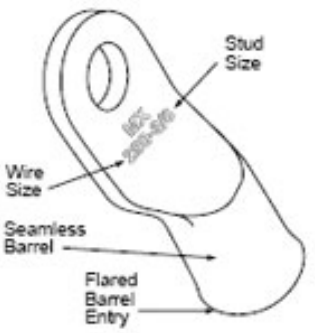
This document was generated on 04/12/2010

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

**Part Number:** 0192210414

**Status:** Active

**Description:** Compression Style Ring Tongue Terminal for 8 AWG Wire, Stud Size 1/2", Plated, Extra Wide Pad




*Series image - Reference only*

**Documents:**

Drawing (PDF) | RoHS Certificate of Compliance (PDF)

## Agency Certification

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

## General

| | |
|---|---|
| Product Family | Ring and Spade Terminals |
| Series | 19221 |
| Comments | Heavy Duty |
| Crimp Quality Equipment | Yes |
| Mil-Spec | N/A |
| Product Name | Battery Cable Lug |
| Type | Ring |

## Physical

| | |
|---|---|
| Barrel Type | Closed |
| Insulation | None |
| Material - Plating Mating | Tin |
| Packaging Type | Bag |
| Plating min: Mating (µin) | 160 |
| Plating min: Mating (µm) | 4 |
| Plating min: Termination (µin) | 160 |
| Plating min: Termination (µm) | 4 |
| Stud Size | 1/2" (M12) |
| Termination Interface: Style | Crimp or Compression |
| Wire Insulation Diameter | N/A |
| Wire Size AWG | 8 |
| Wire Size mm² | 6.60 - 10.5 |

## Material Info

| | |
|---|---|
| Old Part Number | BCL-812-XWP-PL |

## Reference - Drawing Numbers

| | |
|---|---|
| Sales Drawing | SD-19221-001 |

**EU RoHS**
**ELV and RoHS Compliant**
**REACH SVHC**
Not Reviewed
**Halogen-Free Status**
**Not Reviewed**

**China RoHS**

**Need more information on product environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

**Search Parts in this Series**
19221Series

**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.*

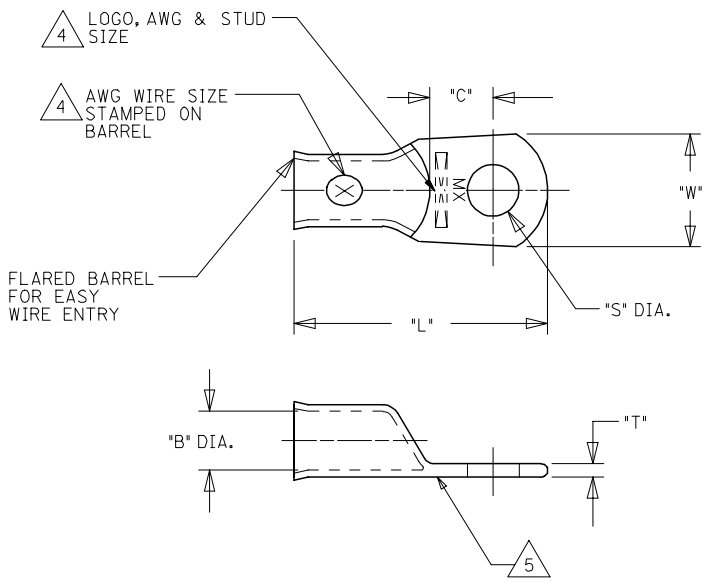
**Global**

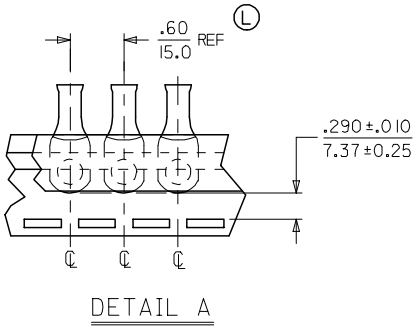
| Description | Product # |
|---|---|
| Putt Pump Dieless Head System | 0192860065 |
| Manual tool for Crimping non-insulated 8AWG thru 4/0 Terminals | 0192940008 |
| Manual Putt Pump Hydraulic System, Die set required | 0192860117 |
| Die Set (large) for the HHLS Hydralic Crimper | 0192900001 |

