

Distributed by:



www.Jameco.com ♦ 1-800-831-4242

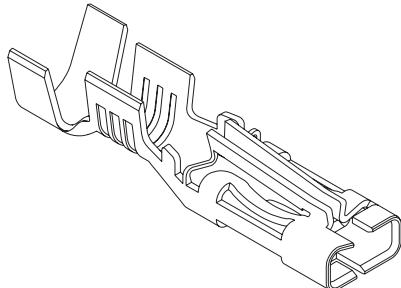
The content and copyrights of the attached
material are the property of its owner.

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.

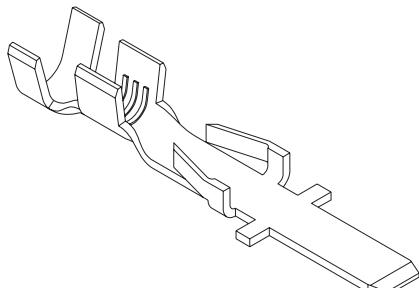
Order No.	Plating	Wire Size AWG	Maximum Insulation Diameter	Lead-free
43375-0001	Tin	14-18	3.30 (.130)	
*43375-1001			4.57 (.180)	Yes

* 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)	
*43178-2002	14-18	4.57 (.180)	Yes

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

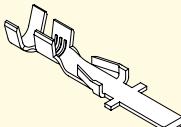
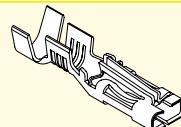
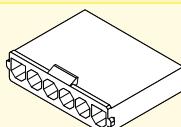
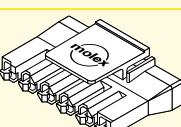
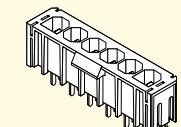
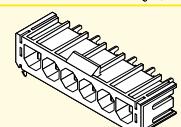
■ Wire-to-Wire (Free Hanging Only)

■ Voltage: 1000V

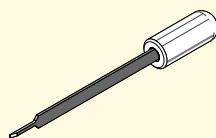
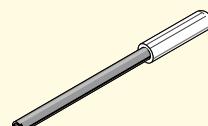
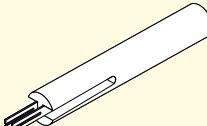
■ Wire-to-Board

