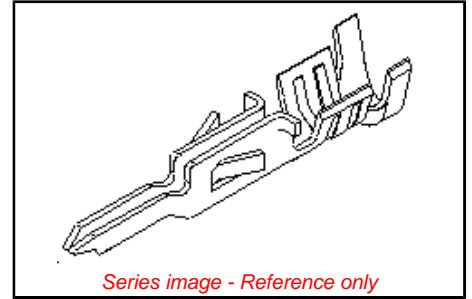


Part Number: [0430310009](#)
Status: **Active**
Overview: [Micro-Fit, 3.0™](#)
Description: Micro-Fit 3.0™ Crimp Terminal, Male, with Select Gold (Au) Plated Tin/Brass Alloy AWG, Bag



General

Product Family	Crimp Terminals
Series	43031
Overview	Micro-Fit, 3.0™
Product Name	Micro-Fit 3.0™

Physical

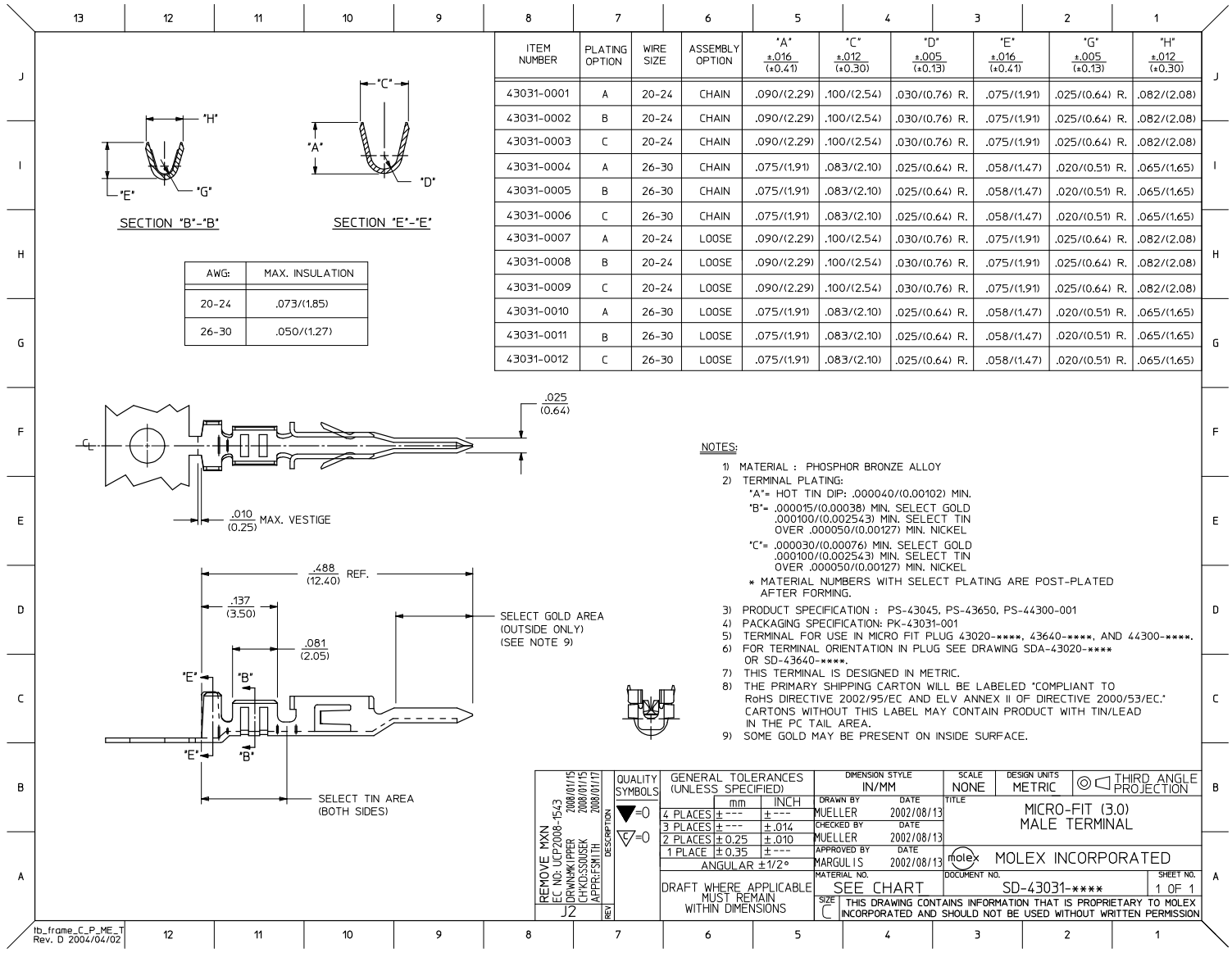
Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Packaging Type	Bag
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Termination Interface: Style	Crimp or Compression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