This document was generated on 04/12/2010

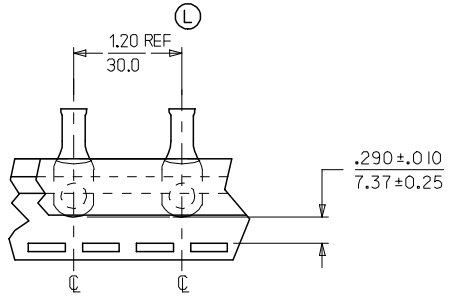
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

| UNPLATED MATERIAL NUMBER | UNPLATED ENG. NUMBER | UNPLATED MAT. NO. ON TAPE | UNPLATED ENG. NO. ON TAPE | PLATED MATERIAL NUMBER | PLATED ENGINEERING NUMBER | PLATED MAT. NO. ON TAPE | PLATED ENG. NO ON TAPE | SEE DETAIL | STUD SIZE | AWG WIRE RANGE | "S" ±.010/(0.25) | "L" ±.030/(0.76) | "W" ±.020/(0.50) | "C" ±.040/(1.02) | "B" ±.015/(0.38) | "T" ±.015/(0.38) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1922 10408 | BCL-810 | 1908200 12 | BCL-810T | 1922 10223 | BCL-810-PL | 1908200 11 | BCL-810-PLT | A | 10/(4.8) | 8 | .214/(5.45) | 1.187/(30.15) | .438/(11.13) | .376/(9.55) | .185/(4.70) | .070/(1.78) |
| 1922 10409 | BCL-814 | 1908200 14 | BCL-814T | 1922 10224 | BCL-814-PL | 1908200 13 | BCL-814-PLT | A | 1/4/(6.4) | 8 | .278/(7.06) | 1.187/(30.15) | .438/(11.13) | .376/(9.55) | .185/(4.70) | .070/(1.78) |
| 1922 10562 | BCL-814-WP | --- | --- | 1922 10563 | BCL-814-WP-PL | --- | --- | --- | 1/4/(6.4) | 8 | .278/(7.06) | 1.313/(33.35) | .594/(15.09) | .376/(9.55) | .185/(4.70) | .070/(1.78) |
| 1922 10411 | BCL-8516 | 1908200 17 | BCL-8516T | 1922 10225 | BCL-8516-PL | --- | --- | A | 5/16/(7.9) | 8 | .340/(8.63) | 1.187/(30.15) | .438/(11.13) | .376/(9.55) | .185/(4.70) | .070/(1.78) |
| 1922 10482 | BCL-8516-WP | --- | --- | 1922 10483 | BCL-8516-WP-PL | 1908200 16 | BCL-8516-PLT | A | 5/16/(7.9) | 8 | .340/(8.63) | 1.313/(33.35) | .594/(15.09) | .422/(10.72) | .185/(4.70) | .070/(1.78) |
| 1922 10410 | BCL-838-WP | 1908200 15 | BCL-838-WPT | 1922 10226 | BCL-838-WP-PL | 192210566 | BCL-838-WP-PLT | A | 3/8/(9.5) | 8 | .400/(10.16) | 1.313/(33.35) | .594/(15.09) | .422/(10.72) | .185/(4.70) | .070/(1.78) |
| 1922 10481 | BCL-838-XWP | --- | --- | 1922 10484 | BCL-838-XWP-PL | --- | --- | --- | 3/8/(9.5) | 8 | .400/(10.16) | 1.469/(37.31) | .766/(19.46) | .394/(10.01) | .185/(4.70) | .070/(1.78) |
| 1922 10415 | BCL-812-XWP | --- | --- | 1922 10414 | BCL-812-XWP-PL | --- | --- | --- | 1/2/(14.7) | 8 | .520/(13.21) | 1.469/(37.31) | .766/(19.46) | .394/(10.01) | .185/(4.70) | .070/(1.78) |
| 1922 10425 | BCL-610 | --- | --- | 1922 10424 | BCL-610-PL | 190820003 | BCL-610-PLT | B | 10/(4.8) | 6 | .214/(5.45) | 1.281/(32.54) | .438/(11.13) | .345/(8.75) | .232/(5.89) | .075/(1.90) |
| 1922 10406 | BCL-614-WP | 190820006 | BCL-614T | 1922 10227 | BCL-614-WP-PL | 190820005 | BCL-614-PLT | B | 1/4/(6.4) | 6 | .278/(7.06) | 1.406/(35.72) | .594/(15.09) | .430/(10.9) | .232/(5.89) | .080/(2.03) |
| 1922 10494 | BCL-6141 | --- | --- | 1922 10495 | BCL-6141-PL | 1922 10498 | BCL-6141-PLT | B | 1/4/(6.4) | 6 | .278/(7.06) | 1.281/(32.54) | .438/(11.13) | .345/(8.75) | .232/(5.89) | .075/(1.90) |
| 1922 10407 | BCL-6516-WP | --- | --- | 1922 10228 | BCL-6516-WP-PL | 190820009 | BCL-6516-PLT | B | 5/16/(7.9) | 6 | .340/(8.63) | 1.406/(35.72) | .594/(15.09) | .352/(8.94) | .232/(5.89) | .080/(2.03) |
| 1922 10493 | BCL-6516 | 1908200 10 | BCL-6516T | 1922 10492 | BCL-6516-PL | 1922 10499 | BCL-6516-PLT | B | 5/16/(7.9) | 6 | .340/(8.63) | 1.281/(32.54) | .438/(11.13) | .345/(8.75) | .232/(5.89) | .075/(1.90) |
| 1922 10384 | BCL-638-WP | 190820008 | BCL-638T | 1922 10229 | BCL-638-WP-PL | 190820007 | BCL-638-PLT | B | 3/8/(9.5) | 6 | .400/(10.16) | 1.406/(35.72) | .594/(15.09) | .352/(8.94) | .232/(5.89) | .080/(2.03) |
| 1922 10569 | BCL-638-XWP | --- | --- | 1922 10568 | BCL-638-XWP-PL | --- | --- | --- | 3/8/(9.5) | 6 | .400/(10.16) | 1.563/(39.70) | .766/(19.46) | .422/(10.72) | .232/(5.89) | .080/(2.03) |
| 1922 10417 | BCL-612-XWP | --- | --- | 1922 10416 | BCL-612-XWP-PL | 190820004 | BCL-612-PLT | B | 1/2/(14.7) | 6 | .520/(13.21) | 1.563/(39.70) | .766/(19.46) | .352/(8.94) | .232/(5.89) | .080/(2.03) |




