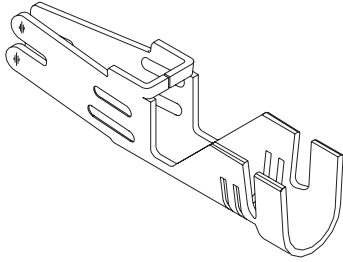


# 10.00mm (.393") Pitch Mini-Fit Sr.™ Terminal

## 42815 Female



### Features and Benefits

- High current
- Low engagement force
- Wire-to-wire, wire-to-board
- Four points of electrical contact

### Reference Information

Product Specification: PS-42815-0001  
 Packaging: Reel  
 UL File No.: E29179  
 CSA File No.: LR19980  
 TUV License No.: R9751144  
 Use With: 42816 and 43914 receptacle housings  
 Designed In: Millimeters

### Electrical

Voltage: 600V  
 Current: 50.0A max.\*  
 Contact Resistance: 1.5 milliohms max.  
 Dielectric Withstanding Voltage: 2200V  
 Insulation Resistance: 1000 Megohms min.

### Mechanical

Contact Insertion Force: 29.4N max.  
 Contact Retention to Housing: 98.1N min.  
 Mating Force: 29.4N max.  
 Unmating Force: 4.9N min.  
 Normal Force: 1.96N min.  
 Durability: Tin—30 cycles; Gold—100 cycles

### Physical

Contact: Copper Alloy  
 Plating: Tin or Select Gold  
 Operating Temperature: -40 to +105°C  
 Wire gauge: 8, 10, 12, 14, 16 AWG

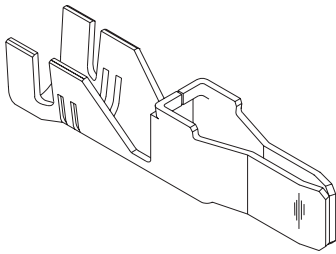
\* Depending on circuit size, wire gauge and PCB. Please refer to product specification.

Order No.	Plating*	Wire Size (AWG)	Lead-free
<a href="#">42815-0041</a>	Tin	14-16	Yes
<a href="#">42815-0042</a>	Select Gold		
<a href="#">42815-0011</a>	Tin	10-12	
<a href="#">42815-0012</a>	Select Gold		
<a href="#">42815-0031</a>	Tin	8	
<a href="#">42815-0032</a>	Select Gold		

\* Select Gold plated terminals recommended. See product specification for additional information.

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

## 42817 Male



### Features and Benefits

- High current
- Four points of electrical contact
- Low engagement force
- Wire-to-wire
- Grounding contacts available

### Reference Information

Product Specification: PS-42815-0001  
 Packaging: Reel  
 UL File No.: E29179  
 CSA File No.: LR19980  
 TUV License No.: R9751144  
 Use With: 42818 and 43938 plug housings  
 Designed In: Millimeters

### Electrical

Voltage: 600V  
 Current: 50.0A max.\*  
 Contact Resistance: 1.5 milliohms max.  
 Dielectric Withstanding Voltage: 2200V  
 Insulation Resistance: 1000 Megohms min.

### Mechanical

Contact Insertion Force: 29.4N max.  
 Contact Retention to Housing: 98.1N min.  
 Mating Force: 29.4N max.  
 Unmating Force: 4.9N min.  
 Normal Force: 1.96N min.  
 Durability: Tin—30 cycles; Select Gold—100 cycles

### Physical

Contact: Copper Alloy  
 Plating: Tin or Select Gold  
 Operating Temperature: -40 to +105°C  
 Wire gauge: 8, 10, 12, 14 and 16 AWG

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

Standard Contacts			
Order No.	Plating*	Wire Gauge	Lead-free
<a href="#">42817-0041</a>	Tin	14-16	Yes
<a href="#">42817-0042</a>	Select Gold		
<a href="#">42817-0011</a>	Tin	10-12	
<a href="#">42817-0012</a>	Select Gold		
<a href="#">42817-0031</a>	Tin	8	
<a href="#">42817-0032</a>	Select Gold		

\* Select Gold plated terminals recommended. See product specification for additional information.

Grounding Contacts			
Order No.	Plating*	Wire Gauge	Lead-free
<a href="#">42817-0141</a>	Tin	14-16	Yes
<a href="#">42817-0142</a>	Select Gold		
<a href="#">42817-0111</a>	Tin	10-12	
<a href="#">42817-0112</a>	Select Gold		
<a href="#">42817-0131</a>	Tin	8	
<a href="#">42817-0132</a>	Select Gold		