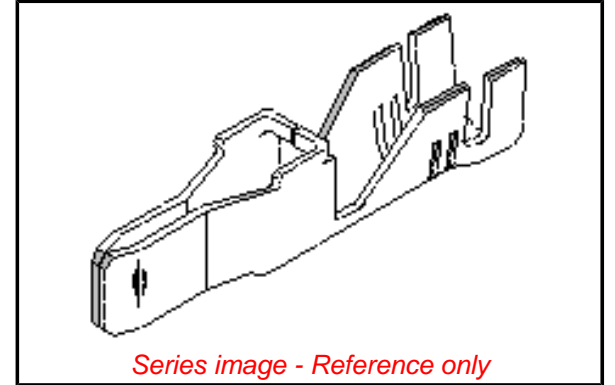


Part Number: [0428170012](#)
Status: **Active**
Overview: Mini-Fit Sr.™
Description: Mini-Fit Sr.™ Crimp Terminal, Male, 10 to 12 AWG Gold (Au)



Series image - Reference only

General

Product Family	Crimp Terminals
Series	42817
Comments	High Current/Low Force
Overview	<u>Mini-Fit Sr.™</u>
Product Name	Mini-Fit Sr.™

Physical

Gender	Male
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Packaging Type	Reel
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	5.30mm (.209") max.
Wire Size AWG	10
Wire Size AWG	12
Wire Size mm ²	N/A

Material Info

EU RoHS

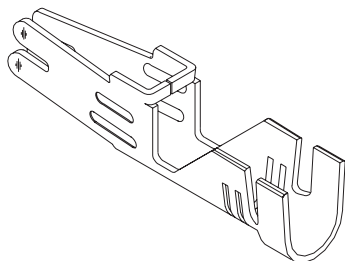
**ELV and RoHS
Compliant**

China RoHS



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

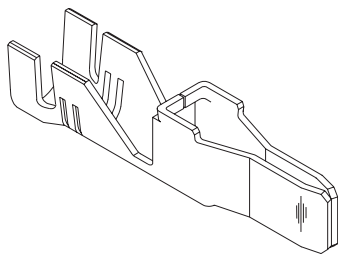
* Depending on circuit size, wire gauge and PCB. Please refer to product specification.

Order No.	Plating*	Wire Size (AWG)	Lead-free
42815-0041	Tin	14-16	Yes
42815-0042	Select Gold		
42815-0011	Tin	10-12	
42815-0012	Select Gold		
42815-0031	Tin	8	
42815-0032	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
42817-0041	Tin	14-16	Yes
42817-0042	Select Gold		
42817-0011	Tin	10-12	
42817-0012	Select Gold		
42817-0031	Tin	8	
42817-0032	Select Gold		

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

Grounding Contacts			
Order No.	Plating*	Wire Gauge	Lead-free
42817-0141	Tin	14-16	Yes
42817-0142	Select Gold		
42817-0111	Tin	10-12	
42817-0112	Select Gold		
42817-0131	Tin	8	
42817-0132	Select Gold		