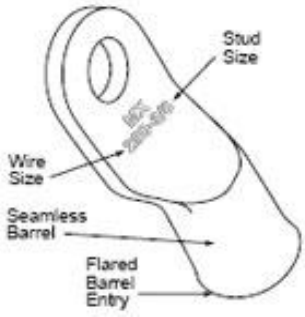
**Part Number :** 192210454
**Product Description :** Compression Style Ring Tongue Terminal for 4 AWG Wire, Stud Size 1/2" (M12), Tin Plated
**Series Number :** 19221
**Status :** Active
**Product Category :** Ring and Spade Terminals
**Engineering Number :** BCL-412-XWP-PL




## Documents & Resources

### Drawings

192210454_sd.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

### Specifications

PS-19901-017-001.pdf

PS-19902-013-001.pdf

PS-19902-017-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Ring and Spade Terminals |
| Series | 19221 |
| Description | Compression Style Ring Tongue Terminal for 4 AWG Wire, Stud Size 1/2" (M12), Tin Plated |
| Comments | Heavy Duty |
| Keyword | Ring Terminal, Ring Terminals |
| Product Name | Battery Cable Lug |
| Style | Ring, Plated |
| Type | Battery Cable Lug |
| UPC | 800753065536 |

### Agency

| | |
|---|---|
| CSA | LR18689 |
| UL | E32244 |

### Physical

| | |
|---|---|
| Barrel Type | Closed |
| Insulation | None |
| Material - Plating Mating | Tin |

| | |
|---|---|
| Net Weight | 12.846/g |
| Packaging Type | Bag |
| Plating min - Mating | 4.064µm |
| Plating min - Termination | 4.064µm |
| Stud Size | 1/2" (M12) |
| Termination Interface Style | Crimp or Compression |
| Wire Insulation Diameter | N/A |
| Wire Size (AWG) | 4 |

## Application Tooling

### Global

| Description | Part Number |
|---|---|
| Hand Crimp Tool for Eyelet Style Copper Lug Terminals 8-4/0 AWG | 192840034 |
| Putt Pump Hydraulic Head Crimper, Die Set Required, For Insulated and Non-Insulated Terminals and Splices | 192860117 |
| Die Set (Large) for the HHLS Hydraulic Crimper | 192900007 |
| Die Set (Large) for the HHLS Hydraulic Crimper | 192900750 |
| Manual Tool for Crimping Non-insulated 8 AWG thru 4/0 Terminals | 192940008 |
| Square “DIN” Style Dies for 4 AWG | 640037870 |
| Square "Din" Style Die Set for BCL and VersaKrimp Un-insulated Ring Tongue Terminals and Splices, 4 AWG | 640038670 |