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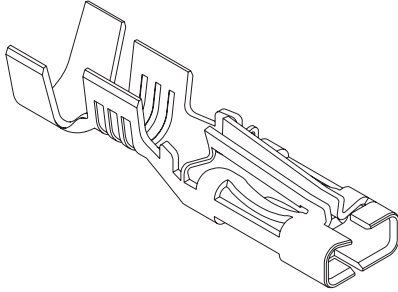
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Jameco Part Number 1931915

# 7.50mm (.295") Pitch Sabre™ Wire-to-Wire or Wire-to-Board Terminal

**43375**  
**Female**



## Features and Benefits

- Patented new integral Terminal Position Assurance (TPA) on female and male terminal virtually eliminates terminal backout
- Four points of electrical contact
- Wire-to-wire; wire-to-board

## Reference Information

Product Specification: PS-44441-9999  
Packaging: Chain  
UL File No.: E29179  
CSA File No.: LR19980  
TUV License No.: TBA  
Use With: 44441 housing  
Designed In: Inches

## Electrical

Voltage: 600V  
Current: 18.0A max.\*  
Contact Resistance: 10 milliohms max.  
Dielectric Withstanding Voltage: 5000V  
Insulation Resistance: 1000 Megohms min.

## Mechanical

Contact Insertion Force: 8.90N max.  
Contact Retention to Housing: 88.96N min.  
Normal Force: 13.34N nominal  
Durability: 25 cycles

## Physical

Contact: Brass  
Plating: Tin  
Operating Temperature: -40 to +75°C  
Wire Gauge: 14, 16, 18 AWG  
Insulation Diameter: 4.57mm (.180") max

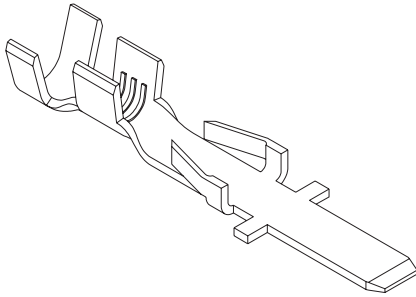
\* Depending on circuit size, wire gauge and PCB. Please refer to product specification.

Order No.	Plating	Wire Size AWG	Maximum Insulation Diameter	Lead-free
43375-0001	Tin	14-18	3.30 (.130)	Yes
*43375-1001			4.57 (.180)	

\* Accommodates single or double wire crimps

# 7.50mm (.295") Pitch Sabre™ Wire-to-Wire Terminal

**43178**  
**Male**



## Features and Benefits

- Patented new integral Terminal Position Assurance (TPA) on male and female terminal virtually eliminates terminal backout
- Accommodates 14 to 18 gauge wire
- Four points of electrical contact
- Wire-to-wire

## Reference Information

Product Specification: PS-44441-9999  
Packaging: Chain  
UL File No.: E29179  
CSA File No.: LR19980  
TUV License No.: TBA  
Use With: 43680 housing  
Designed In: Inches

## Electrical

Voltage: 600V  
Current: 18.0A max.\*  
Contact Resistance: 10 milliohms max.  
Dielectric Withstanding Voltage: 5000V  
Insulation Resistance: 1000 Megohms min.

## Mechanical

Contact Insertion Force: 8.90N max.  
Contact Retention to Housing: 88.96N min.  
Normal Force: 13.34N nominal  
Durability: 25 cycles

## Physical

Contact: Brass  
Plating: Tin  
Operating Temperature: -40 to +75°C  
Wire Gauge: 14, 16, 18 AWG  
Insulation Diameter: 4.57mm (.180") max.

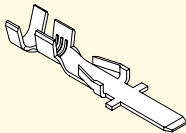
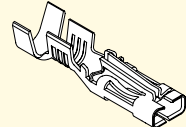
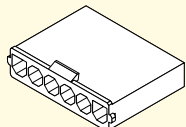
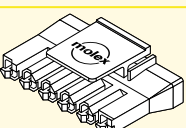
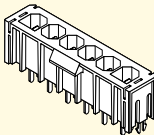
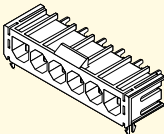
\* Depending on circuit size and wire gauge. Please refer to product specification.