DETAIL A




DETAIL B

NOTES:
1. FOR INSPECTION SIGHT HOLE, PLEASE CONSULT FACTORY.
2. OTHER STUD SIZES MAY BE AVAILABLE, PLEASE CONSULT FACTORY.
3. MATERIAL: COPPER
   PLATING: TIN
4. MARKINGS CAN BE AT EITHER LOCATION SHOWN.
5. IF TONGUE IS TO BE BENT AT ANY ANGLE, IT MUST BE BENT AROUND A RADIUS ONE HALF THE TONGUE THICKNESS.
6. ALL COMPONENTS ARE ROHS COMPLIANT.

# SALES DRAWING

REVISED W/ TYPO CORRECTED — EC NO: ETC2007-0397 — DRWN:EHILE 2007/04/27 — CHK'D:JMACNEIL 2007/05/09 — APPR:JMACNEIL 2007/05/10 — DESCRIPTION — REV

QUALITY SYMBOLS: ▼=0, ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± --- | ± --- |
| 1 PLACE | ± --- | ± --- |
| ANGULAR ±---° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM | SCALE: --- | DESIGN UNITS: INCH | THIRD ANGLE PROJECTION

DRAWN BY: DMYRICK DATE: 2005/5/3
CHECKED BY: RDEROSS DATE: 2005/5/3
APPROVED BY: RDEROSS DATE: 2005/5/3

TITLE: EYELET STYLE COPPER TERMINALS 8 AND 6 AWG LUGS

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-19221-001
SHEET NO.: 1 OF 1

SIZE C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION