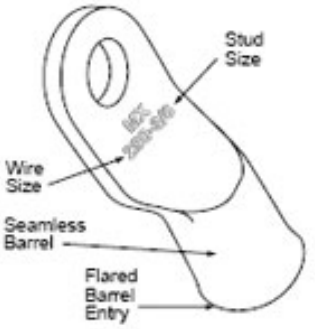
This document was generated on 04/14/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0192210483

Status: Active

Description: Compression Style Ring Tongue Terminal for 8 AWG Wire, Stud Size 5/16", Plated, 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	5/16" (M8)
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-8516-WP-PL

Reference - Drawing Numbers

Sales Drawing	SD-19221-001, SD-19221-003

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.

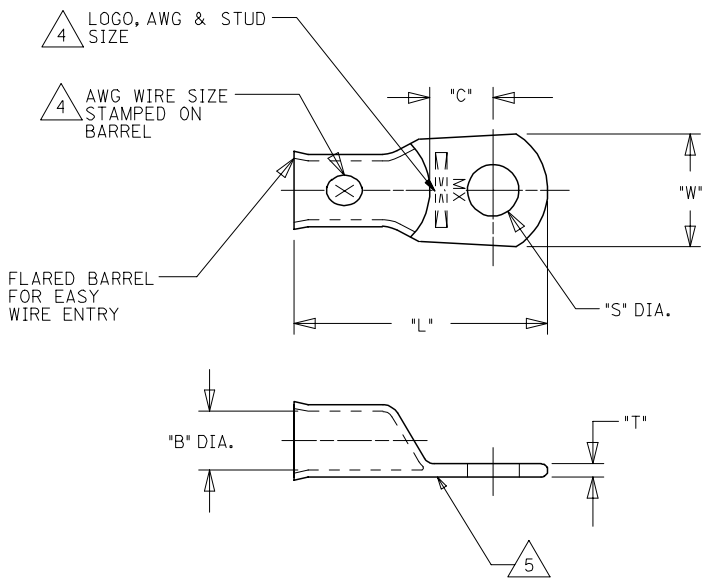
Global

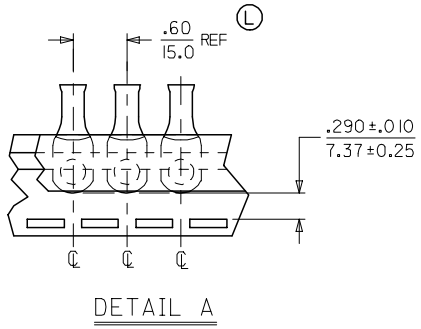
Description	Product #
Putt Pump Dieless Head System	0192860065
Manual tool for Crimping non-insulated 8AWG thru 4/0 Terminals	0192940008
Manual Putt Pump Hydraulic System, Die set required	0192860117
Die Set (large) for the HHLS Hydralic Crimper	0192900001

This document was generated on 04/14/2010

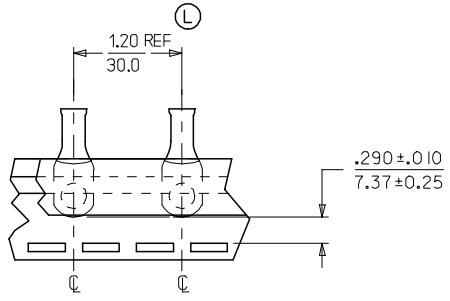
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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	192210498	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 — CHKD: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

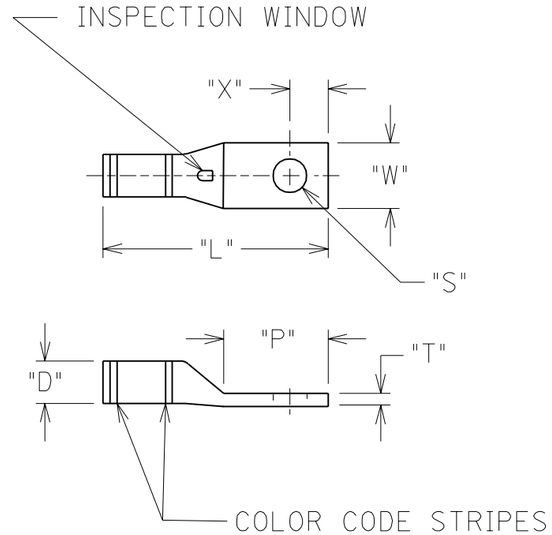
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-19221-001
SHEET NO.: 1 OF 1

