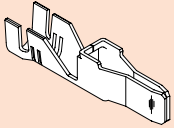
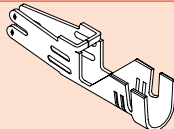
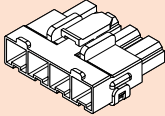
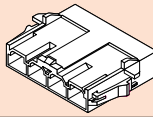
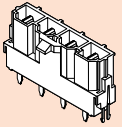
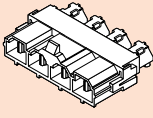
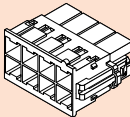
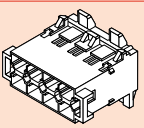
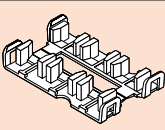
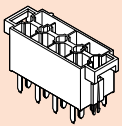


molex® 10.00mm (.393") Pitch
Mini-Fit, Sr.™

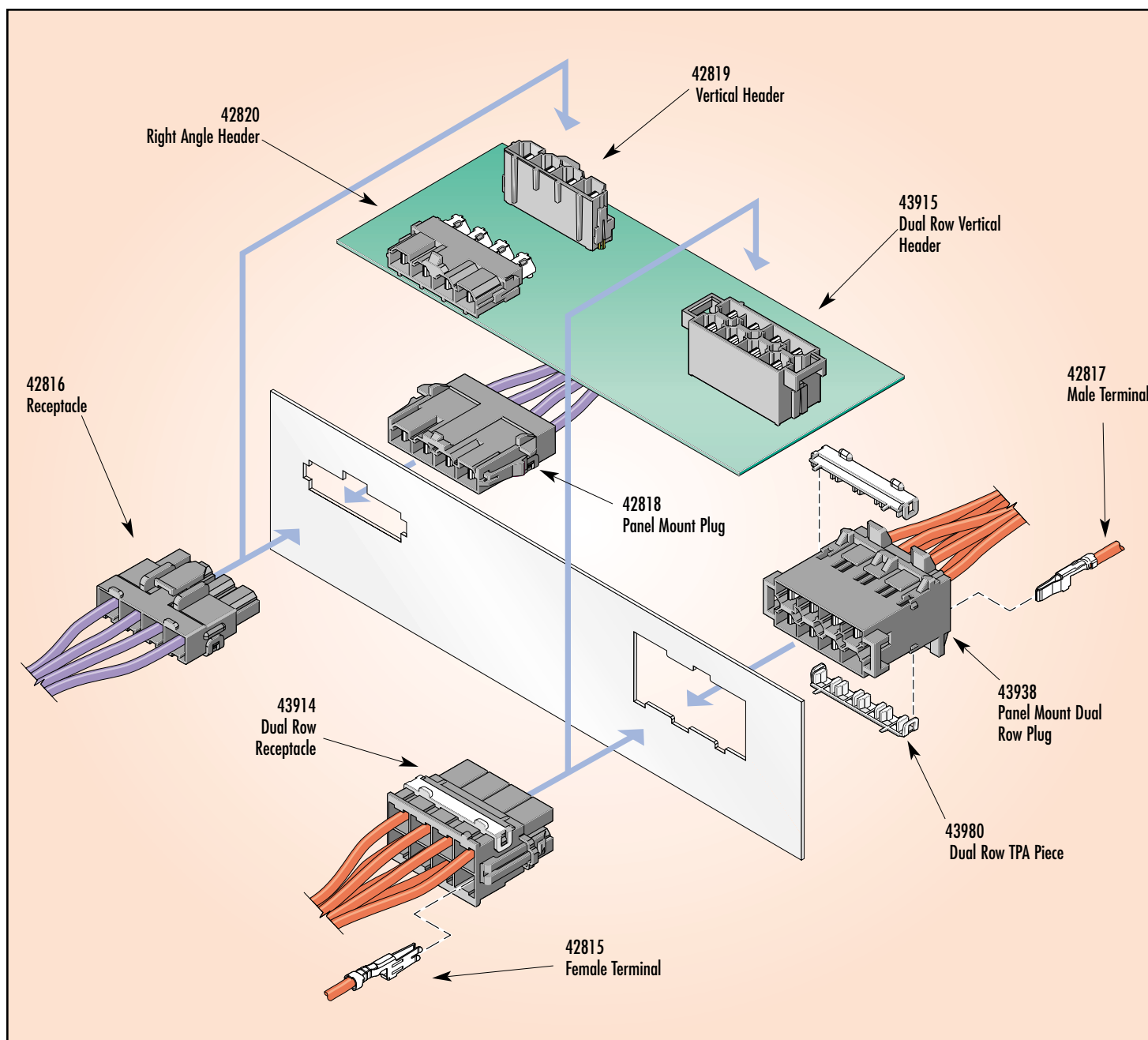
- Wire-to-Wire (Free hanging and panel mount)
- Wire-to-Board
- Mandatory Terminal Position Assurance (TPA) Piece
- Voltage: 600V
- Current: 50.0A Max.*
- Temperature: -40 to +105°C



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	■ Mating Cycles - Tin: 30 / Gold: 100 ■ Four points of electrical contact provide high reliability ■ Low insertion force design for greater ease in mating
	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	■ TPA (Terminal Position Assurance) piece attached to housing to prevent terminal backouts ■ Positive latch guards against accidental disengagement of housings ■ Polarized housing assures proper mating ■ Used in wire-to-wire and wire-to-board applications ■ TPA (Terminal Position Assurance) clip attached to housing must be used at all times to prevent terminal backouts ■ Used in wire-to-wire applications (Panel Mount or Free Hanging) only
	42818	Plug Housing	42816			
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	■ SMC (Surface Mount Compatible) ■ Metal fork locks for secure retention to PC Board ■ Accommodates 1.57, 2.36, 3.18 and 6.35mm (.062, .093, .125 and .250") thick PC Boards
	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	■ Mandatory TPA (Terminal Position Assurance) piece (43980 Series) sold separately ■ Positive latch guards against accidental disengagement of housings ■ Polarized housing assures proper mating ■ Used in wire-to-wire or wire-to-board applications ■ Mandatory TPA (Terminal Position Assurance) piece (43980 Series) sold separately ■ Used in wire-to-wire applications (Panel Mount or Free Hanging)
	43938	Plug Housing	43914			
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	■ Virtually eliminates terminal back out. ■ White color for easy activation identification
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	■ SMC (Surface Mount Compatible) ■ Metal fork locks for secure retention to PC Board ■ Accommodates 1.57, 2.36, 3.18 and 6.35mm (.062, .093, .125 and .250") Thick PC Boards

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



APPLICATION EXAMPLES

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

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