Order No.	Wire Size AWG	Maximum Insulation Diameter	Lead-free
43178-1002	18	3.30 (.130)	Yes
*43178-2002	14-18	4.57 (.180)	

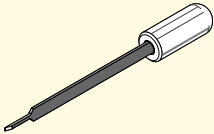
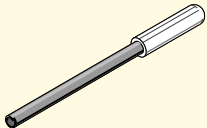
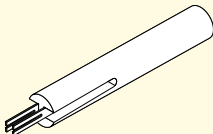
\* Accommodates single 14, 16 or 18 AWG wire crimps, or double 18 AWG wire crimps

- Wire-to-Wire (Free Hanging Only)
- Wire-to-Board
- Patented Terminal Position Assurance (TPA) feature

- Voltage: 1000V
- Current: 18.0A

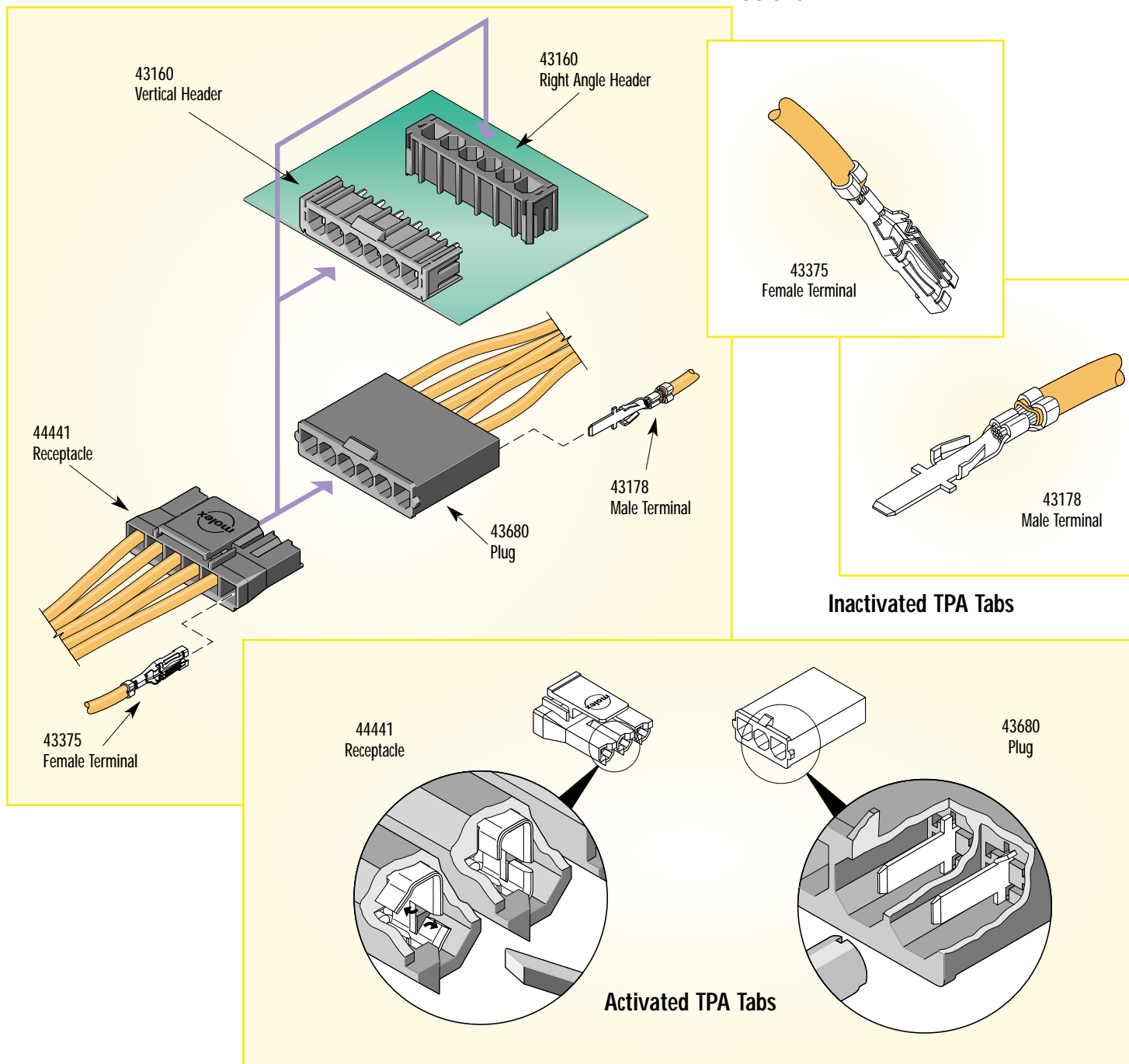
	Series	Description	Mates With/ Use With	Material	Circuits/ Wire Gauge	Features and Benefits
Terminals						
	43178	Male Terminal	Mates with 43375 Terminals Used in 43680 Housings	Tin Plated Brass	14 to 18 AWG	<div>■ Used in wire-to-wire applications only</div> <div>■ Patented integral Terminal Position Assurance (TPA) on mated male and female terminals. Activation is optional. Virtually eliminates terminal backouts from housing</div>
	43375	Female Terminal	Mates with 43178 Terminal and 43160 Headers Used in 44441 Housings			<div>■ Used in wire-to-wire and wire-to-board applications</div> <div>■ Patented integral Terminal Position Assurance (TPA) on mated male and female terminals. Activation is optional. Virtually eliminates terminal backouts from housing</div>
Housings						
	43680	Plug Housing	44441	Nylon, UL 94V-0	2, 3, 4, 5, and 6 Circuits	<div>■ Fully isolated towers gives 1000V rating</div> <div>■ Polarized housings assure proper mating</div> <div>■ Positive latch system guards against accidental disengagement of housings</div>
