

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0008580189

Status:

Active

Overview:

kk

Description:

Trifurcon™ Crimp Terminal 6438, 18-20 AWG, Bag, Phosphor Bronze Gold (Au)

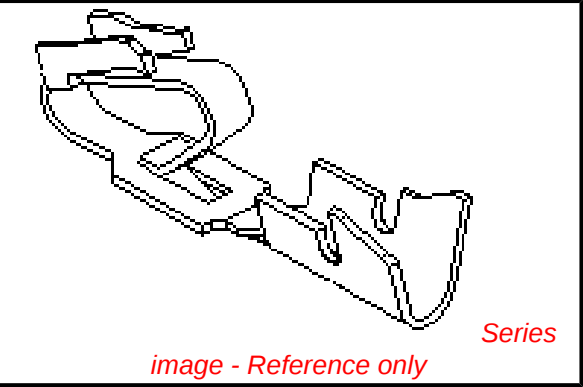


image - Reference only

Series

Documents:

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

General

Product Family

Series

Crimp Quality Equipment

Overview

Product Name

Crimp Terminals

6838

Yes

kk

Trifurcon™

Physical

Gender

Material - Metal

Material - Plating Mating

Material - Plating Termination

Packaging Type

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Termination Interface: Style

Wire Insulation Diameter

Wire Size AWG

Wire Size mm²

Female

Phosphor Bronze

Gold

Nickel

Bag

30

0.75

50

1.25

Crimp or Compression

2.79mm (.110") max.

18, 20

N/A

Material Info

Old Part Number

6838-A(P558)L

Reference - Drawing Numbers

Packaging Specification

Product Specification

Sales Drawing

PK-2759-001

PS-40-02

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

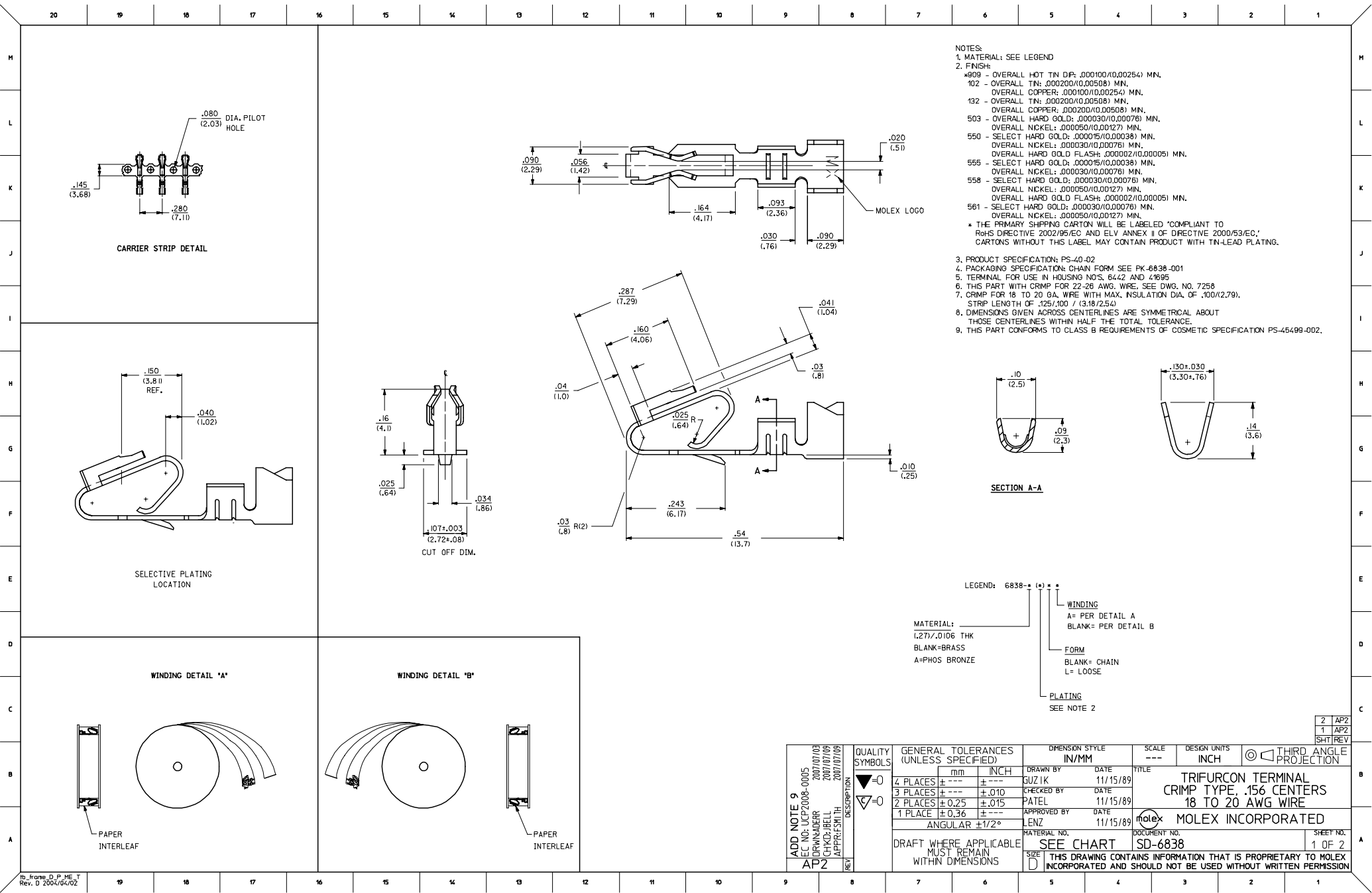
Application Tooling | FAQ

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



- 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	DESCRIPTION	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					
			4 PLACES ± ---	± ---	GUZIK	11/15/89					
			3 PLACES ± ---	± .010	CHECKED BY	DATE					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	REV	DESCRIPTION	2 PLACES ± 0.25	± .015	PATEL	11/15/89	MATERIAL NO. SD-6838	DOCUMENT NO.	MOLEX INCORPORATED	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SHEET NO. 1 OF 2
			1 PLACE ± 0.36	± ---	APPROVED BY	DATE					
			ANGULAR ± 1/2°		LENZ	11/15/89					

	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																	
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 EC NO: UCP-2008-0005 DRAWN BY: JORNADEER CHKD: BELL APPROV: SM TH	2007/07/03 2007/07/09 2007/07/09	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
				4 PLACES	± --- ± ---	DRAWN BY	DATE	TITLE TRIFURCON TERMINAL CRIMP TYPE, .156 CENTERS 18 TO 20 AWG WIRE MOLEX INCORPORATED		
				3 PLACES	± --- ± ---	CHECKED BY	DATE			
				2 PLACES	± --- ± ---	PATEL	11/15/89			
1 PLACE	± --- ± ---	APPROVED BY	DATE	MATERIAL NO. SD-6838	DOCUMENT NO. 2 OF 2					
ANGULAR ±1/2°		LENZ	11/15/89							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

10	9	8	7	6	5	4	3	2	1
----	---	---	---	---	---	---	---	---	---

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	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

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
MOLEX INCORPORATED

SHEET NO.
2 OF 2