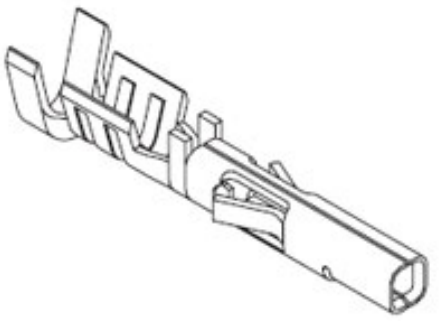
This document was generated on 06/07/2010

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** 0430300007
**Status:** Active
**Overview:** microfit_30
**Description:** Micro-Fit 3.0™ Crimp Terminal, Female, with Tin (Sn) Plated Tin/Brass Alloy Contact, 20-24 AWG, Bag



*Series image - Reference only*

**Documents:**
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-43045 (PDF)

## General

| | |
|---|---|
| Product Family | Crimp Terminals |
| Series | 43030 |
| Crimp Quality Equipment | Yes |
| MolexKits | Yes |
| Overview | microfit_30 |
| Product Literature Order No | USA-106 |
| Product Name | Micro-Fit 3.0™ |

## Physical

| | |
|---|---|
| Gender | Female |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Packaging Type | Bag |
| Plating min: Mating (µin) | 40 |
| Plating min: Mating (µm) | 1.00 |
| Plating min: Termination (µin) | 40 |
| Plating min: Termination (µm) | 1.00 |
| 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-43030-003 |
| Product Specification | PS-43045, RPS-43025-002, RPS-43045-003, RPS-43045-004 |
| Sales Drawing | SD-43030-**** |

**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**
43030Series

**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**

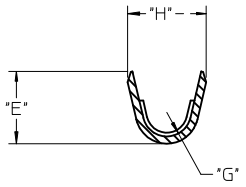
| Description | Product # |
|---|---|
| Extraction Tool | 0011030043 |
| Hand Crimp Tool | 0638190000 |
| Insertion Tool for Micro-Fit 3.0™ Crimp Terminal | 0638120800 |

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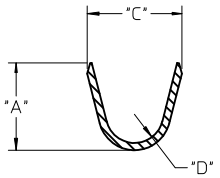
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

| WIRE SIZE | MAX INSULATION | "A" ±.012 ±0.30 | "C" ±.012 ±0.30 | "D" ±.005 ±0.13 | "E" ±.012 ±0.30 | "G" ±.005 ±0.13 | "H" ±.012 ±0.30 |
|---|---|---|---|---|---|---|---|
| 20-24 | .073/1.85 | .090/2.29 | .100/2.54 | .030/0.76 | .075/1.91 | .025/0.64 | .082/2.08 |
| 26-30 | .050/1.27 | .075/1.91 | .083/2.10 | .025/0.64 | .058/1.47 | .020/0.51 | .065/1.65 |

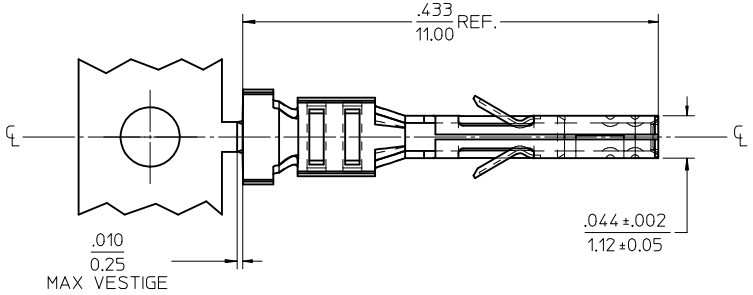
| MATERIAL NUMBER | PLATING | WIRE SIZE | FORM |
|---|---|---|---|
| 43030-0001 | A | 20-24 | CHAIN |
| 43030-0002 | B | 20-24 | CHAIN |
| 43030-0003 | C | 20-24 | CHAIN |
| 43030-0004 | A | 26-30 | CHAIN |
| 43030-0005 | B | 26-30 | CHAIN |
| 43030-0006 | C | 26-30 | CHAIN |
| 43030-0007 | A | 20-24 | LOOSE |
| 43030-0008 | B | 20-24 | LOOSE |
| 43030-0009 | C | 20-24 | LOOSE |
| 43030-0010 | A | 26-30 | LOOSE |
| 43030-0011 | B | 26-30 | LOOSE |
| 43030-0012 | C | 26-30 | LOOSE |