Material Info

EU RoHS
ELV and RoHS
Compliant

China RoHS





ITEM NUMBER	PLATING OPTION	WIRE SIZE	ASSEMBLY OPTION	'A' ±.016 (+0.41)	'C' ±.012 (+0.30)	'D' ±.005 (+0.13)	'E' ±.016 (+0.41)	'G' ±.005 (+0.13)	'H' ±.012 (+0.30)
43031-0001	A	20-24	CHAIN	.090/(2.29)	.100/(2.54)	.030/(0.76) R.	.075/(1.91)	.025/(0.64) R.	.082/(2.08)
43031-0002	B	20-24	CHAIN	.090/(2.29)	.100/(2.54)	.030/(0.76) R.	.075/(1.91)	.025/(0.64) R.	.082/(2.08)
43031-0003	C	20-24	CHAIN	.090/(2.29)	.100/(2.54)	.030/(0.76) R.	.075/(1.91)	.025/(0.64) R.	.082/(2.08)
43031-0004	A	26-30	CHAIN	.075/(1.91)	.083/(2.10)	.025/(0.64) R.	.058/(1.47)	.020/(0.51) R.	.065/(1.65)
43031-0005	B	26-30	CHAIN	.075/(1.91)	.083/(2.10)	.025/(0.64) R.	.058/(1.47)	.020/(0.51) R.	.065/(1.65)
43031-0006	C	26-30	CHAIN	.075/(1.91)	.083/(2.10)	.025/(0.64) R.	.058/(1.47)	.020/(0.51) R.	.065/(1.65)
43031-0007	A	20-24	LOOSE	.090/(2.29)	.100/(2.54)	.030/(0.76) R.	.075/(1.91)	.025/(0.64) R.	.082/(2.08)
43031-0008	B	20-24	LOOSE	.090/(2.29)	.100/(2.54)	.030/(0.76) R.	.075/(1.91)	.025/(0.64) R.	.082/(2.08)
43031-0009	C	20-24	LOOSE	.090/(2.29)	.100/(2.54)	.030/(0.76) R.	.075/(1.91)	.025/(0.64) R.	.082/(2.08)
43031-0010	A	26-30	LOOSE	.075/(1.91)	.083/(2.10)	.025/(0.64) R.	.058/(1.47)	.020/(0.51) R.	.065/(1.65)
43031-0011	B	26-30	LOOSE	.075/(1.91)	.083/(2.10)	.025/(0.64) R.	.058/(1.47)	.020/(0.51) R.	.065/(1.65)
43031-0012	C	26-30	LOOSE	.075/(1.91)	.083/(2.10)	.025/(0.64) R.	.058/(1.47)	.020/(0.51) R.	.065/(1.65)

