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**Part Number:** **0190990013**  
**Status:** **Active**  
**Overview:** Solderless Terminals  
**Description:** InsulKrimp Snap Spade Terminal for 18-22 AWG Wire, Red

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-19902-011-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-19902-013-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-19902-009-001 (PDF)</a>	

**Agency Certification**

CSA	LR18689
UL	E32244

**General**

Product Family	Ring and Spade Terminals
Series	<u>19099</u>
Crimp Quality Equipment	Yes
Overview	<u>Solderless Terminals</u>
Product Name	InsulKrimp
Type	Spade Snap
UPC	800753088856

**Physical**

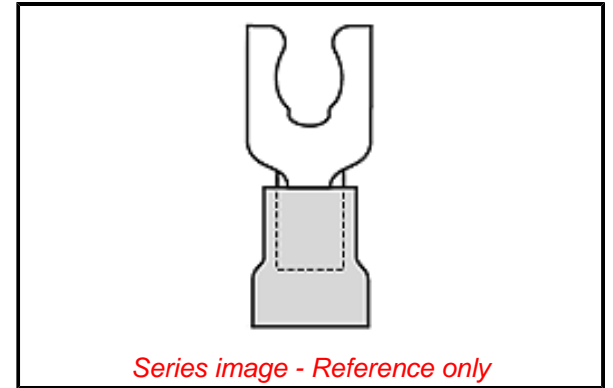
Barrel Type	Closed
Color - Resin	Red
Flammability	94V-0
Insulation	PVC
Material - Plating Mating	Tin
Net Weight	0.664/g
Packaging Type	Bag
Stud Size	8 (M4)
Wire Insulation Diameter	4.40mm max.
Wire Size AWG	18, 20, 22
Wire Size mm <sup>2</sup>	0.38-0.96

**Material Info**

Engineering Number	AA-2714-08X
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**Reference - Drawing Numbers**

Product Specification	PS-19902-009-001, PS-19902-011-001, PS-19902-013-001
Sales Drawing	190990013-000, 193-02



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[19099 Series](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

**Product #**

PremiumGrade	<a href="#">640010100</a>
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Hand Crimp Tool for Avikrimp and InsulKrimp Terminals and Splices, 10-22 AWG and 6.0-0.5mm<sup>2</sup> (Rings, Spades, Hooks, Block Spades and Flanged Spades)

PremiumGrade	<a href="#">640010300</a>
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Hand Crimp Tool for InsulKrimp Terminals and Splices, 10-22

AWG (Rings,  
Spades, Hooks,  
Block Spades and  
Flanged Spades)  
Crimp Head for the 640050100  
AT-200 Pneumatic  
Hand Tool  
Crimp Head for the 640050300  
AT-200 Pneumatic  
Hand Tool  
ServiceGrade Hand 640160036  
Crimp Tool for Field  
Repair only, for  
production use our  
PremiumGrade Tool

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