

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)

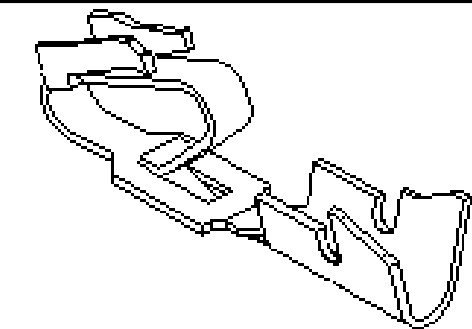


image - Reference only

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

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?

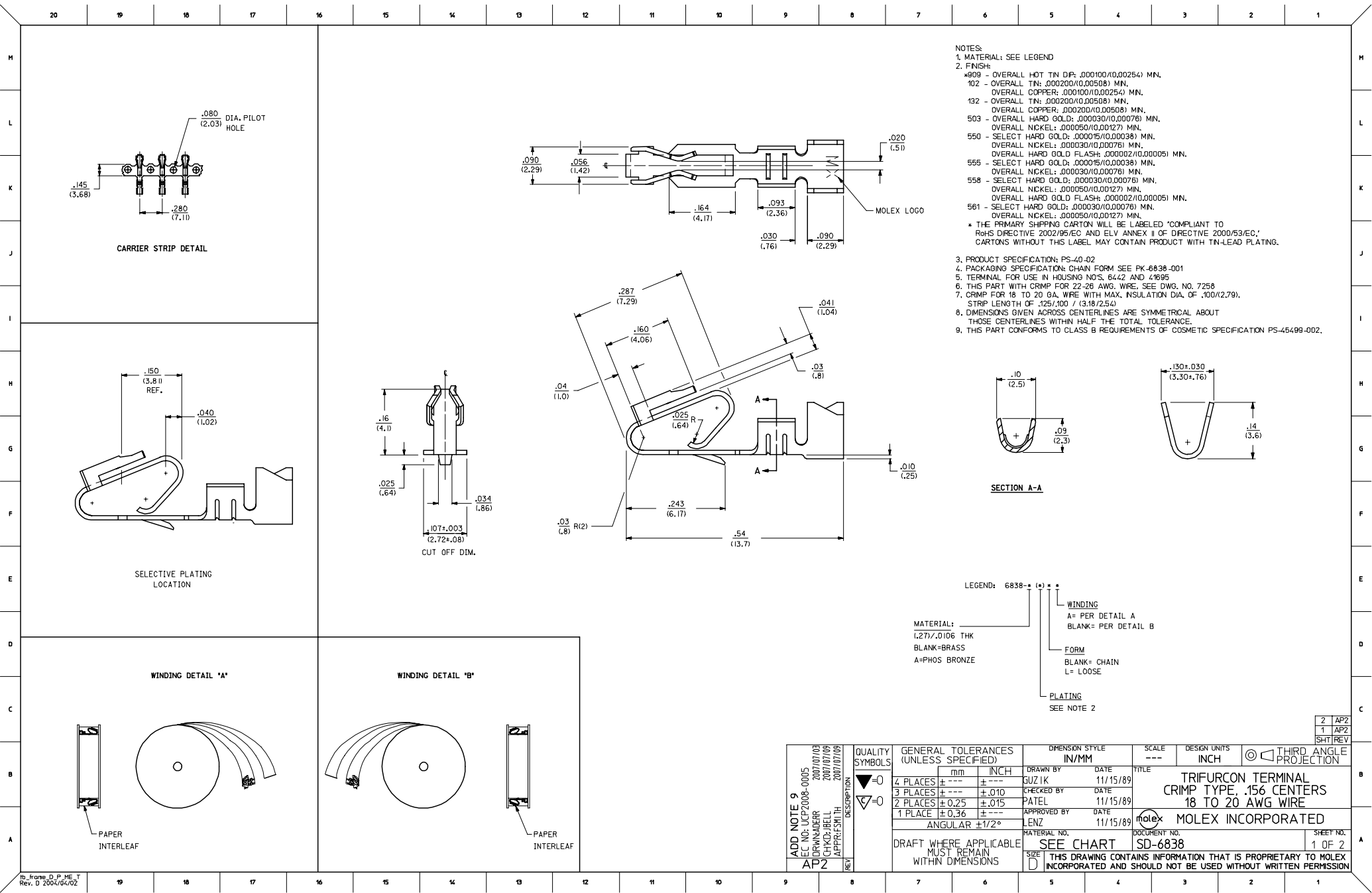
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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 EC NO: UCP2008-0005 DRAWN BY: 2007/07/03 CHKD: BELL 2007/07/09 APPROV: JH 2007/07/09	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---		DESIGN UNITS INCH		 THIRD ANGLE PROJECTION	TITLE TRIFURCON TERMINAL CRIMP TYPE, .156 CENTERS 18 TO 20 AWG WIRE MOLEX INCORPORATED	SHEET NO. 1 OF 2
		mm INCH		DRAWN BY DATE		TITLE						
		4 PLACES ±.005 ±.005		GUZIK 11/15/89								
		3 PLACES ±.010 ±.010		CHECKED BY DATE								
		2 PLACES ±.025 ±.015		PATEL 11/15/89								
		1 PLACE ±.036 ±.015		APPROVED BY DATE								
		ANGULAR ±1/2°		LENZ 11/15/89								
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		RATERIAL NO. SEE CHART		DOCUMENT NO. SD-6838						
				SIZE D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

	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)																
		6838-(P102)L		08-60-0002	6838-A(132)L																
L	08-50-0028	6838-(102)		08-58-0102	6838-A(558)																L
	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																
J																					J
				08-58-0118	6838-A(561)																
				08-58-0119	6838-A(561)L																
				08-58-0131	6838-A(550)																
				08-58-0132	6838-A(550)L																
I																					I
H																					H
G																					G
F																					F
E																					E
D																					D
C																					C
B																					B
A																					A

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

MATERIAL NO.

DOCUMENT NO.

SD-6838

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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