating Seal Product)</td>
<td>1.5 1.50mm (.059&quot;)</td>
<td></td>
</tr>
<tr>
<td>2.80mm (.110&quot;) 2.8 1.25mm (.05&quot;)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Features and Benefits
- Pre-assembled TPA to receptacle housing shipped as single assembly provide applied labor and cost savings
- Using 0.64mm terminal for signal current applications

### Specifications

#### REFERENCE INFORMATION
- Packaging: Female Receptacle Connectors – Bulk Pack
- Designed In: Millimeters

#### ELECTRICAL
- Voltage: 500V max.
- Current: 0.64mm (.025") – 6.0A max.
- Contact Resistance: 0.64mm (.025") – 20 milliohms max.
- Dielectric Withstanding Voltage: 500V DC
- Isolation Resistance: 20 Megohms min.

#### MECHANICAL
- Connector Retention (Primary latch): 110N (24.7 lb) min.
- Contact Retention to Housing: 0.64mm (.025") – 75N (16.9 lb) min. with TPA, 30N (6.7 lb) without TPA
- Contact Insertion Force Into Housing: 30N (6.7 lb) max.
- Connector Audible Feedback: 7dB over ambient
- Durability: 10 milliohms max. – 10 cycles TPA Insertion Force: 60N (13.5 lb) max.
- TPA Extraction Force: 60N (13.5 lb) max.
- Thermal Shock (Class 2, 100 cycles): 0.64mm (.025") – 20 milliohms max.
- Vibration/Mechanical Shock (electrical): 0.64mm (.025") – 20 milliohms max.
- High Temperature Exposure (electrical): 0.64mm (.025") – 20 milliohms max.
- Mating Force: 60N max.

#### PHYSICAL
- Harness Housings: Glass filled PBT
- TPA: 15% glass filled polyester

### Ordering Information

#### FEMALE SIGNAL RECEPTACLE CONNECTORS

<table>
<thead>
<tr>
<th>Circuit Size</th>
<th>Order No.</th>
<th>Polarization Option</th>
<th>Color</th>
<th>Use With</th>
<th>Mates With</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>34729-0080</td>
<td>A</td>
<td>Black</td>
<td></td>
<td>Series 34803</td>
</tr>
<tr>
<td></td>
<td>34729-0081</td>
<td>B</td>
<td>Gray</td>
<td></td>
<td>34708, 34977</td>
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<tr>
<td></td>
<td>34729-0082</td>
<td>C</td>
<td>Brown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>34729-0120</td>
<td>A</td>
<td>Black</td>
<td></td>
<td>Series 34803</td>
</tr>
<tr>
<td></td>
<td>34729-0121</td>
<td>B</td>
<td>Gray</td>
<td></td>
<td>34708, 34977</td>
</tr>
<tr>
<td></td>
<td>34729-0122</td>
<td>C</td>
<td>Brown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>34729-0160</td>
<td>A</td>
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<td></td>
<td>Series 34803</td>
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<td></td>
<td>34729-0161</td>
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<td>Gray</td>
<td></td>
<td>34708, 34977</td>
</tr>
<tr>
<td></td>
<td>34729-0162</td>
<td>C</td>
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<td></td>
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<tr>
<td>20</td>
<td>34729-0200</td>
<td>A</td>
<td>Black</td>
<td></td>
<td>Series 34803</td>
</tr>
<tr>
<td></td>
<td>34729-0201</td>
<td>B</td>
<td>Gray</td>
<td></td>
<td>34708, 34977</td>
</tr>
<tr>
<td></td>
<td>34729-0202</td>
<td>C</td>
<td>Brown</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: All dimensions in millimeters.

