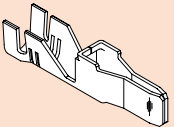
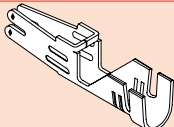
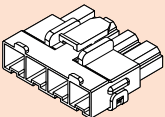
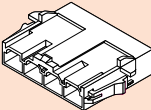
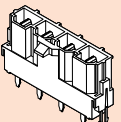
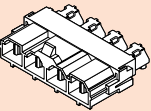
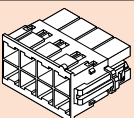
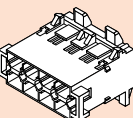
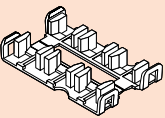
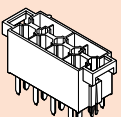


# molex® 10.00mm (.393") Pitch Mini-Fit, Sr.™

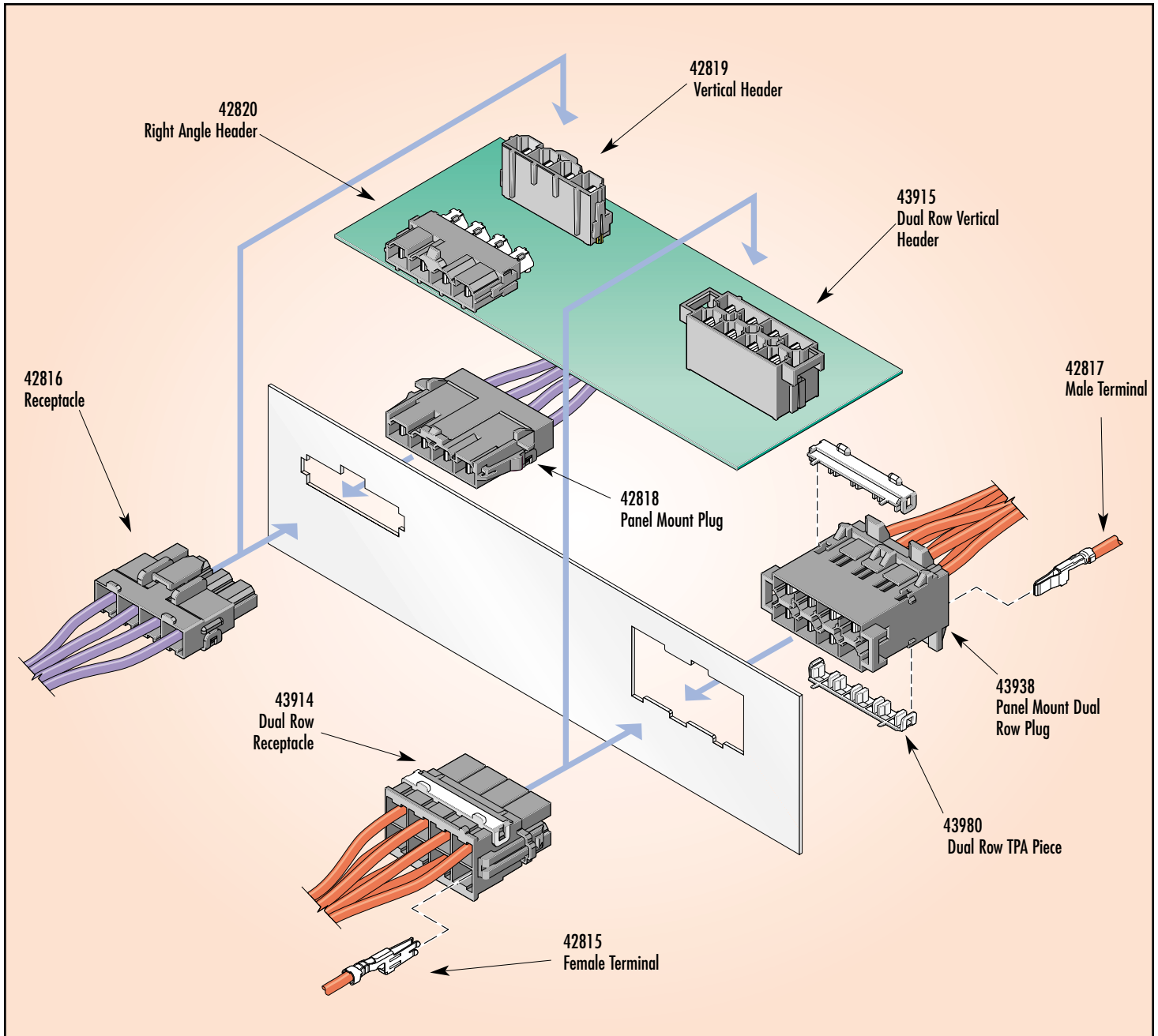
- Wire-to-Wire (Free hanging and panel mount)
- Wire-to-Board
- Mandatory Terminal Position Assurance (TPA) Piece
- Voltage: 600V
- Current: 50.0A Max.\*
- Temperature: -40 to +105°C



