

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0008500189
Status: Active
Overview: kk
Description: Trifurcon™ Crimp Terminal 6838, 18-20 AWG, Bag, Brass Tin (Sn)

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

General	
Product Family	Crimp Terminals
Series	6838
Crimp Quality Equipment	Yes
Overview	kk
Product Name	Trifurcon™
Physical	
Gender	Female
Material - Metal	Brass
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-(P909)L
Reference - Drawing Numbers	
Packaging Specification	PK-2759-001
Product Specification	PS-40-02
Sales Drawing	SD-6838

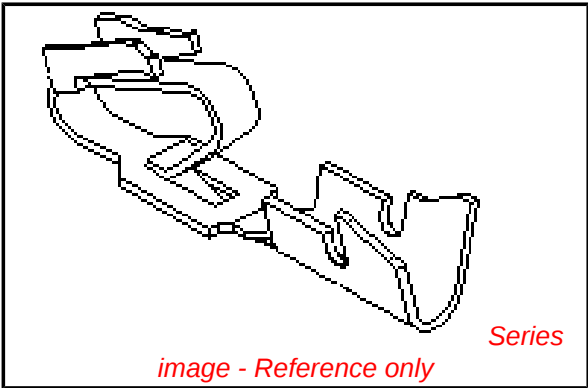


image - Reference only

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](#)

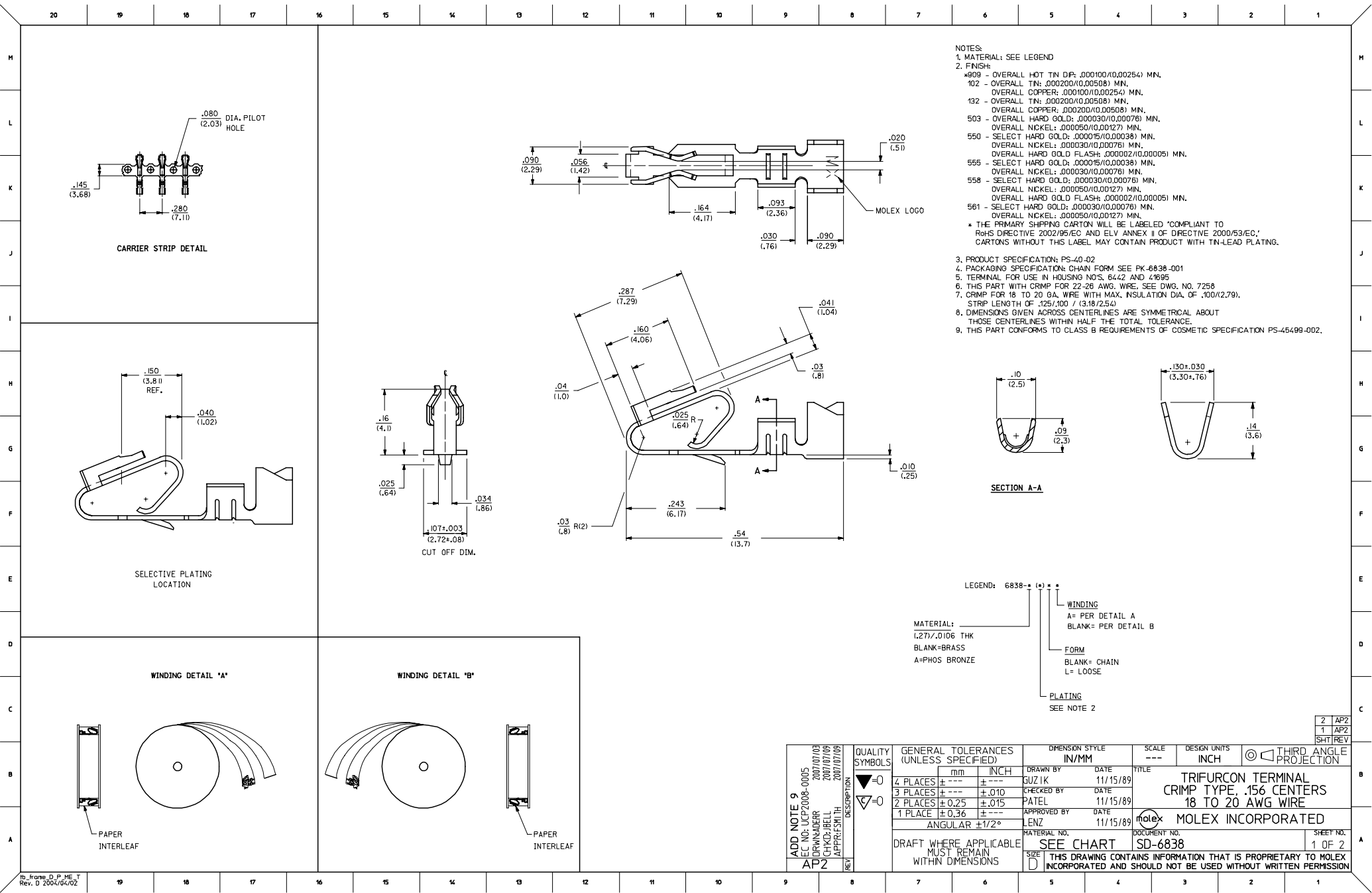
Please visit the [Contact Us](#) section for any non-product compliance questions.