### Current Carrying Capacity Curves

- **Ordinary Sn Receptacle to Stac64 Header, 20 and 22 AWG**
- **USCAR-2 Rev 4**

- **1.50mm 0.30mm Sn Receptacle to Stac64 Header, 14 to 22 AWG**
- **USCAR-2 Rev 4**

- **2.80mm Sn Receptacle to Stac64 Header, 10 to 22 AWG**
- **USCAR-2 Rev 4**

Note: Product Specification PS-34693-100, PS-34739-120 and PS-31372-100 available on molex.com

Electrical requirements validated to USCAR-21 and USCAR-2
Features and Benefits

- Pre-assembled TPA to receptacle housing shipped as single assembly provide applied labor and cost savings
- Hybrid configuration using 0.64mm, 1.5mm and 2.8mm terminals for signal and high current applications

Specifications

REFERENCE INFORMATION
Packaging: Female Receptacle Connectors – Bulk Pack
Mates With: Series 34695, 34696, 34772, 34773, 34707, 34708 and 34997 male unsealed headers
Use With Terminals:
- 1.50mm (.059") female – Molex 33012-2001, 2002, 2003, 3001, 3002, 3003
- 2.80mm (.110") female – Tyco and Yazaki
- 0.64mm (.025") female – Series 34803
Designed In: Millimeters

ELECTRICAL
Voltage: 500V max.
Current:
- 2.80mm (.110") – 30.0A max.
- 1.50mm (.059") – 22.0A max.
- 0.64mm (.025") – 6.0A max.
Contact Resistance:
- 2.80mm (.110") – 5 milliohms max.
- 1.50mm (.059") – 10 milliohms max.
- 0.64mm (.025") – 20 milliohms max.
Dielectric Withstanding Voltage: 500V DC
Isolation Resistance: 20 Megohms min.

MECHANICAL
Mating Force: Less than 75N (16.9 lb)
Connector Retention (Primary latch):
- 110N (24.7 lb) min.
Contact Retention to Housing:
- 2.80mm (.110") – 90N (20.2 lb) min.
- 1.50mm (.059") – 85N (19.1 lb) min.
- 0.64mm (.025") – 75N (16.9 lb) min.
Dielectric Withstanding Voltage: 500V DC
Isolation Resistance: 20 Megohms min.

PHYSICAL
Harness Housings: Glass filled
SPL/nylon blend
TPA: 15% glass filled polyester

Ordering Information

<table>
<thead>
<tr>
<th>Circuit Size</th>
<th>Order No.</th>
<th>Polarity Option</th>
<th>Color</th>
<th>Terminal Loading</th>
<th>Mates With</th>
<th>Use With</th>
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</thead>
<tbody>
<tr>
<td>10</td>
<td>31372-1000</td>
<td>A Grey</td>
<td>0.644mm, 1.5mm, 2.8mm</td>
<td>Series 34695, 34696, 34772, 34707, 34708 and 34997 Hybrid Terminals</td>
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<tr>
<td>14</td>
<td>34969-0140</td>
<td>A Red</td>
<td>0.644mm, 1.5mm, 2.8mm</td>
<td>Series 34772, 34707 and 34708 Hybrid Terminals</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: All dimensions in millimeters.

features and benefits

- Meets USCAR performance testing
- Low insertion force
- Strong crimps

Specifications

REFERENCE INFORMATION
Packaging: Terminals – Reel
Designed In: Millimeters

ELECTRICAL
Voltage: 300V max.
Current:
- 0.64mm (.025") – 6.0A max.
Contact Resistance: 0.64mm (.025") – 20 milliohms max.
Dielectric Withstanding Voltage: 500V DC
Isolation Resistance: 20 Megohms min.

MECHANICAL
Wire Pull-Out Force:
- 20 AWG – 75N (16.9 lb) min
- 22 AWG – 50N (11.2 lb) min
Contact: Copper Alloy
Plating:
- Overplating – Tin
- Underplating – Nickel
Insulation Diameter: 1.85 to 1.30mm (.073 to .051")
Wire Gauge: 0.85 to 0.22mm2 (20 to 24 AWG)

PHYSICAL
Durability: 10 milliohms max. – 10 cycles
TPA Insertion Force: 60N (13.5 lb) max.
TPA Extraction Force: 60N (13.5 lb) max.
TPA Insertion Force: 60N (13.5 lb) max.
TPA Extraction Force: 60N (13.5 lb) max.