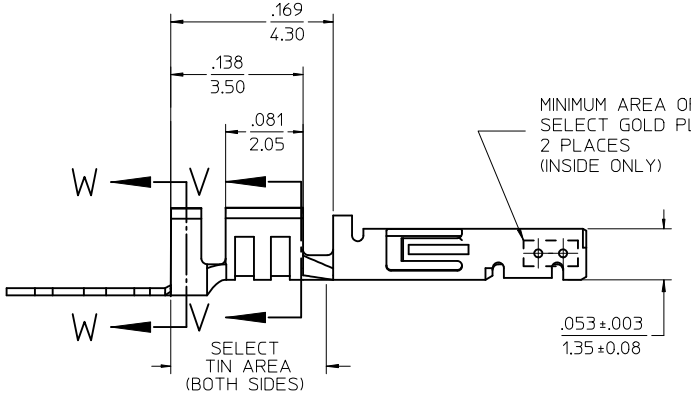


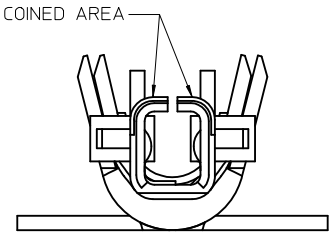

SECTION V-V




SECTION W-W




(SCALE 20:1)

NOTES

1) MATERIAL: PHOSPHOR BRONZE ALLOY
2) TERMINAL PLATING:
   "A" - HOT TIN DIP: .000040/0.00102 MIN.
   "B" - .000015/0.00038 MIN. SELECT GOLD
   .000100/0.00254 MIN. SELET TIN
   ALL OVER .000050/0.00127 MIN. NICKEL OVERALL.
   "C" - .000030/0.00076 MIN. SELECT GOLD
   .000100/0.00254 MIN. SELECT TIN
   ALL OVER .000050/0.00127 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 IN THE PC TAIL AREA.
   MATERIAL NUMBERS WITH SELECT PLATING ARE POST PLATED.
3) PRODUCT SPECIFICATION: PS-43045, PS-43650, PS-44300-001.
4) PACKAGING SPECIFICATION: PK-43030-001 (REEL), PK-43030-003 (LOOSE).
5) TERMINAL FOR USE IN A MICRO FIT RECEPTACLE #43025-****, 43645-****, AND 44133-****.
6) FOR TERMINAL ORIENTATION IN RECEPTACLE SEE DRAWING #SDA-43025 OR SDA-43645.
7) THIS TERMINAL IS DESIGNED IN METRIC.
8) MOLEX RECOMMENDS THE USE OF MICRO-FIT TEST PLUG (SERIES 44242) WHENEVER CONTINUITY TESTING IS PERFORMED. TEST PLUGS MUST NOT BE USED TO MAKE OR BREAK UNDER LOAD. MOLEX DOES NOT RECOMMEND USING STANDARD MATING COMPONENTS (SERIES 43020, 43045, 43640, 43650, OR 43031) FOR HARNESS TESTING PURPOSES.

ADD PK-43030-003 2009/12/30
EC NO: UCP2010-0737 2009/12/30
DRWN:SSOUSEK CH'KD:SSOUSEK 2010/01/04
APPR:FSMITH
DESCRIPTION
N1
REV

QUALITY SYMBOLS
▼=0
▽(C)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .010 |
| 2 PLACES | ± 0.25 | ± .014 |
| 1 PLACE | ± 0.35 | ± --- |
| ANGULAR ±1/2° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

| | | DATE |
|---|---|---|
| DRAWN BY | MUELLER | 2002/08/03 |
| CHECKED BY | MUELLER | 2002/08/03 |
| APPROVED BY | MARGULIS | 2002/08/03 |

TITLE: MICRO-FIT (3.0) FEMALE CRIMP TERMINAL

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-43030-****
SHEET NO.: 1 OF 1
SIZE: C

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