

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0192210581
Status: Active
Description: Compression Style Ring Tongue Terminal for 1 AWG Wire, Stud Size 3/8", Plated, Wide Pad

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

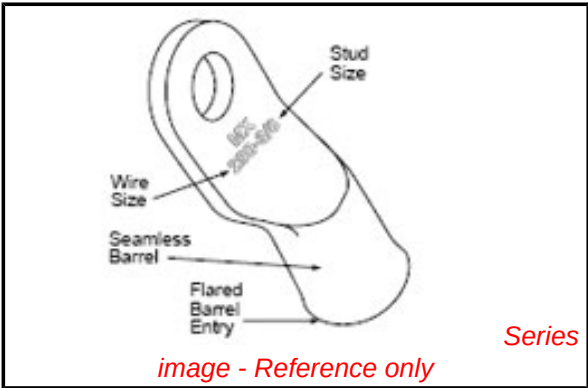
Barrel Type	Closed
Insulation	None
Material - Plating Mating	Tin
Packaging Type	Bag
Plating min: Mating (µin)	160
Plating min: Mating (µm)	4
Plating min: Termination (µin)	160
Plating min: Termination (µm)	4
Stud Size	3/8" (M9)
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	N/A
Wire Size AWG	1
Wire Size mm²	42.4

Material Info

Old Part Number	BCL-138-WP-PL
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Reference - Drawing Numbers

Sales Drawing	SD-19221-010
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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

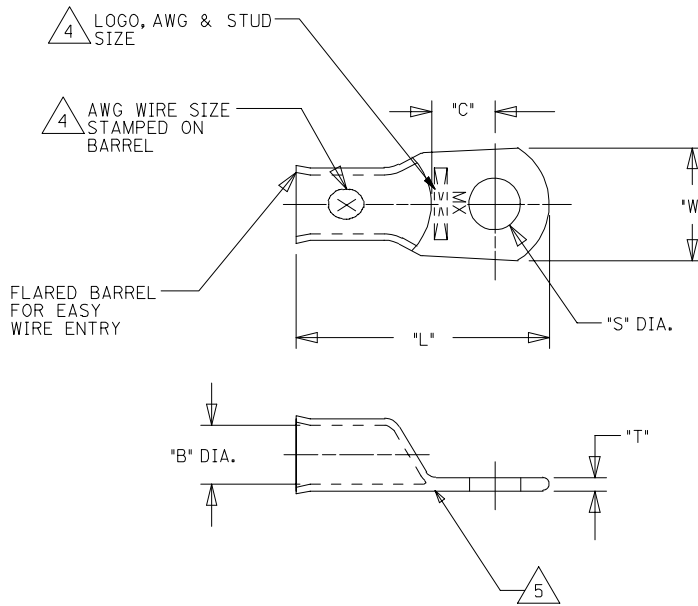
Application Tooling | FAQ

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 #
Die Set (large) for the HHLS Hydraulic Crimper	0192900011