Ordering Information

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Plating</th>
<th>Wire Gauge</th>
<th>Use With</th>
</tr>
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<tbody>
<tr>
<td>34969-0140</td>
<td>Tin</td>
<td>22 AWG</td>
<td>Series 34772 and 34997 Receptacles</td>
</tr>
<tr>
<td>34969-0141</td>
<td>20 AWG</td>
<td>Series 34803-3213, 3214, 3215, 3216, 3217 and 34997 Headers</td>
<td></td>
</tr>
</tbody>
</table>

Note: All dimensions in millimeters.
Features and Benefits

• Modular housing design with standard dovetail features molded into the housings allows headers to be ganged together in large assemblies to meet growing terminal quantity requirements
• High temperature thermoplastic housing for wave solder processing
• Hard plastic pin-alignment plate (PAP) for infra red (IR) reflow process up to 260°C and selective wave soldering
• PCB alignment posts ensure all terminals are properly aligned into PCB through-holes during assembly and solder processing

Specifications

REFERENCE INFORMATION
Packaging: Tray or Tube

ELECTRICAL
Voltage: 250V
Current: 6.0A max.

PHYSICAL
Contact: Copper Alloy
Plating: Tin

Ordering Information

<table>
<thead>
<tr>
<th>MX150 1.50mm (.059&quot;) FEMALE CRIMP TERMINAL</th>
<th>Plating</th>
<th>Wire Gauge</th>
<th>Use With</th>
<th>Mates With</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right Payoff, D Wound</td>
<td>33012-2001</td>
<td>14 to 18 AWG</td>
<td>Series: 31372, 34000, 34707, 34708, Hybrid Headers</td>
<td></td>
</tr>
<tr>
<td>Left Payoff, D Wound</td>
<td>33012-3001</td>
<td>18 to 20 AWG</td>
<td>Series: 31372, 34000, 34707, Hybrid Headers</td>
<td></td>
</tr>
</tbody>
</table>

REFERENCE INFORMATION
Packaging: Reel

ELECTRICAL
Voltage: 500V max.
Current: 6.0A max.

PHYSICAL
Contact: Copper Alloy
Plating: Overplating – Tin, Underplating – Nickel

Specifications

REFERENCE INFORMATION
Packaging: Reel

ELECTRICAL
Voltage: 250V
Current: 6.0A max.

PHYSICAL
Contact: Copper Alloy
Plating: Overplating – Tin, Underplating – Nickel

Difference between right-angle headers featuring a hard plastic Pin Alignment Plate (PAP Version) and standard Mylar (Mylar Version):
• Standard Mylar version only for standard wave soldering
• PAP Version for IR reflow process and selective wave soldering
### Ordering Information

**VERTICAL SINGLE-BAY SIGNAL HEADER**

<table>
<thead>
<tr>
<th>Circuit Size</th>
<th>Connector Length</th>
<th>Order No.</th>
<th>Polarization Option</th>
<th>Color</th>
<th>Mates With</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>18.80</td>
<td>34690-0080</td>
<td>B</td>
<td>Grey</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>23.88</td>
<td>34690-0120</td>
<td>A</td>
<td>Black</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>28.96</td>
<td>34690-0160</td>
<td>A</td>
<td>Black</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>34.04</td>
<td>34690-0200</td>
<td>A</td>
<td>Black</td>
<td></td>
</tr>
</tbody>
</table>