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

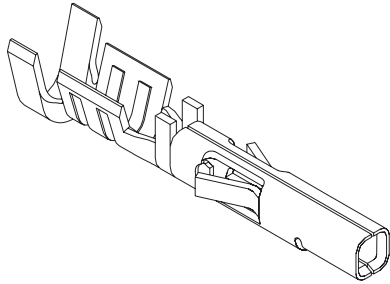
- NOTES:**
- MATERIAL : PHOSPHOR BRONZE ALLOY
 - TERMINAL PLATING:
 A = HOT TIN DIP: .000040/(0.00102) MIN.
 B = .000015/(0.00038) MIN. SELECT GOLD
 .000100/(0.00254) MIN. SELECT TIN
 OVER .000050/(0.00127) MIN. NICKEL
 C = .000030/(0.00076) MIN. SELECT GOLD
 .000100/(0.00254) MIN. SELECT TIN
 OVER .000050/(0.00127) MIN. NICKEL
 * MATERIAL NUMBERS WITH SELECT PLATING ARE POST-PLATED AFTER FORMING.
 - PRODUCT SPECIFICATION : PS-43045, PS-43650, PS-44300-001
 - PACKAGING SPECIFICATION: PK-43031-001
 - TERMINAL FOR USE IN MICRO FIT PLUG 43020-****, 43640-****, AND 44300-****.
 - FOR TERMINAL ORIENTATION IN PLUG SEE DRAWING SDA-43020-**** OR SD-43640-****.
 - THIS TERMINAL IS DESIGNED IN METRIC.
 - 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.
 - SOME GOLD MAY BE PRESENT ON INSIDE SURFACE.

REMOVE MXN EC NO: UCP2008-1543 2008/01/15 DRAWN/KIPPER 2008/01/15 CHKD:SONSEK 2008/01/17 APPROV:SMITH 2008/01/17	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM	SCALE NONE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	MICRO-FIT (3.0) MALE TERMINAL		
	▽=0	3 PLACES ± --- ± .014	CHECKED BY DATE	MOLEX INCORPORATED		
		2 PLACES ± 0.25 ± .010	APPROVED BY DATE	MATERIAL NO. DOCUMENT NO. SHEET NO.		
	1 PLACE ± 0.35 ± ---	ANGULAR ± 1/2°	MARGULIS 2002/08/13	SEE CHART	SD-43031-****	1 OF 1
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

lb_frame_C_P_ME_T
Rev. D 2004/04/02

3.00mm (.118") Pitch Micro-Fit 3.0™ Terminal

43030
Female



Features and Benefits

- 4 points of contact for optimum reliability
- Box-type spring contact for high normal force
- Locking tang secures terminal in housing

Reference Information

Product Specification: PS-43045/PS-43650
 Packaging: Bag or reel
 UL File No.: E29179
 CSA File No.: LR19980
 TUV License No.: R72040445
 Use With: 43025, 43645 and 44133 receptacles
 Designed In: Millimeters

Electrical

Voltage: 250V
 Current: 5.0A max.
 Contact Resistance: 10 milliohms max.

Mechanical

Contact Insertion Force: 1.5kgf max. (3.30 lb)
 Contact Retention to Housing: 2.5kgf min. (5.50 lb)
 Crimping Pull-Out Force:

Wire Gauge (AWG)	Kgf min. (lb)
20	6.0 (13.2)
22	4.5 (9.9)
24	3.6 (7.9)
26	2.7 (5.9)
28	1.8 (3.9)
30	1.4 (3.0)

Mating Force: 1.0kgf max. (2.2 lb) per contact
 Normal Force: 375gf max. (0.32 lb)

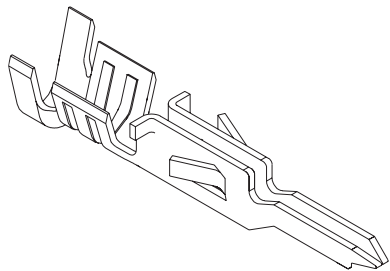
Physical

Contact: Phosphor Bronze
 Plating: Tin or Gold

Wire Size AWG	Plating	Order No.		Lead-free
		Reel	Bag	
20-24	Tin	43030-0001	43030-0007	Yes
26-30		43030-0004	43030-0010	
20-24	15µ" Gold	43030-0002	43030-0008	
26-30		43030-0005	43030-0011	
20-24	30µ" Gold	43030-0003	43030-0009	
26-30		43030-0006	43030-0012	

3.00mm (.118") Pitch Micro-Fit 3.0™ Terminal

43031
Male



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26-30		43031-0005	43031-0011	
20-24	30µ" Gold	43031-0003	43031-0009	
26-30		43031-0006	43031-0012	