	44441	Receptacle Housing	43680 and 43160			
PC Board Headers						
	43160	Vertical Header	44441	Glass-filled Nylon, UL 94V-0	2, 3, 4, 5 and 6 Circuits	<div>■ Surface Mount compatible</div> <div>■ Optional PCB retention clips</div> <div>■ Accommodates 1.57, 2.36, and 3.18mm (.062, .093, and .125")</div>
	43160	Right Angle Header	44441			

#### Terminal TPA Activation/Deactivation and Extraction Hand Tools

	Order No.	Used With	Features and Benefits
	63813-0500	44441 Receptacle Housing 43375 Female Terminal	<ul style="list-style-type: none"> <li>■ Female Terminal Extraction / TPA Activation / TPA De-Activation Hand Tool</li> </ul>
	63813-0600	43680 Plug Housing 43178 Male Terminal	<ul style="list-style-type: none"> <li>■ Male Terminal TPA Activation / TPA De-Activation Hand Tool</li> </ul>
	63813-0800	43680 Plug Housing 43178 Male Terminal	<ul style="list-style-type: none"> <li>■ Male Terminal Extraction Hand Tool</li> </ul>

# **7.50mm (.295") Pitch** **Sabre™**

7.50mm (.295") Pitch  
Sabre™



## APPLICATION EXAMPLES

- |                        |                    |                              |
|------------------------|--------------------|------------------------------|
| HVAC                   | Home Entertainment | Lighting                     |
| Office Equipment       | Medical Equipment  | Factory Automation Equipment |
| Automotive Aftermarket | Appliance          | Power Supplies               |
| Networking Equipment   | UPS Systems        | Work Stations                |

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