**RIGHT ANGLE SINGLE-BAY SIGNAL HEADER**

<table>
<thead>
<tr>
<th>Circuit Size</th>
<th>Connector Length</th>
<th>Order No.</th>
<th>Polarization Option</th>
<th>Color</th>
<th>Mates With</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>18.80</td>
<td>34690-0080</td>
<td>B</td>
<td>Grey</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>23.88</td>
<td>34690-0120</td>
<td>A</td>
<td>Black</td>
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<tr>
<td>16</td>
<td>28.96</td>
<td>34690-0160</td>
<td>A</td>
<td>Black</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>34.04</td>
<td>34690-0200</td>
<td>A</td>
<td>Black</td>
<td></td>
</tr>
</tbody>
</table>

### Features and Benefits

- Stackable connection system of readily available PCB headers ensure reduced time-to-market: engineering and validation times reduced significantly, no tooling necessary to produce custom multi-bay headers
- Pre-assembled, linear Mylar PC tail alignment strip for right-angle headers reduces PCB packaging complexity and provides space savings
- The header housings are molded in standard USCAR color schemes for additional polarizations to match harness connector color-coding scheme for visual aid in assembly

- Modular-housing design with standard dovetail features molded into the housings allows headers to be ganged together in large assemblies to meet growing terminal quantity requirements
- High temperature thermoplastic housing for wave solder processing
- PCB alignment posts ensure all terminals are properly aligned into PCB through-holes during assembly and retain header to PCB during assembly and solder processing

### Specifications

**REFERENCE INFORMATION**

- **Designed In: Millimeters**
- **Packaging: Tray or Tube**

**ELECTRICAL**

- **Voltage:** 500V max.
- **Current:**
  - 0.64mm (0.025") – 6.0A max.
  - 1.50mm (0.059") – 22.0A max.
  - 2.80mm (0.110") – 70N (15.7 lb) min.

**PHYSICAL**

- **Header Housings:** Glass filled SPS
- **Contact:** Copper Alloy
- **Plating:** Overplating – Tin Underplating – Nickel

**MECHANICAL**

- **Durability:** 10 million cycles – 15 cycles
- **Header Pin Retention Force:** 0.64mm (0.025") – 15N (3.4 lb) min.
- **Dielectric Withstanding Voltage:** 500V DC
- **Isolation Resistance:** 20 Megohms min.

### Ordering Information

**VERTICAL AND RIGHT ANGLE SINGLE-BAY HYBRID POWER HEADER**

<table>
<thead>
<tr>
<th>Circuit Size</th>
<th>Connector Length</th>
<th>Order No.</th>
<th>Polarization Option</th>
<th>Color</th>
<th>Mates With</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td></td>
<td>34695-0100</td>
<td>B</td>
<td>Grey</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>34695-0105</td>
<td>B</td>
<td>Grey</td>
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</tr>
</tbody>
</table>

**STAC64™ UNSEALED CONNECTOR SYSTEM**

- **34695 series, vertical single-bay hybrid power header**
- **34696 series, right angle single-bay hybrid power header**
- **34772 series, pitch right angle single-bay hybrid power header**
### Features and Benefits

- Stackable connection system of readily available PCB headers ensure reduced time-to-market: engineering and validation times reduced significantly, no tooling necessary to produce custom multi-bay headers.
- The header housings are molded in standard USCAR color schemes for additional polarizations to match harness connector color-coding scheme for visual aid in assembly.
- Modular housing design with standard dovetail features molded into the housings allows headers to be ganged together in large assemblies to meet growing terminal quantity requirements.
- High temperature thermoplastic housing for wave solder processing.
- Hard plastic pin-alignment plate (PAP) for infra-red (IR) reflow process up to 260°C and selective wave soldering.
- PCB alignment posts ensure all terminals are properly aligned into PCB through-holes during assembly and retain header to PCB during assembly and solder processing.

### Specifications

#### Mechanical
- Durability: 10 millionths max. – 10 cycles
- Header Pin Retention Force: 2.80mm (.110") – 70N (15.7 lb) min.
- 1.50mm (.059") – 70N (15.7 lb) min.
- 0.64mm (.025") – 6.0A max.
- Dielectric Withstanding Voltage: 500V DC

#### Physical
- Header Housing: Glass filled SPS
- Contact: 20 Megohms min.
- Isolation Resistance: 20 Megohms min.
- Voltage: 500V max.
- Current: 0.64mm (.025") – 6.0A max.