10.00mm (.393") Pitch  
Mini-Fit, Sr.™

	Series	Description	Mates With/ Use With	Material	Circuits/ Wire Gauge	Features and Benefits
<b>Terminals</b>						
	42817	Male Terminal	Mates with 42815 Terminal Used in 42818 and 43938 Housings	Tin or Select Gold Plated Copper Alloy	8 to 16 AWG	<ul style="list-style-type: none"> <li>■ Mating Cycles - Tin: 30 / Gold: 100</li> <li>■ Four points of electrical contact provide high reliability</li> <li>■ Low insertion force design for greater ease in mating</li> </ul>
	42815	Female Terminal	Mates with 42817 Terminal and PCB Header Terminal Used in 42816 and 43914 Housings			
<b>Single Row Housings</b>						
	42816	Receptacle Housing	42818, 42819, 42820	Black Polyester, UL 94V-0	2, 3, 4, 5, and 6 Circuits	<ul style="list-style-type: none"> <li>■ TPA (Terminal Position Assurance) piece attached to housing to prevent terminal backouts</li> <li>■ Positive latch guards against accidental disengagement of housings</li> <li>■ Polarized housing assures proper mating</li> <li>■ Used in wire-to-wire and wire-to-board applications</li> </ul>
	42818	Plug Housing	42816			
<b>Single Row PC Board Headers</b>						
	42819	Vertical Header	42816	Housings: Black Glass-filled 4/6 Nylon, UL 94V-0 Terminals: Tin or Select Gold Plated Copper Alloy	2, 3, 4, 5 and 6 Circuits	<ul style="list-style-type: none"> <li>■ SMC (Surface Mount Compatible)</li> <li>■ Metal fork locks for secure retention to PC Board</li> <li>■ Accommodates 1.57, 2.36, 3.18 and 6.35mm (.062, .093, .125 and .250") thick PC Boards</li> </ul>
	42820	Right Angle Header	42816			
<b>Dual Row Housings</b>						
	43914	Receptacle Housing	43938, 43915	Black Polyester, UL 94V-0	6, 8, 10, 12 and 14 Circuits	<ul style="list-style-type: none"> <li>■ Mandatory TPA (Terminal Position Assurance) piece (43980 Series) sold separately</li> <li>■ Positive latch guards against accidental disengagement of housings</li> <li>■ Polarized housing assures proper mating</li> <li>■ Used in wire-to-wire or wire-to-board applications</li> </ul>
	43938	Plug Housing	43914			
<b>Dual Row TPA (Terminal Position Assurance Piece)</b>						
	43980	TPA	Must Use With 43914, 43938	White Polyester, UL 94V-0	6, 8, 10, 12 and 14 Circuits	<ul style="list-style-type: none"> <li>■ Virtually eliminates terminal back out.</li> <li>■ White color for easy activation identification</li> </ul>
<b>Dual Row Vertical PC Board Header</b>						
	43915	Vertical Header	43914	Housing: Black Glass-filled 4/6 Nylon, UL 94V-0 Terminals: Tin or Select Gold Plated Copper Alloy	6, 8, 10, 12 and 14 Circuits	<ul style="list-style-type: none"> <li>■ SMC (Surface Mount Compatible)</li> <li>■ Metal fork locks for secure retention to PC Board</li> <li>■ Accommodates 1.57, 2.36, 3.18 and 6.35mm (.062, .093, .125 and .250") Thick PC Boards</li> </ul>

\*Maximum current is dependent on wire gauge and circuit size. See Mini-Fit, Sr. product specification PS-42815-001.



**APPLICATION EXAMPLES**

- Servers
- Workstations
- UPS Systems
- Telecommunications
- Welders
- High Current Applications
- Generators
- Networking Equipment
- Factory Automation Equipment
- HVAC
- Power Supplies
- Power Transmission

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