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	13	12	11	10	9	8	7	6	5	4	3	2	1					
	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)	
J	1922 I0451	BCL-410	---	---	1922 I0452	BCL-410-PL	---	---	---	10/(4.83)	4	.214/(5.45)	1.500/(38.10)	.531/(13.49)	.429/(10.90)	.286/(7.26)	.080/(2.03)	J
	1922 I0404	BCL-414	---	---	1922 I0230	BCL-414-PL	---	---	---	1/4/(6.4)	4	.278/(7.06)	1.500/(38.10)	.531/(13.49)	.429/(10.90)	.286/(7.26)	.080/(2.03)	
	1922 I0405	BCL-4516	---	---	1922 I0231	BCL-4516-PL	190820025	BCL-4516-PLT	D	5/16/(7.9)	4	.340/(8.64)	1.500/(38.10)	.531/(13.49)	.429/(10.90)	.286/(7.26)	.080/(2.03)	
	1922 I0461	BCL-4516-WP	---	---	1922 I0460	BCL-4516-WP-PL	---	---	---	5/16/(7.9)	4	.340/(8.64)	1.531/(38.89)	.625/(15.88)	.397/(10.08)	.286/(7.26)	.080/(2.03)	
	1922 I0383	BCL-438	---	---	1922 I0232	BCL-438-PL	190820026	BCL-438-PLT	E	3/8/(9.5)	4	.400/(10.16)	1.500/(38.10)	.531/(13.49)	.429/(10.90)	.286/(7.26)	.080/(2.03)	
	1922 I0458	BCL-438-WP	---	---	1922 I0456	BCL-438-WP-PL	190820027	BCL-438-WP-PLT	E	3/8/(9.5)	4	.400/(10.16)	1.531/(38.89)	.625/(15.88)	.397/(10.08)	.286/(7.26)	.080/(2.03)	
I	1922 I0459	BCL-438-XWP	---	---	1922 I0457	BCL-438-XWP-PL	---	---	---	3/8/(9.5)	4	.400/(10.16)	1.688/(42.88)	.766/(19.46)	.444/(11.28)	.286/(7.26)	.100/(2.54)	I
	1922 I0453	BCL-412	---	---	1922 I0454	BCL-412-PL	---	---	---	1/2/(12.7)	4	.520/(13.21)	1.688/(42.88)	.766/(19.46)	.444/(11.28)	.286/(7.26)	.100/(2.54)	
	1922 I0419	BCL-214	---	---	1922 I0418	BCL-214-PL	190820001	BCL-214-PLT	C	1/4/(6.4)	2	.278/(7.06)	1.625/(41.28)	.625/(15.88)	.437/(11.10)	.336/(8.53)	.095/(2.41)	
	1922 I0400	BCL-2516	---	---	1922 I0233	BCL-2516-PL	190820002	BCL-2516-PLT	C	5/16/(7.9)	2	.340/(8.63)	1.625/(41.28)	.625/(15.88)	.437/(11.10)	.336/(8.53)	.095/(2.41)	
	1922 I0380	BCL-238	---	---	1922 I0235	BCL-238-PL	---	---	---	3/8/(9.5)	2	.400/(10.16)	1.625/(41.28)	.625/(15.88)	.437/(11.10)	.336/(8.53)	.095/(2.41)	
	1922 I0564	BCL-238-WP	---	---	1922 I0565	BCL-238-WP-PL	---	---	---	3/8/(9.5)	2	.400/(10.16)	1.750/(44.45)	.750/(19.05)	.474/(12.04)	.336/(8.53)	.095/(2.41)	
	1922 I0399	BCL-212-WP	---	---	1922 I0236	BCL-212-WP-PL	---	---	---	1/2/(12.7)	2	.520/(13.21)	1.750/(44.45)	.750/(19.05)	.474/(12.04)	.336/(8.53)	.095/(2.41)	
H	1922 I0594	BCL-110	---	---	1922 I0595	BCL-110-PL	---	---	---	#10/(4.83)	1	.214/(5.45)	1.718/(43.64)	.656/(16.66)	.446/(11.33)	.360/(9.14)	.100/(2.54)	H
	1922 I0421	BCL-114	---	---	1922 I0420	BCL-114-PL	---	---	---	1/4/(6.4)	1	.278/(7.06)	1.718/(43.64)	.656/(16.66)	.446/(11.33)	.360/(9.14)	.100/(2.54)	
	1922 I0396	BCL-1516	---	---	1922 I0237	BCL-1516-PL	---	---	---	5/16/(7.9)	1	.340/(8.63)	1.718/(43.64)	.656/(16.66)	.446/(11.33)	.360/(9.14)	.100/(2.54)	
	1922 I0378	BCL-138	---	---	1922 I0238	BCL-138-PL	---	---	---	3/8/(9.5)	1	.400/(10.16)	1.718/(43.64)	.656/(16.66)	.446/(11.33)	.360/(9.14)	.100/(2.54)	
	1922 I0580	BCL-138-WP	---	---	1922 I0581	BCL-138-WP-PL	---	---	---	3/8/(9.5)	1	.400/(10.16)	1.844/(46.84)	.750/(19.05)	.474/(12.04)	.360/(9.14)	.100/(2.54)	
	1922 I0395	BCL-112	---	---	1922 I0239	BCL-112-PL	---	---	---	1/2/(12.7)	1	.520/(13.21)	1.844/(46.84)	.750/(19.05)	.474/(12.04)	.360/(9.14)	.100/(2.54)	
G	 4 LOGO, AWG & STUD SIZE 4 AWG WIRE SIZE STAMPED ON BARREL FLARED BARREL FOR EASY WIRE ENTRY "S" DIA. "L" "W" "C" "B" DIA. "T" 5 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.																	G
F																		F
E																		E
D																		D
C																		C
B	DETAIL C 1.20 TYP. 30.0 .350 ±.010 8.89 ±0.25																	B
A	DETAIL D 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	A
	DETAIL E 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL F 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL G 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL H 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL I 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL J 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL K 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL L 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL M 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL N 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL O 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL P 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL Q 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL R 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL S 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL T 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL U 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL V 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL W 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL X 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL Y 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL Z 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL AA 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL AB 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL AC 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL AD 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL AE 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL AF 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL AG 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL AH 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL AI 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	
	DETAIL AJ 1.20 TYP. 30.0 .290 ±.010 7.37 ±0.25																	

tb_frame_C_P_ME-T
Rev. D 2004/04/02

12

11

10

9

8

7

6

5

4

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2

1

ADDED DETAIL E
EC NO: ETC2006-0005
DRAWN: SHADECK 2005/11/23
CHKD: ROSS 2005/11/23
APPR: JPAWLICK 2005/11/23

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
DRAWN BY DATE
BE 06/26/02
CHECKED BY DATE
HB 06/26/02
APPROVED BY DATE
RD 06/26/02

MATERIAL NO.
SEE CHART

DOCUMENT NO.
SD-19221-010

SHEET NO.
1 OF 1

EYELET STYLE
COPPER TERMINALS
4, 2, & 1 AWG LUGS
MOLEX INCORPORATED

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