

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0430310003

Status:

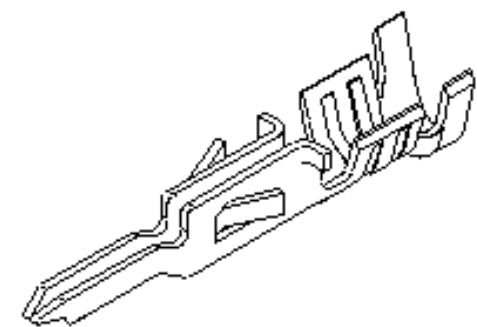
Active

Overview:

[microfit_30](#)

Description:

Micro-Fit 3.0™ Crimp Terminal, Male, with Select Gold (Au) Plated Tin/Brass Alloy Contact, 20-24 AWG, Reel



Series

image - Reference only

Documents:

- [Drawing \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)
- [Product Specification PS-43045 \(PDF\)](#)

General

Product Family	Crimp Terminals
Series	43031
Crimp Quality Equipment	Yes
Overview	microfit_30
Product Literature Order No	USA-106
Product Name	Micro-Fit 3.0™

Physical

Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Packaging Type	Reel
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.85mm (.073") max.
Wire Size AWG	20, 22, 24
Wire Size mm²	N/A

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-43031-001
Product Specification	PS-43045, RPS-43045-003, RPS-43045-004
Sales Drawing	SD-43031-****
Test Summary	TS-43045-002

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

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

[43031Series](#)

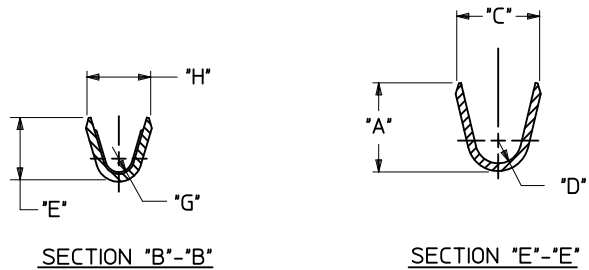
Application Tooling | FAQ
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global	
Description	Product #
Insertion Tool for Micro-Fit 3.0™ Crimp Terminal	0638120800
Fine Adjust Applicator for Micro-Fit 3.0™ Crimp Terminals	0639018800
Fine Adjust Applicator for Micro-Fit 3.0™ Crimp Terminals	0639018900

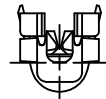
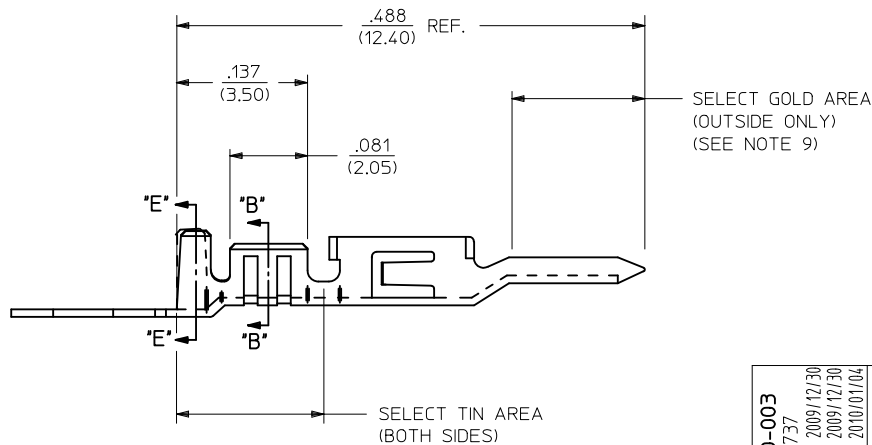
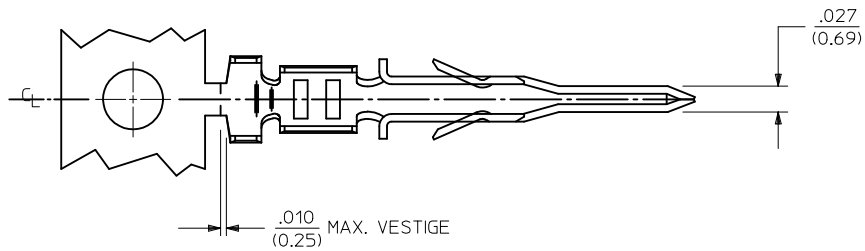
T2 Terminator Micro-	<u>0639118800</u>
Fit 3.0™ Crimp	
Terminals	
T2 Terminator Micro-	<u>0639118900</u>
Fit 3.0™ Crimp	
Terminals	
FineAdjust™	<u>0639004500</u>
Applicator for Micro-	
Fit 3.0™ Crimp	
Terminals, Male &	
Female, 20-24 AWG	
T2 Terminator Die	<u>0639104500</u>
Hand Crimp Tool	<u>0638190000</u>
Extraction Tool	<u>0011030043</u>

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AWG:	MAX. INSULATION
20-24	.073/(1.85)
26-30	.050/(1.27)



NOTES:

- 1) MATERIAL : PHOSPHOR BRONZE ALLOY
- 2) TERMINAL PLATING:
A = HOT TIN DIP: .000040/(0.00102) MIN.
B = .000015/(0.00038) MIN. SELECT GOLD
.000100/(0.002543) MIN. SELECT TIN
OVER .000050/(0.00127) MIN. NICKEL
C = .000030/(0.00076) MIN. SELECT GOLD
.000100/(0.002543) MIN. SELECT TIN
OVER .000050/(0.00127) MIN. NICKEL
* MATERIAL NUMBERS WITH SELECT PLATING ARE POST-PLATED AFTER FORMING.
- 3) PRODUCT SPECIFICATION : PS-43045, PS-43650, PS-44300-001
- 4) PACKAGING SPECIFICATION: PK-43031-001 (REEL), PK-43030-003 (LOOSE).
- 5) TERMINAL FOR USE IN MICRO FIT PLUG 43020-****, 43640-****, AND 44300-****.
- 6) FOR TERMINAL ORIENTATION IN PLUG SEE DRAWING SDA-43020-**** OR SD-43640-****.
- 7) THIS TERMINAL IS DESIGNED IN METRIC.
- 8) 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 IN THE PC TAIL AREA.
- 9) SOME GOLD MAY BE PRESENT ON INSIDE SURFACE.

ADD PK-43030-003 EC NO: UCP2010-0737 DRWN:SSOUSEK 2009/12/30 CHKD:SSOUSEK 2009/12/30 APPR:FSMTH 2010/01/04	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
					IN/MM		---	METRIC		
				mm	INCH	DRAWN BY	DATE	TITLE MICRO-FIT (3.0) MALE TERMINAL		
			4 PLACES	± ---	± ---	MUELLER	2002/08/13			
			3 PLACES	± ---	± .014	CHECKED BY	DATE			
			2 PLACES	± 0.25	± .010	MUELLER	2002/08/13			
			1 PLACE	± 0.35	± ---	APPROVED BY	DATE			
			ANGULAR ±1/2°			MARGULIS	2002/08/13	MOLEX MOLEX INCORPORATED		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.	DOCUMENT NO.		SHEET NO.	
						SEE CHART			SD-43031-****	1 OF 1
J3	REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							