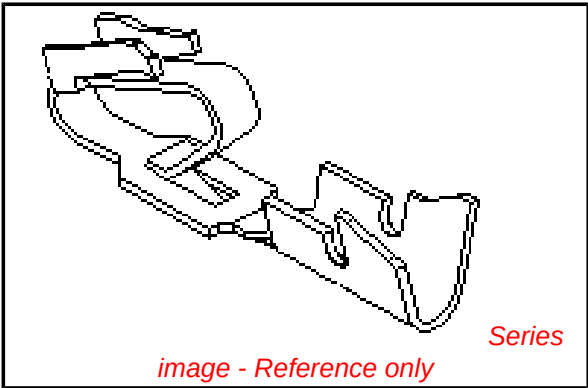


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0008520113
Status: Active
Overview: kk
Description: Trifurcon™ Crimp Terminal 6838, 18-20 AWG, Bag, Phosphor Bronze Tin (Sn)

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-40-02 \(PDF\)](#)

General	
Product Family	Crimp Terminals
Series	6838
Crimp Quality Equipment	Yes
Overview	kk
Product Name	Trifurcon™
Physical	
Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Bag
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.50
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	2.79mm (.110") max.
Wire Size AWG	18, 20
Wire Size mm²	N/A
Material Info	
Old Part Number	6838-A(P909)L
Reference - Drawing Numbers	
Packaging Specification	PK-2759-001
Product Specification	PS-40-02
Sales Drawing	SD-6838



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Halogen-Free

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

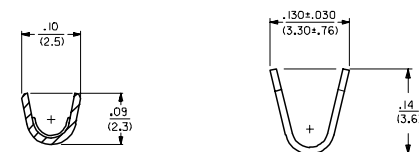
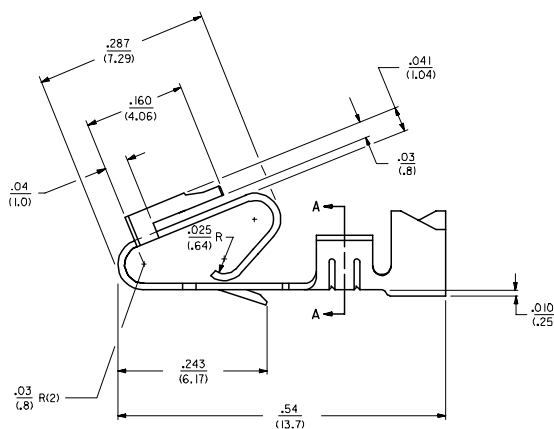
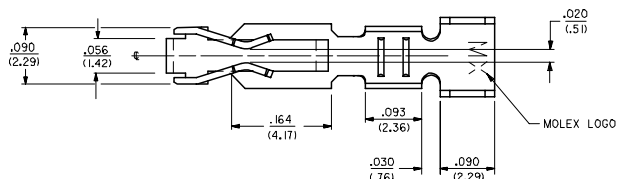
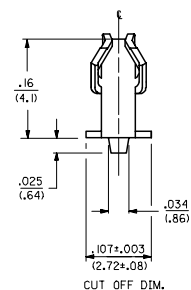
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
6838Series

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 #
Hand Crimper	0638117500

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

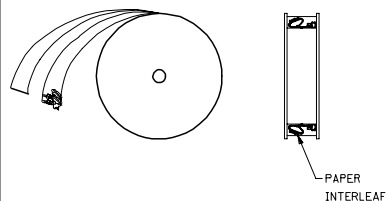
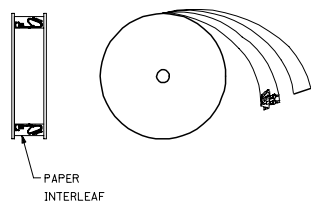


SECTION A-A

LEGEND: 6838-*

- (*) WINDING
 - A= PER DETAIL A
 - BLANK= PER DETAIL B
- FORM
 - BLANK= CHAIN
 - L= LOOSE
- PLATING

SEE NOTE 2



ADD NOTE 9 EC NO: UCP2008-0005 EC NO: UCP2008-0005 DPMKARRE 2007/07/08 CHK2: BELL 2007/07/09 APPROV: HILL 2007/07/09	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		SHIP/REV																														
	 	<table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES ±</td><td>±</td><td>±</td></tr><tr><td>3 PLACES ±</td><td>±.010</td><td>±</td></tr><tr><td>2 PLACES ±</td><td>±.025</td><td>±.015</td></tr><tr><td>1 PLACE ±</td><td>±0.36</td><td>±</td></tr></table>			mm	INCH	4 PLACES ±	±	±	3 PLACES ±	±.010	±	2 PLACES ±	±.025	±.015	1 PLACE ±	±0.36	±	<table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES ±</td><td>±</td><td>±</td></tr><tr><td>3 PLACES ±</td><td>±.010</td><td>±</td></tr><tr><td>2 PLACES ±</td><td>±.025</td><td>±.015</td></tr><tr><td>1 PLACE ±</td><td>±0.36</td><td>±</td></tr></table>			mm	INCH	4 PLACES ±	±	±	3 PLACES ±	±.010	±	2 PLACES ±	±.025	±.015	1 PLACE ±	±0.36	±	DRAWN BY GUZIK 11/15/89 CHECKED BY DATE 11/15/89 APPROVED BY DATE 11/15/89 LENZ		TITLE TRIFURC TERMINAL CRIMP TYPE, .156 CENTERS 18 TO 20 AWG WIRE MOLEX INCORPORATED		
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	ANGULAR ±1/2°		MATERIAL NO. SEE CHART SIZE D		DOCUMENT NO. SD-6838		SHEET NO. 1 OF 2																																	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																																							
AP2																																								

