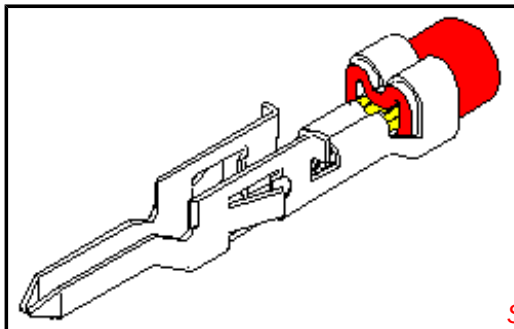
This document was generated on 05/27/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0444783112
Status: Active
Overview: minifit_plus_hcs
Description: Mini-Fit HCS™ Crimp Terminal, 16 AWG, Bag, Copper (Cu) Alloy, Tin (Sn)



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-44476-001 (PDF)

General

Product Family	Crimp Terminals
Series	44478
Comments	High Current
Crimp Quality Equipment	Yes
Overview	minifit_plus_hcs
Product Name	Mini-Fit HCS™

Physical

Gender	Male
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Bag
Plating min: Mating (µin)	101.6
Plating min: Mating (µm)	2.54
Plating min: Termination (µin)	101.6
Plating min: Termination (µm)	2.54
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.80-3.10mm (.071-.122")
Wire Size AWG	16
Wire Size mm²	N/A

Electrical

Current - Maximum per Contact	11A

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-5556-003
Product Specification	PS-44476-001, RPS-44476-001
Sales Drawing	SD-44478-****

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
44478Series

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 Crimp Tool for Mini-Fit™ Jr. Male and Female Crimp Terminals, 16-24 AWG	0638190900
Extraction Tool	0011030044

This document was generated on 05/27/2010

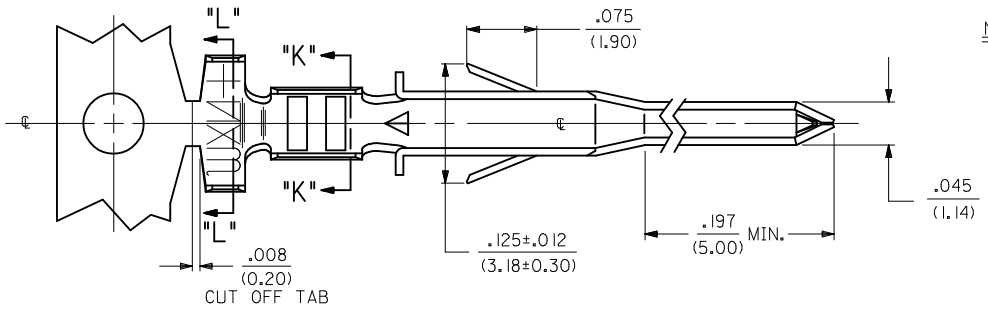
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