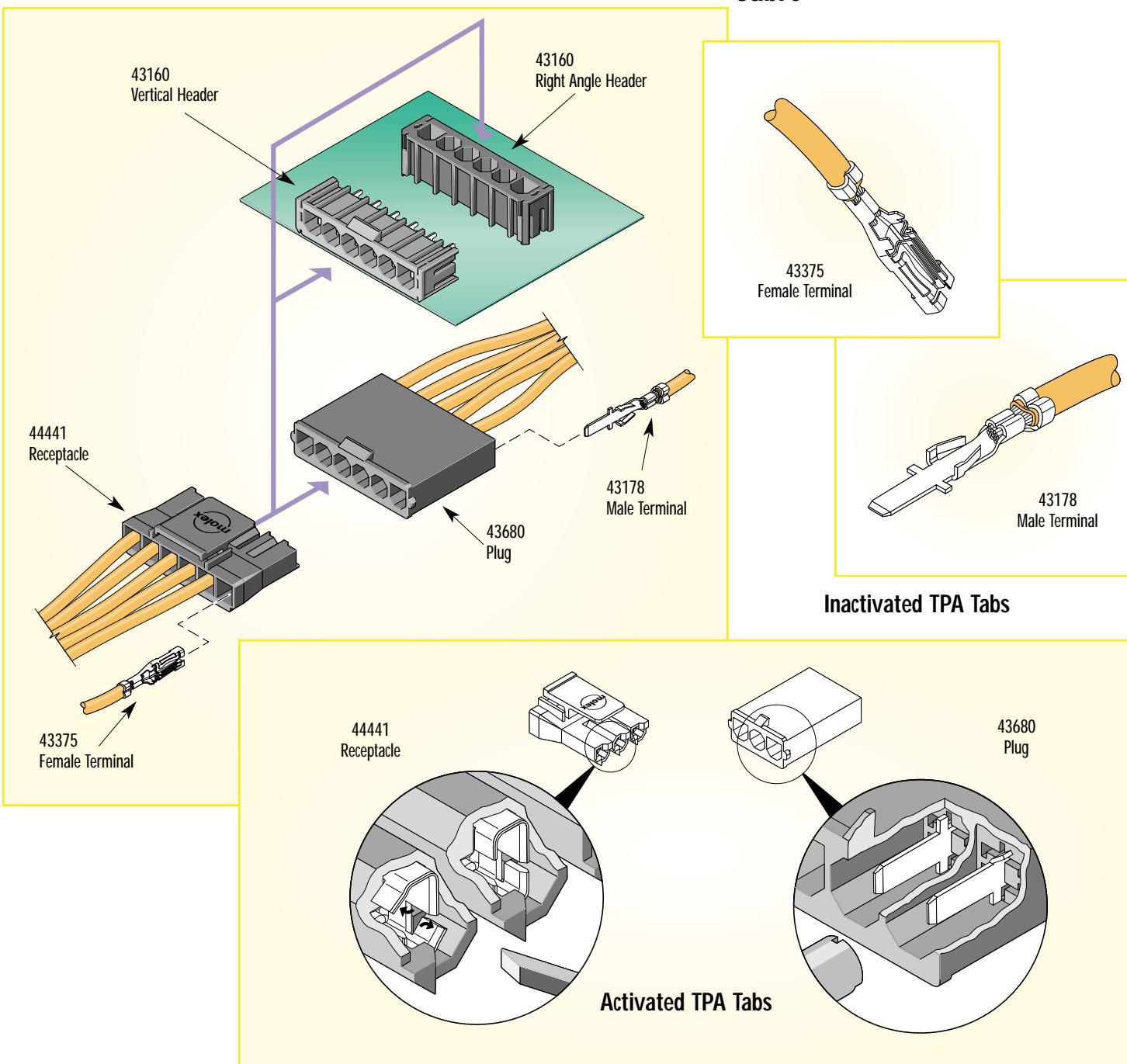
■ Current: 18.0A

■ Patented Terminal Position Assurance (TPA) feature

	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	■ Used in wire-to-wire applications only ■ Patented integral Terminal Position Assurance (TPA) on mated male and female terminals. Activation is optional. Virtually eliminates terminal backouts from housing
	43375	Female Terminal	Mates with 43178 Terminal and 43160 Headers Used in 44441 Housings			■ Used in wire-to-wire and wire-to-board applications ■ Patented integral Terminal Position Assurance (TPA) on mated male and female terminals. Activation is optional. Virtually eliminates terminal backouts from housing
Housings						
	43680	Plug Housing	44441	Nylon, UL 94V-0	2, 3, 4, 5, and 6 Circuits	■ Fully isolated towers gives 1000V rating ■ Polarized housings assure proper mating ■ Positive latch system guards against accidental disengagement of housings
	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	■ Surface Mount compatible ■ Optional PCB retention clips ■ Accommodates 1.57, 2.36, and 3.18mm (.062, .093, and .125")
	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	■ Female Terminal Extraction / TPA Activation / TPA De-Activation Hand Tool
	63813-0600	43680 Plug Housing 43178 Male Terminal	■ Male Terminal TPA Activation / TPA De-Activation Hand Tool
	63813-0800	43680 Plug Housing 43178 Male Terminal	■ Male Terminal Extraction Hand Tool



APPLICATION EXAMPLES

- HVAC
- Office Equipment
- Automotive Aftermarket
- Networking Equipment

- Home Entertainment
- Medical Equipment
- Appliance
- UPS Systems

- Lighting
- Factory Automation Equipment
- Power Supplies
- Work Stations

Americas Headquarters
Lisle, Illinois 60532 U.S.A.
Tel: 1-800-78MOLEX
Fax: 630-969-1352