### Ordering Information

#### RIGHT ANGLE GANGED MULTI-BAY HEADERS

<table>
<thead>
<tr>
<th>2-Bay</th>
<th>Order No.</th>
<th>Bay A</th>
<th>Bay B</th>
<th>Bay C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube</td>
<td>Packaging</td>
<td>Tray</td>
<td>Circuit</td>
<td>Size Type</td>
</tr>
<tr>
<td>N.A.</td>
<td>34708-7000</td>
<td>20</td>
<td>0.64mm</td>
<td>A Black</td>
</tr>
<tr>
<td>N.A.</td>
<td>34708-3000</td>
<td>20</td>
<td>0.64mm</td>
<td>A Black</td>
</tr>
<tr>
<td>N.A.</td>
<td>34708-3001</td>
<td>20</td>
<td>0.64mm</td>
<td>A Black</td>
</tr>
<tr>
<td>N.A.</td>
<td>34708-3002</td>
<td>20</td>
<td>0.64mm</td>
<td>A Black</td>
</tr>
</tbody>
</table>

Note: Contact Molex Global Product Manager for queries on part number developments.
### Right Angle Ganged Multi-Bay Headers

#### 6-Bay

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Bay A</th>
<th>Bay B</th>
<th>Bay C</th>
<th>Bay D</th>
</tr>
</thead>
<tbody>
<tr>
<td>34708-9002</td>
<td>20</td>
<td>0.64mm</td>
<td>A Black</td>
<td>20</td>
</tr>
<tr>
<td>34708-9010</td>
<td>12</td>
<td>0.64mm</td>
<td>B Grey</td>
<td>16</td>
</tr>
<tr>
<td>34708-9020</td>
<td>16</td>
<td>0.64mm</td>
<td>B Grey</td>
<td>8</td>
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<tr>
<td>34708-9030</td>
<td>16</td>
<td>0.64mm</td>
<td>C Brown</td>
<td>12</td>
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<td>34708-9015</td>
<td>20</td>
<td>0.64mm</td>
<td>B Grey</td>
<td>12</td>
</tr>
<tr>
<td>34708-9025</td>
<td>20</td>
<td>0.64mm</td>
<td>C Brown</td>
<td>8</td>
</tr>
<tr>
<td>34708-9016</td>
<td>20</td>
<td>0.64mm</td>
<td>C Brown</td>
<td>12</td>
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<tr>
<td>34708-9026</td>
<td>20</td>
<td>0.64mm</td>
<td>A Black</td>
<td>12</td>
</tr>
</tbody>
</table>

#### Packaging

- **Tray**: N.A.
- **Circuit**: N.A.

#### Note

- Contact Molex Global Product Manager for queries on part number developments.

### Vertical Ganged Multi-Bay Headers

#### 2-Bay

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Bay A</th>
<th>Bay B</th>
</tr>
</thead>
<tbody>
<tr>
<td>34707-9001</td>
<td>20</td>
<td>0.64mm</td>
</tr>
<tr>
<td>34707-9011</td>
<td>12</td>
<td>0.64mm</td>
</tr>
<tr>
<td>34707-9021</td>
<td>20</td>
<td>0.64mm</td>
</tr>
<tr>
<td>34707-9031</td>
<td>16</td>
<td>0.64mm</td>
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</table>

#### 3-Bay

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Bay A</th>
<th>Bay B</th>
<th>Bay C</th>
</tr>
</thead>
<tbody>
<tr>
<td>34707-9002</td>
<td>20</td>
<td>0.64mm</td>
<td>A Black</td>
</tr>
<tr>
<td>34707-9012</td>
<td>12</td>
<td>0.64mm</td>
<td>C Brown</td>
</tr>
<tr>
<td>34707-9022</td>
<td>20</td>
<td>0.64mm</td>
<td>B Grey</td>
</tr>
<tr>
<td>34707-9032</td>
<td>16</td>
<td>0.64mm</td>
<td>A Black</td>
</tr>
</tbody>
</table>

