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Part Number:

0192210451

Status:

Active

Description:

Compression Style Ring Tongue Terminal for 4 AWG Wire, Stud Style 10, Un-Plated

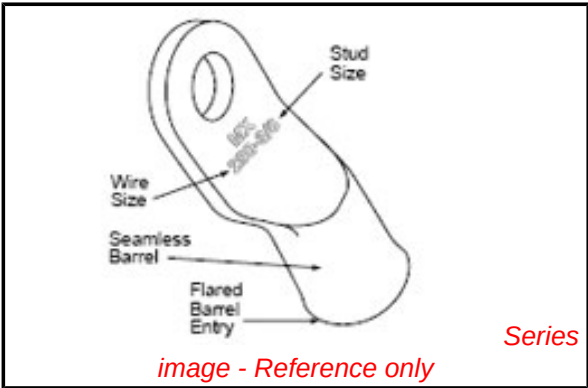


image - Reference only

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
Stud Size	10 (M5)
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	N/A
Wire Size AWG	4
Wire Size mm²	96.3 - 117.0
Material Info	
Old Part Number	BCL-410
Reference - Drawing Numbers	
Sales Drawing	SD-19221-010

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	0192900007

This document was generated on 04/12/2010

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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 5 IF TONGUE IS TO BE BENT AT ANY ANGLE, IT MUST BE BENT AROUND A RADIUS ONE HALF THE TONGUE THICKNESS. FLARED BARREL FOR EASY WIRE ENTRY "S" DIA. "L" "W" "C" "B" DIA. "T" DETAIL C DETAIL D DETAIL E <tr><td>F</td><td>F</td></tr> <tr><td>E</td><td>E</td></tr> <tr><td>D</td><td>D</td></tr> <tr><td>C</td><td>C</td></tr> <tr><td>B</td><td colspan="17"> 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. </td><td>B</td></tr> <tr><td>A</td><td colspan="16"> ADDED DETAIL E EC NO: ETC2006-0005 2005/11/23 DRWN: SHADECK CHKD: ROSS APPR: JPAWLICK 2005/11/23 DESCRIPTION REV QUALITY SYMBOLS ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED)<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>3 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>2 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>1 PLACE</td><td>±---</td><td>±---</td></tr><tr><td colspan="3">ANGULAR ±---</td></tr></table> DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE IN/MM DRAWN BY BE CHECKED BY HB APPROVED BY RD DATE 06/26/02 DATE 06/26/02 DATE 06/26/02 SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION EYELET STYLE COPPER TERMINALS 4, 2, & 1 AWG LUGS MOLEX INCORPORATED MATERIAL NO. SEE CHART DOCUMENT NO. SD-19221-010 SHEET NO. 1 OF 1 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION </td><td>A</td></tr> <tr><td></td><td>1b_frame_C_P_ME_T Rev. D 2004/04/02</td><td>12</td><td>11</td><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td></td></tr>																	F	F	E	E	D	D	C	C	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.																	B	A	ADDED DETAIL E EC NO: ETC2006-0005 2005/11/23 DRWN: SHADECK CHKD: ROSS APPR: JPAWLICK 2005/11/23 DESCRIPTION REV QUALITY SYMBOLS ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED)<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>3 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>2 PLACES</td><td>±---</td><td>±---</td></tr><tr><td>1 PLACE</td><td>±---</td><td>±---</td></tr><tr><td colspan="3">ANGULAR ±---</td></tr></table> DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE IN/MM DRAWN BY BE CHECKED BY HB APPROVED BY RD DATE 06/26/02 DATE 06/26/02 DATE 06/26/02 SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION EYELET STYLE COPPER TERMINALS 4, 2, & 1 AWG LUGS MOLEX INCORPORATED MATERIAL NO. SEE CHART DOCUMENT NO. SD-19221-010 SHEET NO. 1 OF 1 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±---	±---	1 PLACE	±---	±---	ANGULAR ±---			A		1b_frame_C_P_ME_T Rev. D 2004/04/02	12	11	10	9	8	7	6	5	4	3	2	1	
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Данный компонент на территории Российской Федерации

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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