

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0430310003

Status:

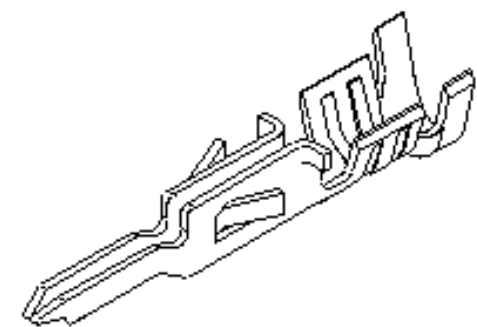
Active

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.

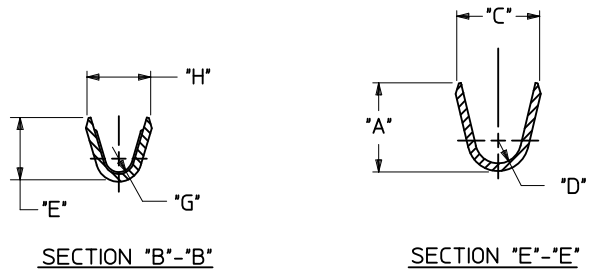
Global

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

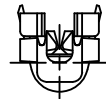
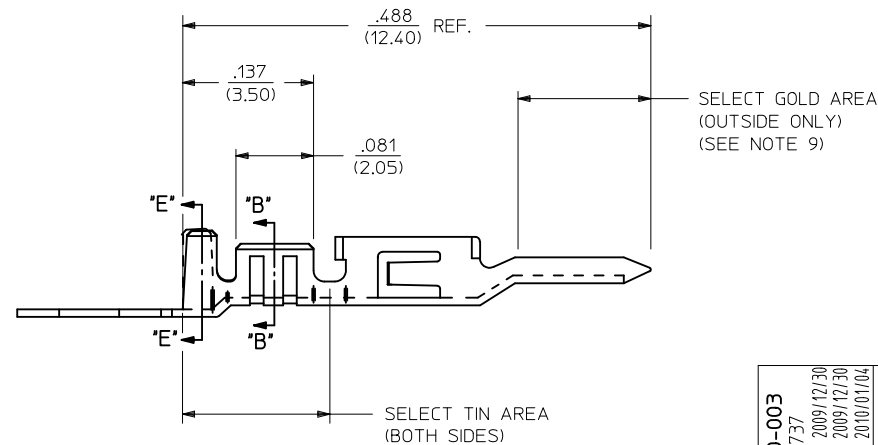
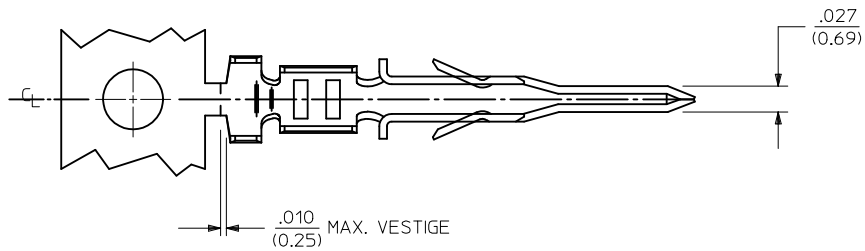
T2 Terminator Micro-	<u>0639118800</u>
Fit 3.0™ Crimp	
Terminals	
T2 Terminator Micro-	<u>0639118900</u>
Fit 3.0™ Crimp	
Terminals	
FineAdjust™	<u>0639004500</u>
Applicator for Micro-	
Fit 3.0™ Crimp	
Terminals, Male &	
Female, 20-24 AWG	
T2 Terminator Die	<u>0639104500</u>
Hand Crimp Tool	<u>0638190000</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:FSMITH 2010/01/04 REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .014 2 PLACES ± 0.25 ± .010 1 PLACE ± 0.35 ± --- ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE IN/MM DRAWN BY DATE MUELLER 2002/08/13 CHECKED BY DATE MUELLER 2002/08/13 APPROVED BY DATE MARGULIS 2002/08/13 MATERIAL NO. DOCUMENT NO. SEE CHART SD-43031-****	SCALE --- DESIGN UNITS METRIC THIRD ANGLE PROJECTION MICRO-FIT (3.0) MALE TERMINAL MOLEX INCORPORATED SD-43031-****	SHEET NO. 1 OF 1