#### 4-Bay

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Bay A</th>
<th>Bay B</th>
<th>Bay C</th>
<th>Bay D</th>
</tr>
</thead>
<tbody>
<tr>
<td>34707-9003</td>
<td>20</td>
<td>0.64mm</td>
<td>A Black</td>
<td></td>
</tr>
<tr>
<td>34707-9013</td>
<td>12</td>
<td>0.64mm</td>
<td>C Brown</td>
<td></td>
</tr>
<tr>
<td>34707-9023</td>
<td>20</td>
<td>0.64mm</td>
<td>B Grey</td>
<td></td>
</tr>
<tr>
<td>34707-9033</td>
<td>16</td>
<td>0.64mm</td>
<td>A Black</td>
<td></td>
</tr>
</tbody>
</table>

#### Note

- Contact Molex Global Product Manager for queries on part number developments.

### Right Angle Ganged Multi-Bay Headers PAP Version

#### 6-Bay

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Bay A</th>
<th>Bay B</th>
<th>Bay C</th>
<th>Bay D</th>
</tr>
</thead>
<tbody>
<tr>
<td>34997-7002</td>
<td>20</td>
<td>0.64mm</td>
<td>A Black</td>
<td></td>
</tr>
<tr>
<td>34997-7010</td>
<td>16</td>
<td>0.64mm</td>
<td>C Brown</td>
<td></td>
</tr>
<tr>
<td>34997-7011</td>
<td>20</td>
<td>0.64mm</td>
<td>B Grey</td>
<td></td>
</tr>
<tr>
<td>34997-7012</td>
<td>12</td>
<td>0.64mm</td>
<td>A Black</td>
<td></td>
</tr>
</tbody>
</table>

#### 2-Bay

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Bay A</th>
<th>Bay B</th>
</tr>
</thead>
<tbody>
<tr>
<td>34997-7001</td>
<td>12</td>
<td>0.64mm</td>
</tr>
<tr>
<td>34997-7002</td>
<td>16</td>
<td>0.64mm</td>
</tr>
</tbody>
</table>

#### 3-Bay

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Bay A</th>
<th>Bay B</th>
<th>Bay C</th>
</tr>
</thead>
<tbody>
<tr>
<td>34997-7003</td>
<td>12</td>
<td>0.64mm</td>
<td>A Black</td>
</tr>
<tr>
<td>34997-7004</td>
<td>16</td>
<td>0.64mm</td>
<td>C Brown</td>
</tr>
</tbody>
</table>

#### 4-Bay

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Bay A</th>
<th>Bay B</th>
<th>Bay C</th>
<th>Bay D</th>
</tr>
</thead>
<tbody>
<tr>
<td>34997-7005</td>
<td>20</td>
<td>0.64mm</td>
<td>A Black</td>
<td></td>
</tr>
<tr>
<td>34997-7015</td>
<td>16</td>
<td>0.64mm</td>
<td>C Brown</td>
<td></td>
</tr>
</tbody>
</table>

#### Note

- 10 circuit hybrid is without Mylar on ganged multi-bay header PAP version.

- Contact Molex Global Product Manager for queries on part number developments.
Crimp Tooling

