

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0192210230](#)  
**Status:** **Active**  
**Overview:** Battery Cable Lugs  
**Description:** Compression Style Ring Tongue Terminal for 4 AWG Wire, Stud Size 1/4" (M6), Tin Plated

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-19902-011-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-19902-013-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-19902-017-001 (PDF)</a>
<a href="#">Product Specification PS-19901-017-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**Agency Certification**

CSA	LR18689
UL	E32244

**General**

Product Family	Ring and Spade Terminals
Series	<a href="#">19221</a>
Comments	Heavy Duty
Crimp Quality Equipment	Yes
Overview	<a href="#">Battery Cable Lugs</a>
Product Name	Battery Cable Lug
Taxonomy	Ring and Spade Terminals
Type	Ring
UPC	800753062290

**Physical**

Barrel Type	Closed
Insulation	None
Material - Plating Mating	Tin
Net Weight	9.290/g
Packaging Type	Bag
Plating min - Mating	4.064µm
Plating min - Termination	4.064µm
Stud Size	1/4" (M6)
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	N/A
Wire Size AWG	4

**Solder Process Data**

Lead-free Process Capability	N/A
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**Material Info**

Engineering Number	BCL-414-PL
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**Reference - Drawing Numbers**

Product Specification	PS-19901-017-001, PS-19902-011-001, PS-19902-013-001, PS-19902-017-001
Sales Drawing	SD-19221-010-001

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - D(2022)4187-DC (10 June 2022)

**Halogen-Free**

**Status**

**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**

[19221 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 #
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Hand Crimp Tool for Eyelet Style Copper Lug Terminals 8-4/0 AWG	<a href="#">192840034</a>
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Manual Putt Pump Hydraulic System, Die set required	<a href="#">192860117</a>
Die Set (large) for the HHLS Hydraulic Crimper	<a href="#">192900007</a>

Die Set (large) for the HHLS Hydraulic Crimper	<a href="#">192900750</a>
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Manual tool for Crimping non-insulated 8AWG thru 4/0 Terminals	<u>192940008</u>
Hydraulic Dieless Crimping Tool	<u>638161700</u>
Square "DIN" style dies for 4 AWG	<u>640037870</u>
Square "Din" Style Die Set for BCL and VersaKrimp Un-insulated Ring Tongue Terminals and Splices, 4 AWG	<u>640038670</u>

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