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

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- NOTES:
1. MATERIAL: SEE LEGEND
 2. FINISH:
 - *909 - OVERALL HOT TIN DIP: .000100/(0.00254) MIN.
 - 102 - OVERALL TIN: .000200/(0.00508) MIN.
 - OVERALL COPPER: .000100/(0.00254) MIN.
 - 132 - OVERALL TIN: .000200/(0.00508) MIN.
 - OVERALL COPPER: .000200/(0.00508) MIN.
 - 503 - OVERALL HARD GOLD: .000030/(0.00076) MIN.
 - OVERALL NICKEL: .000050/(0.00127) MIN.
 - 550 - SELECT HARD GOLD: .000015/(0.00038) MIN.
 - OVERALL NICKEL: .000030/(0.00076) MIN.
 - OVERALL HARD GOLD FLASH: .000002/(0.00005) MIN.
 - 555 - SELECT HARD GOLD: .000015/(0.00038) MIN.
 - OVERALL NICKEL: .000030/(0.00076) MIN.
 - 558 - SELECT HARD GOLD: .000030/(0.00076) MIN.
 - OVERALL NICKEL: .000050/(0.00127) MIN.
 - OVERALL HARD GOLD FLASH: .000002/(0.00005) MIN.
 - 561 - SELECT HARD GOLD: .000030/(0.00076) MIN.
 - OVERALL NICKEL: .000050/(0.00127) MIN.
 - * THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO ROHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC." CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING.
 3. PRODUCT SPECIFICATION: PS-40-02
 4. PACKAGING SPECIFICATION: CHAIN FORM SEE PK-6838-001
 5. TERMINAL FOR USE IN HOUSING NOS. 6442 AND 41695
 6. THIS PART WITH CRIMP FOR 22-26 AWG. WIRE. SEE DWG. NO. 7258
 7. CRIMP FOR 18 TO 20 GA. WIRE WITH MAX. INSULATION DIA. OF .100/(2.79). STRIP LENGTH OF .125/100 / (3.18/2.54)
 8. DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN HALF THE TOTAL TOLERANCE.
 9. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

LEGEND: 6838--(*)

MATERIAL:
(.27)/.0106 THK
BLANK=BRASS
A=PHOS BRONZE

WINDING
A= PER DETAIL A
BLANK= PER DETAIL B

FORM
BLANK= CHAIN
L= LOOSE

PLATING
SEE NOTE 2

ADD NOTE 9		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: UCP2008-0005		DRAWN BY		mm		IN/MM		---		INCH		THIRD ANGLE PROJECTION	
2007/07/03		GURZIK		4 PLACES ± --- ± ---		DRAWN BY		DATE		DATE		TITLE	
2007/07/09		CHEN		3 PLACES ± --- ± .010		CHECKED BY		DATE		DATE		TRIFURCON TERMINAL	
2007/07/09		APPROVED BY		2 PLACES ± 0.25 ± .015		DATE		11/15/89		11/15/89		CRIMP TYPE, .156 CENTERS	
				1 PLACE ± 0.36 ± ---		APPROVED BY		DATE		DATE		18 TO 20 AWG WIRE	
				ANGULAR ± 1/2°		LENZ		11/15/89		11/15/89		MOLEX INCORPORATED	
						MATERIAL NO.		DOCUMENT NO.		SD-6838		SHEET NO.	
						SEE CHART						1 OF 2	
						DRAFT WHERE APPLICABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
						MUST REMAIN WITHIN DIMENSIONS							

	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)																
K				08-52-0113	6838-A(P909)L																K
				08-50-0024	6838-A(102)																
				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																
J																					J
				08-58-0118	6838-A(561)																
				08-58-0119	6838-A(561)L																
				08-58-0131	6838-A(550)																
I				08-58-0132	6838-A(550)L																I
H																					H
G																					G
F																					F
E																					E
D																					D
C																					C
B																					B
A																					A

1b_Frame 0_P_ME_T
Rev. E 2006/04/15

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.

SCALE

DESIGN UNITS
INCH

THIRD ANGLE PROJECTION

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

MOLEX
MOLEX INCORPORATED

SD-6838

SHEET NO.
2 OF 2

SIZE
D

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<http://moschip.ru/get-element>

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

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

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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