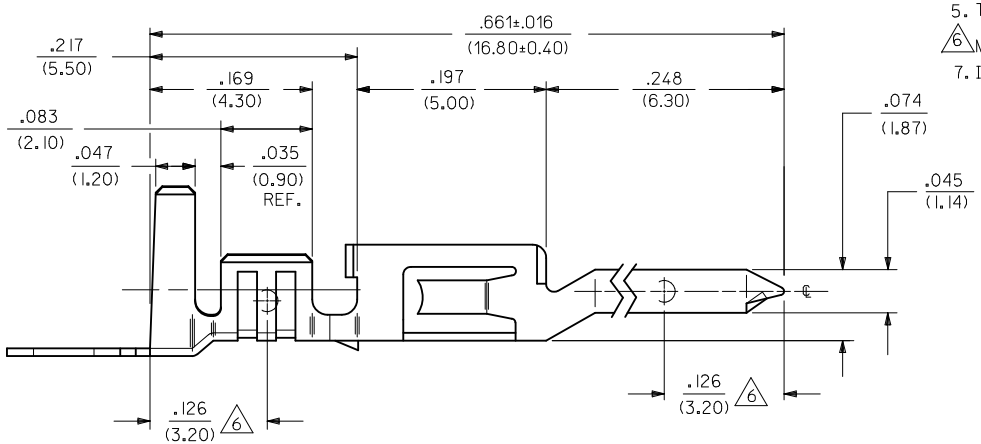
ITEM NO.	FORM	WIRE GAGE	RANGE OF INSULATION DIA.	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"	DIM. "F"
44478-1111	CHAIN	18-20 GA.	.051-.122 (1.30-3.10)	.075±.012 (1.90±.30)	.091±.016 (2.30±.40)	.020 (.50)	.142±.012 (3.60±.30)	.177±.016 (4.50±.40)	.035 (.90)
44478-1112	LOOSE								
44478-3111	CHAIN	16 GA.	.122 (3.10) MAX.	.091±.012 (2.30±.30)	.106±.016 (2.70±.40)	.024 (.60)	.142±.012 (3.60±.30)	.177±.016 (4.50±.40)	.035 (.90)
44478-3112	LOOSE								
44478-1211	CHAIN	18-20 GA.	.051-.122 (1.30-3.10)	.075±.012 (1.90±.30)	.091±.016 (2.30±.40)	.020 (.50)	.142±.012 (3.60±.30)	.177±.016 (4.50±.40)	.035 (.90)
44478-1212	LOOSE								
44478-3211	CHAIN	16 GA.	.122 (3.10) MAX.	.091±.012 (2.30±.30)	.106±.016 (2.70±.40)	.024 (.60)	.142±.012 (3.60±.30)	.177±.016 (4.50±.40)	.035 (.90)
44478-3212	LOOSE								

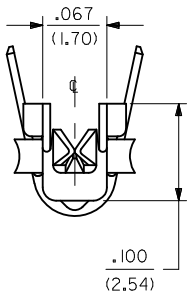
LEGEND:

44478 - * * 1 *

- BASE NO.
- WIRE GAGE: 1 = 18-20 AWG; 3 = 16 AWG
- PLATING: SEE NOTE 2
- CHAIN OR LOOSE: "1" = CHAIN; "2" = LOOSE

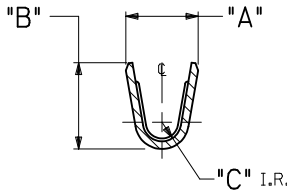




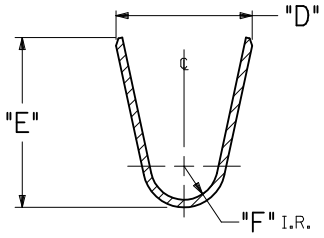


NOTES:

1. MATERIAL:
   COPPER ALLOY, .008/(0.20) THICK.
2. FINISH:
   *1= PLATING: POSTPLATE .000100/(.00254) MIN. BRIGHT TIN OVER .000030/(.00076) MIN. NICKEL OVERALL.
   *2=PLATING: POSTPLATE .000030/(.000076) MIN. SELECT GOLD AND .000100/(0.00254) MIN. MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL.
   *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-44476-001.
4. PACKAGING SPECIFICATION: PK-44478-001 FOR CHAIN TERMINALS
   PK-5556-003 FOR LOOSE TERMINALS
5. TERMINAL IS FOR USE WITH MOLEX PLUG HOUSINGS 5559, 30068 AND 42475.
6. MEASURING POINT FOR PLATING THICKNESS.
7. ITEM NUMBERS PRECEEDED BY AN "X" IN THE CHART ARE NOT AVAILABLE.



SECT. "K-K"
(VIEW ROTATED 90° CW)



SECT. "L-L"
(VIEW ROTATED 90° CW)

MODIFIED NOTES
EC NO: UCP2010-0471 2009/12/23
DRWN: JJAGUILAR 2009/12/23
CHKD: JBELL
APPR: FSMITH 2009/12/28
DESCRIPTION
G1
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	GEP	DATE 1994/07/25
CHECKED BY	RJF	DATE 1994/07/25
APPROVED BY	RJF	DATE 1994/07/25

TITLE: TERMINAL, MALE, CRIMP MINI-FIT JR HCS SERIES

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-44478-****
SHEET NO.: 1 OF 1
SIZE: C

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