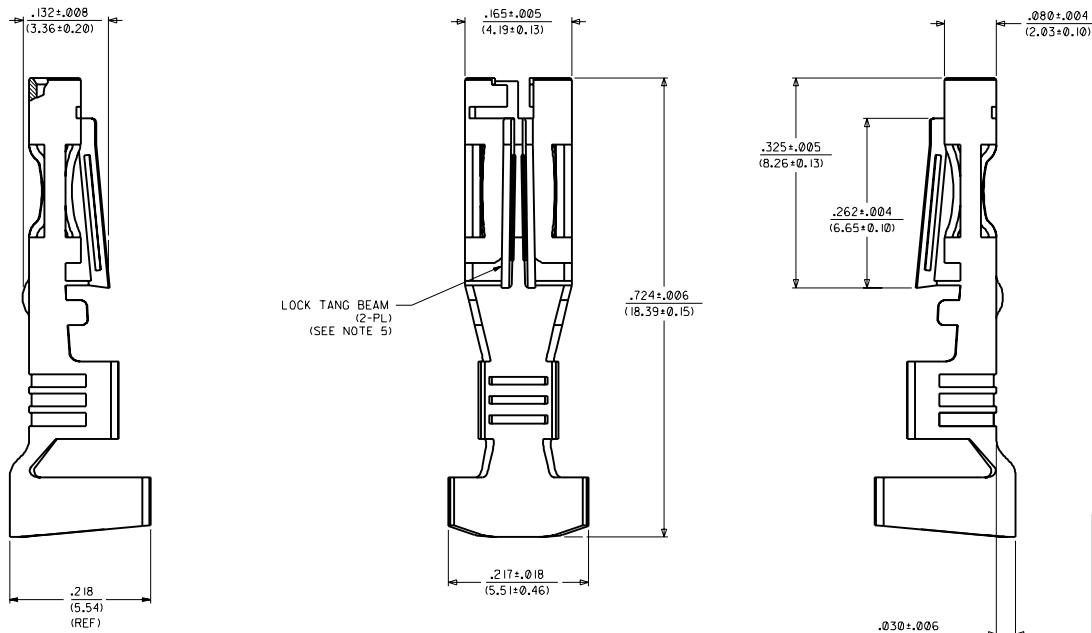
Far East North Headquarters
Yamato, Kanagawa, Japan
Tel: 81-462-65-2324
Fax: 81-462-65-2366

Far East South Headquarters
Jurong, Singapore
Tel: 65-268-6868
Fax: 65-265-6044

European Headquarters
Munich, Germany
Tel: 49-89-413092-0
Fax: 49-89-401527

Corporate Headquarters
2222 Wellington Ct.
Lisle, IL 60532 U.S.A.
Tel: 630-969-4550
Fax: 630-969-1352

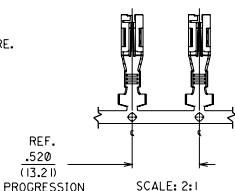
Visit our Web site at <http://www.molex.com>



LARGE INSULATION CRIMP

NOTES:

1. SINGLE CRIMP TO #18, #16 & #14 AWG WIRE, OR DOUBLE CRIMP TO #18 AWG WIRE.
2. MATERIAL: .012/.030 THICK C26000 BRASS.
3. FINISH: HOT TIN DIP.
4. PRODUCT SPECIFICATION: PSX-44441-9999.
5. NO PORTION OF ONE LOCK TANG BEAM SHALL TOUCH ANY PORTION OF THE OTHER LOCK TANG BEAM.



DIMENSIONS SHOWN IN METRIC INCH		REVISE ONLY ON CAD SYSTEM	
UNLESS OTHERWISE SPECIFIED TOLERANCE IS ± .005			
NOT.	MEAS.	NOT.	MEAS.
1 PLACE	± .005	---	---
2 PLACES	± .01	± .13	---
3 PLACES	---	---	± .25
DRAWINGS NOT DRAWN TO SCALE UNLESS OTHERWISE SPECIFIED			
PRINTED IN U.S.A.		MATERIAL: MAB	
BY: RAS		SPEC. BY: KBP	
DATE: 10/1/95		SCALE: 10:1	
FILE NAME: 43375-1001		DRAW. NO. 43375-1001	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			

43375-1001 SD-43375-1001