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																												
	6838-(*)*-*			6838-A(*)*-*																																												
M	PART NO.	ENG. NO.		PART NO.	ENG. NO.		PART NO.	ENG. NO.		PART NO.	ENG. NO.		PART NO.	ENG. NO.		PART NO.	ENG. NO.		PART NO.	ENG. NO.	M																											
	08-50-0187	6838-(P909)																																														
	08-50-0189	6838-(P909)L		08-58-0187	6838-A(P558)																																											
	08-50-0275	6838-(P909)-A		08-58-0189	6838-A(P558)L																																											
	08-50-0026	6838-(P102)		08-60-0001	6838-A(132)																																											
L		6838-(P102)L		08-60-0002	6838-A(132)L																L																											
	08-50-0028	6838-(102)		08-58-0102	6838-A(558)																																											
	08-50-0029	6838-(102)L			6838-A(558)L																																											
				08-58-0108	6838-A(503)																																											
				08-58-0109	6838-A(503)L																																											
				08-52-0112	6838-A(P909)																																											
				08-52-0113	6838-A(P909)L																																											
K				08-50-0024	6838-A(102)																K																											
				08-50-0251	6838-A(102)L																																											
				08-58-0105	6838-A(P555)																																											
				08-58-0106	6838-A(P555)L																																											
				08-58-0110	6838-A(P561)																																											
				08-58-0111	6838-A(P561)L																																											
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				08-58-0131	6838-A(550)																																											
				08-58-0132	6838-A(550)L																																											
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C																					C																											
B	UPDATE TITLE BLOCK EC NO: UCP-2008-0005 DESIGNED BY: JORMAN ADERR CHKD: J.BELL APPROVED BY: J.M. TH DATE: 2007/07/03 DATE: 2007/07/09 DATE: 2007/07/09 QUALITY SYMBOLS ▽=0 ▽=0 DESCRIPTION REV GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± .000</td><td>± .000</td></tr><tr><td>3 PLACES</td><td>± .000</td><td>± .000</td></tr><tr><td>2 PLACES</td><td>± .000</td><td>± .000</td></tr><tr><td>1 PLACE</td><td>± .000</td><td>± .000</td></tr></table> ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE IN/MM <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>GUZIK</td><td>11/15/89</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>PATEL</td><td>11/15/89</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>LENZ</td><td>11/15/89</td></tr></table> MATERIAL NO. SEE CHART THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION SCALE --- DESIGN UNITS INCH THIRD ANGLE PROJECTION TITLE TRIFURCON TERMINAL CRIMP TYPE, .156 CENTERS 18 TO 20 AWG WIRE MOLEX INCORPORATED DOCUMENT NO. SD-6838 SHEET NO. 2 OF 2																						mm	INCH	4 PLACES	± .000	± .000	3 PLACES	± .000	± .000	2 PLACES	± .000	± .000	1 PLACE	± .000	± .000	DRAWN BY	DATE	GUZIK	11/15/89	CHECKED BY	DATE	PATEL	11/15/89	APPROVED BY	DATE	LENZ	11/15/89
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A	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																													

UPDATE TITLE BLOCK

REC NO: UCP2008-0005
2007/07/03
DRAWN BY: GUZIK
CHKD: BELL
APPROV: SMITH
2007/07/09
2007/07/09

QUALITY SYMBOLS
▽=0
▽=0

DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±----	±----
3 PLACES	±----	±----
2 PLACES	±----	±----
1 PLACE	±----	±----

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM

DRAWN BY: GUZIK
DATE: 11/15/89
CHECKED BY: PATEL
DATE: 11/15/89
APPROVED BY: LENZ
DATE: 11/15/89

MATERIAL NO.:
DOCUMENT NO.: SD-6838

SIZE: D

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SCALE

DESIGN UNITS
INCH

THIRD ANGLE PROJECTION

TITLE
TRIFURCON TERMINAL
CRIMP TYPE, .156 CENTERS
18 TO 20 AWG WIRE

MOLEX
MOLEX INCORPORATED

SHEET NO.
2 OF 2