**APPLICATION TOOLING**

**Dimensions:**
- Height: 152.00mm (6.00"
- Width: 132.00mm (5.346"
- Depth: 101.00mm (4.00"

**Weight:**
- Gross: 5.4kg (12 lbs.)
- Unpacked: 4.1kg (9 lbs.)

**0.64 MM FEMALE TERMINAL**

<table>
<thead>
<tr>
<th>Plating</th>
<th>Wire Gauge</th>
<th>Hand Crimp Tool</th>
<th>Applicator</th>
<th>Extraction Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order No.</td>
<td>Order No.</td>
<td>B Wound</td>
<td>D Wound</td>
<td>O Wound</td>
</tr>
<tr>
<td>34803-3213</td>
<td>34803-3211</td>
<td>22 AWG</td>
<td>36813-3700</td>
<td>63901-0100</td>
</tr>
<tr>
<td>34803-3214</td>
<td>34803-3212</td>
<td>20 AWG</td>
<td>36813-3800</td>
<td>63901-0300</td>
</tr>
<tr>
<td>34803-3213</td>
<td>34803-3211</td>
<td>0.22 mm²</td>
<td>36813-3700</td>
<td>63901-0100</td>
</tr>
<tr>
<td>34803-3214</td>
<td>34803-3212</td>
<td>0.30 mm²</td>
<td>36813-3800</td>
<td>63901-0300</td>
</tr>
<tr>
<td>34803-3213</td>
<td>34803-3211</td>
<td>0.50 mm²</td>
<td>36813-3800</td>
<td>63901-0300</td>
</tr>
</tbody>
</table>

**Note:** Complete Applicators come with the perishable tooling loaded into the applicator.
See Crimp specification on molex.com for specific wire types.

**MX150 1.50MM (.059") FEMALE CRIMP TERMINAL**

<table>
<thead>
<tr>
<th>Plating</th>
<th>Wire Gauge</th>
<th>Hand Crimp Tool</th>
<th>Applicator</th>
<th>Extraction Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order No.</td>
<td>Order No.</td>
<td>B Wound</td>
<td>D Wound</td>
<td>O Wound</td>
</tr>
<tr>
<td>33012-2003</td>
<td>33012-3003</td>
<td>22 AWG</td>
<td>63811-6000</td>
<td>63900-1000</td>
</tr>
<tr>
<td>33012-2002</td>
<td>33012-3002</td>
<td>20 AWG</td>
<td>63900-0900</td>
<td>63900-0900</td>
</tr>
<tr>
<td>33012-2001</td>
<td>33012-3001</td>
<td>18 AWG</td>
<td>63900-0800</td>
<td>63900-0800</td>
</tr>
<tr>
<td>33012-2003</td>
<td>33012-3003</td>
<td>16 AWG</td>
<td>63900-0700</td>
<td>63900-0700</td>
</tr>
<tr>
<td>33012-2002</td>
<td>33012-3002</td>
<td>14 AWG</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>33012-2001</td>
<td>33012-3001</td>
<td>0.30 mm²</td>
<td>63811-6100</td>
<td>63900-0600</td>
</tr>
<tr>
<td>33012-2003</td>
<td>33012-3003</td>
<td>0.50 mm²</td>
<td>63900-0900</td>
<td>63900-0900</td>
</tr>
<tr>
<td>33012-2002</td>
<td>33012-3002</td>
<td>0.75 mm²</td>
<td>63900-0800</td>
<td>63900-0800</td>
</tr>
<tr>
<td>33012-2001</td>
<td>33012-3001</td>
<td>1.00 mm²</td>
<td>63900-0700</td>
<td>63900-0700</td>
</tr>
</tbody>
</table>

**Note:** To use applicators, D Wound terminals must be used. Complete Applicators come with the perishable tooling loaded into the applicator.

**Terminal Payoff Directions**

- **Direction B**: Right Payoff with Paper Interleaf (Right to Left)
- **Direction D**: Left Payoff with Paper Interleaf (Left to Right)

For instructional manuals containing supplementary information on connector assembly and serviceability, please refer to the links below:

Get more insights at: [http://www.molex.com/link/stac64.html](http://www.molex.com/link/stac64.html)
Stac64 Unsealed Configurations

Stac64 Unsealed Capabilities 5
Stac64™ Current Carrying Capacity Curves 5

Receptacles and Terminals

Signal Receptacle 6
Hybrid Receptacle 7
Terminals – 0.64mm and 1.50mm 8 – 9

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Crimp Tooling 17