

# 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

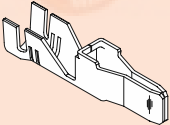
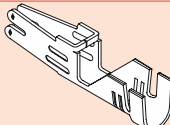
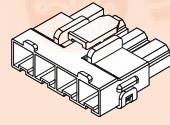
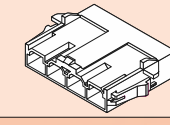
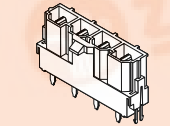
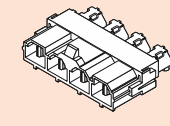
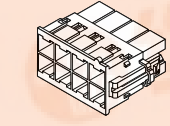
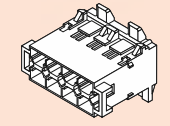
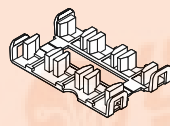
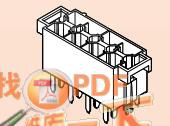
■ Voltage: 600V

■ Current: 50.0A Max.\*

■ Temperature: -40 to +105°C



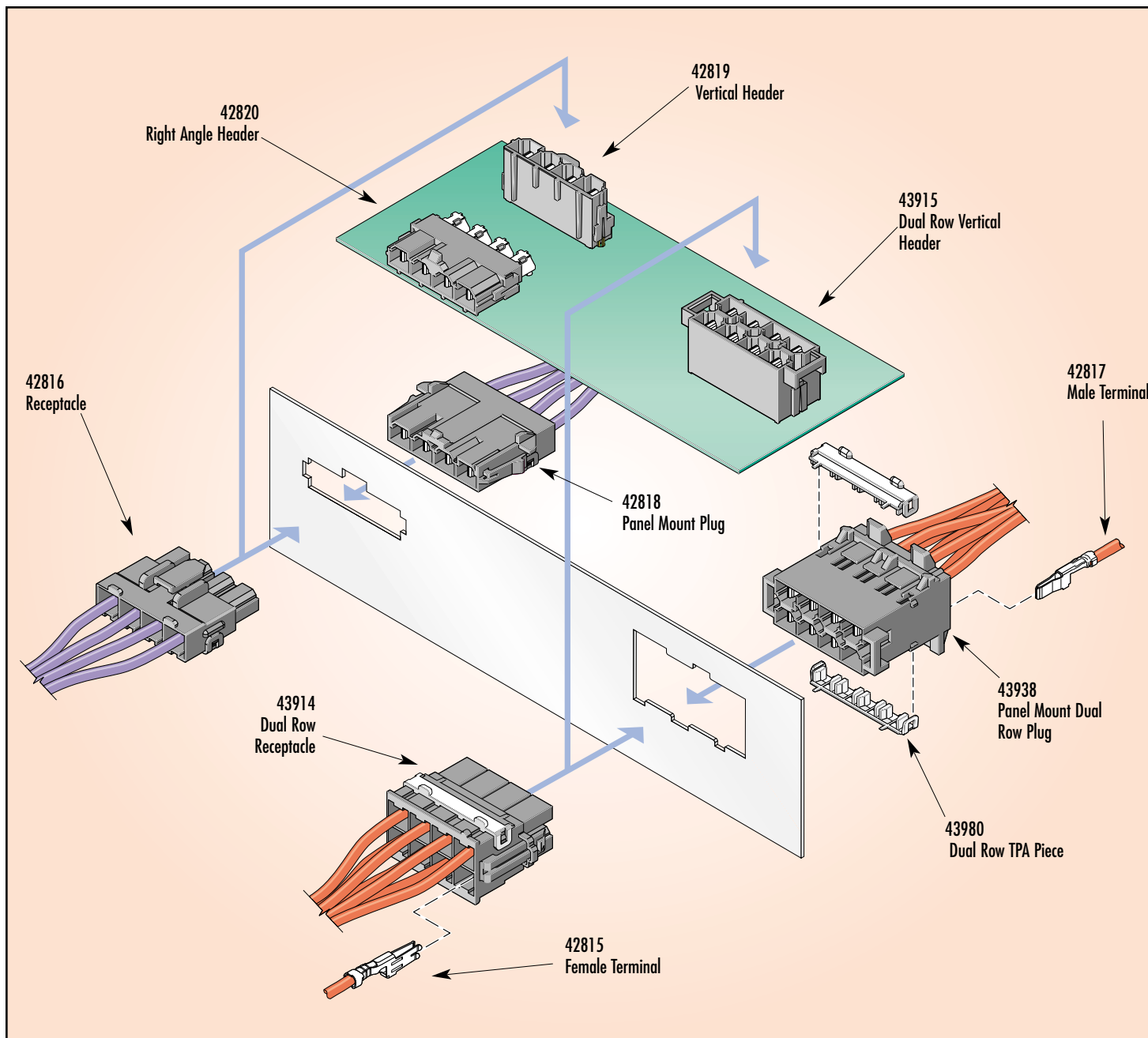
10.00mm (.393") Pitch  
Mini-Fit, Sr.™

	Series	Description	Mates With/ Use With	Material	Circuits/ Wire Gauge	Features and Benefits
Terminals						
	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			
Single Row Housings						
	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			<ul style="list-style-type: none"><li>■ TPA (Terminal Position Assurance) clip attached to housing must be used at all times to prevent terminal backouts</li><li>■ Used in wire-to-wire applications (Panel Mount or Free Hanging) only</li></ul>
Single Row PC Board Headers						
	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			
Dual Row Housings						
	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			<ul style="list-style-type: none"><li>■ Mandatory TPA (Terminal Position Assurance) piece (43980 Series) sold separately</li><li>■ Used in wire-to-wire applications (Panel Mount or Free Hanging)</li></ul>
Dual Row TPA (Terminal Position Assurance Piece)						
	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>
Dual Row Vertical PC Board Header						
	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.



[查询"42819"供应商](#)



## 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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