SIZE C

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

MATERIAL NUMBER	ENGINEERING NUMBER	AWG RANGE	COLOR CODE	STUD SIZE	"S"	"L"	"W"	"P"	"X"	"D"	"T"
19221021 2	HDC-810-CC	8	RED	10	.214	1.125	.343	.531	.250	.250	.078
19221021 5	HDC-610-CC	6	BLUE	10	.214	1.187	.406	.562	.250	.281	.078
19221021 3	HDC-614-CC	6	BLUE	1/4	.278	1.187	.406	.562	.250	.281	.078
19221021 6	HDC-410-CC	4	GRAY	10	.214	1.343	.500	.640	.296	.359	.109
19221021 4	HDC-414-CC	4	GRAY	1/4	.278	1.343	.500	.640	.296	.359	.109
19221021 7	HDC-4516-CC	4	GRAY	5/16	.340	1.500	.500	.781	.296	.359	.109
19221021 8	HDC-214-CC	2	BROWN	1/4	.278	1.343	.609	.671	.296	.437	.125
19221021 9	HDC-2516-CC	2	BROWN	5/16	.340	1.343	.609	.671	.296	.437	.125
19221022 0	HDC-238-CC	2	BROWN	3/8	.400	1.750	.609	.968	.390	.437	.125
19221022 1	HDC-114-CC	1	GREEN	1/4	.278	1.640	.687	.750	.343	.484	.140
19221027 1	HDC-1516-CC	1	GREEN	5/16	.340	1.640	.687	.750	.343	.484	.140
19221027 2	HDC-138-CC	1	GREEN	3/8	.400	1.890	.687	1.000	.453	.484	.140
19221027 3	HDC-112-CC	1	GREEN	1/2	.520	1.890	.687	1.000	.453	.484	.140
19221027 4	HDC-1014-CC	1/0	PINK	1/4	.278	1.796	.765	.781	.375	.531	.140
19221027 5	HDC-10516-CC	1/0	PINK	5/16	.340	1.796	.765	.781	.375	.531	.140
19221027 6	HDC-1038-CC	1/0	PINK	3/8	.400	2.046	.765	1.031	.453	.531	.140
19221027 7	HDC-1012-CC	1/0	PINK	1/2	.520	2.046	.765	1.031	.453	.531	.140
19221027 8	HDC-2014-CC	2/0	BLACK	1/4	.278	1.953	.828	.828	.375	.578	.140
19221010 5	HDC-20516-CC	2/0	BLACK	5/16	.340	1.953	.828	.828	.375	.578	.140
19221010 6	HDC-2038-CC	2/0	BLACK	3/8	.400	2.203	.828	1.078	.453	.578	.140
19221010 7	HDC-2012-CC	2/0	BLACK	1/2	.520	2.203	.828	1.078	.453	.578	.140
19221010 8	HDC-3014-CC	3/0	ORANGE	1/4	.278	2.093	.906	.843	.375	.625	.140
19221010 9	HDC-30516-CC	3/0	ORANGE	5/16	.340	2.093	.906	.843	.375	.625	.140
19221011 0	HDC-3038-CC	3/0	ORANGE	3/8	.400	2.343	.906	1.093	.453	.625	.140
19221035 5	HDC-3012-CC	3/0	ORANGE	1/2	.520	2.343	.906	1.093	.453	.625	.140
19221035 6	HDC-4014-CC	4/0	PURPLE	1/4	.278	2.250	1.015	.875	.375	.703	.156
19221035 7	HDC-40516-CC	4/0	PURPLE	5/16	.340	2.250	1.015	.875	.375	.705	.156
19221035 8	HDC-4038-CC	4/0	PURPLE	3/8	.400	2.500	1.015	1.125	.453	.703	.156
19221035 9	HDC-4012-CC	4/0	PURPLE	1/2	.520	2.500	1.015	1.125	.453	.703	.156
19221036 0	HDC-25038-CC	250MCM	YELLOW	3/8	.400	2.609	1.140	1.140	.500	.781	.187
19221036 1	HDC-25012-CC	250MCM	YELLOW	1/2	.520	2.609	1.140	1.140	.500	.781	.187
19221036 2	HDC-30038-CC	300MCM	WHITE	3/8	.400	2.734	1.218	1.140	.500	.843	.187
19221036 3	HDC-30012-CC	300MCM	WHITE	1/2	.520	2.796	1.218	1.203	.546	.843	.187
19221036 4	HDC-30058-CC	300MCM	WHITE	5/8	.660	2.796	1.218	1.203	.546	.843	.187
19221036 5	HDC-35012-CC	350MCM	RED	1/2	.520	2.984	1.312	1.250	.546	.906	.203
19221036 6	HDC-35058-CC	350MCM	RED	5/8	.660	2.984	1.312	1.250	.546	.906	.203
19221036 7	HDC-40012-CC	400MCM	BLUE	1/2	.520	3.093	1.578	1.281	.546	.968	.218
19221036 8	HDC-40058-CC	400MCM	BLUE	5/8	.660	3.093	1.578	1.281	.546	.968	.218
19221036 9	HDC-50012-CC	500MCM	BROWN	1/2	.520	3.453	1.578	1.296	.546	1.093	.250
19221037 0	HDC-50058-CC	500MCM	BROWN	5/8	.660	3.453	1.578	1.406	.546	1.093	.250

NOTES:
1. MATERIAL: COPPER
2. PLATING: TIN
3. OTHER STUD SIZES MAY BE AVAILABLE, PLEASE CONSULT FACTORY.
4. UL, CSA, AND WIRE GAUGE PRINTED ON TERMINAL.
5. ALL DIMENSIONS ARE REFERENCE ONLY.



CUSTOMER DRAWING

LTR.	REVISIONS
A	RELEASE CUSTOMER DRAWING 05/11 ETC2000-0227 JH

DIMENSIONS SHOWN (METRIC) INCH

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± ---	± ---
2 PLACE	± ---	± ---
1 PLACE	± ---	± ---

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REVISE ONLY ON CAD SYSTEM

TITLE
HEAVY DUTY COMPRESSION SITE HOLE TERMINALS STANDARD BARREL ONE HOLE

molex ETC INC. PINELLAS PARK, FLA. 33781 U.S.A.

SHEET NO.

DATE 94/02/14

PART NO. SEE CHART

DRWG. NO. SD-19221-003

DRWG. BY	CHK'D. BY
JH	RWD
APP'D. BY	SCALE
RWD	NONE

FILE NAME 19221003 DGN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX-ETC INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

DIV.

SIZE B