

Distributed by:

JAMECO[®]
ELECTRONICS

www.Jameco.com ♦ 1-800-831-4242

The content and copyrights of the attached
material are the property of its owner.

Jameco Part Number 799959

FEATURES AND SPECIFICATIONS

Features and Benefits

- 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.: R95107

Use With: [43020](#) and [43640](#) plugs

Designed In: Millimeters

Electrical

Voltage: 250V

Current: 5.0A max.

Contact Resistance: 10mΩ 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	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)

Physical

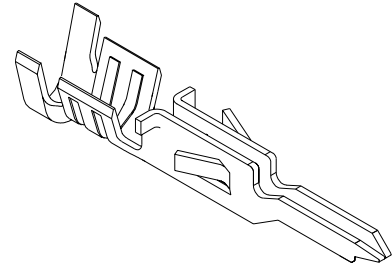
Contact: Phosphor Bronze

Plating: Tin or Gold

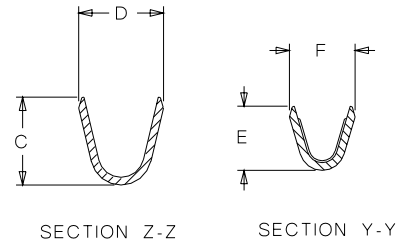
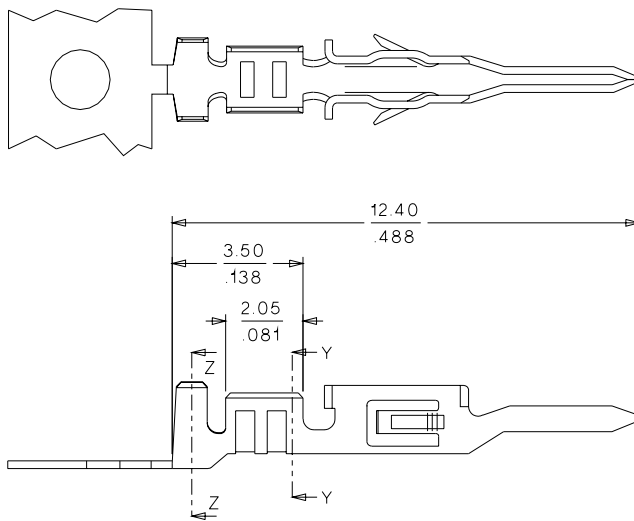


3.00mm (.118") Pitch Micro-Fit 3.0™ Terminal

43031 Male



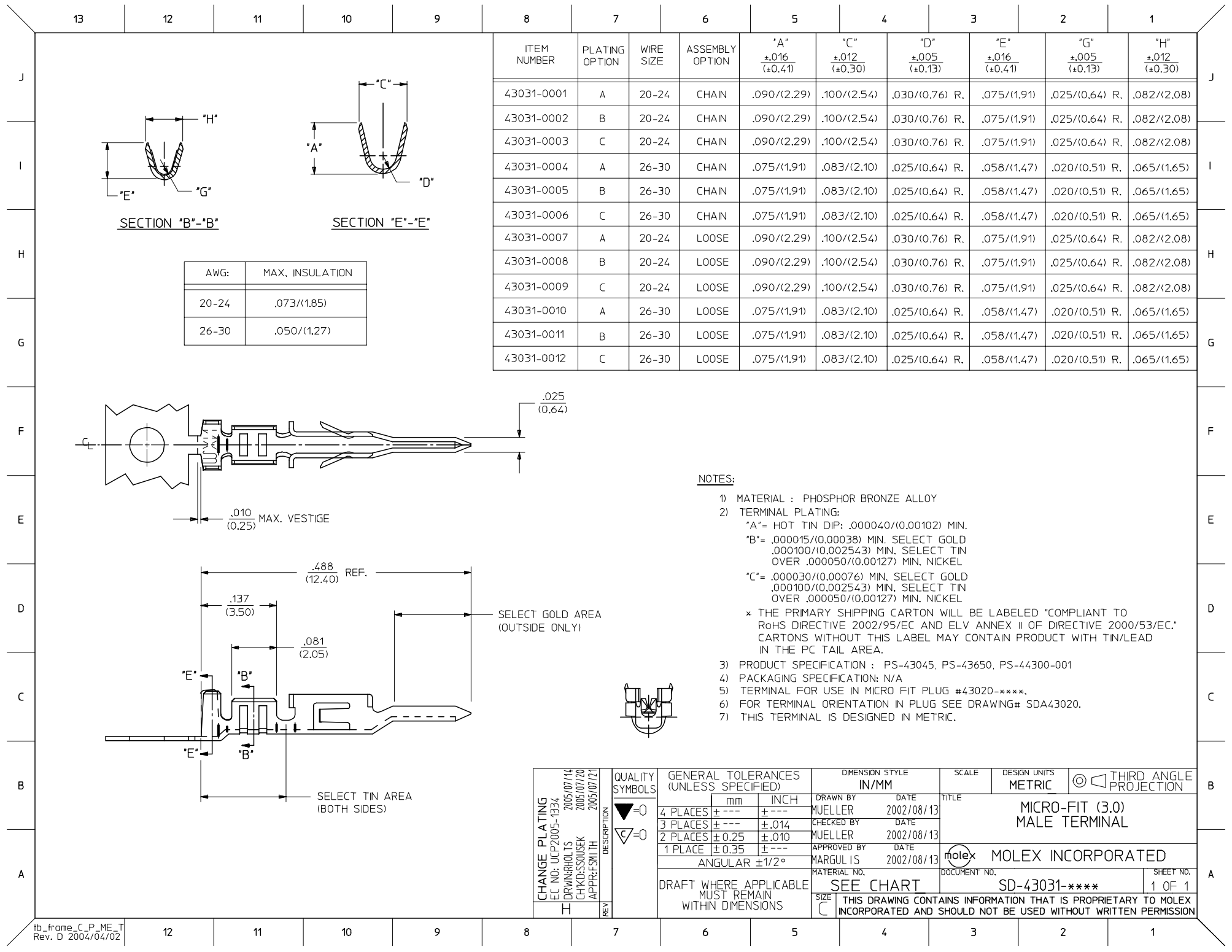
CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Wire Size AWG	Plating	Order No.		Dimension			
		Reel	Bag	C	D	E	F
20-24	Tin	• 43031-0001	• 43031-0007	2.29 (.090)	2.54 (.100)	1.91 (.075)	2.08 (.082)
26-30	Tin	• 43031-0004	• 43031-0010	1.91 (.075)	2.10 (.083)	1.47 (.058)	1.65 (.065)
20-24	15μ" Gold	• 43031-0002	• 43031-0008	2.29 (.090)	2.54 (.100)	1.91 (.075)	2.08 (.082)
26-30	15μ" Gold	• 43031-0005	• 43031-0011	1.91 (.075)	2.10 (.083)	1.47 (.058)	1.65 (.065)
20-24	30μ" Gold	• 43031-0003	• 43031-0009	2.29 (.090)	2.54 (.100)	1.91 (.075)	2.08 (.082)
26-30	30μ" Gold	• 43031-0006	• 43031-0012	1.91 (.075)	2.10 (.083)	1.47 (.058)	1.65 (.065)

• US Standard Product, available through Molex franchised distributors



SECTION "B"-"B"

SECTION "E"-"E"

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

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)

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
* 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.
- 3) PRODUCT SPECIFICATION : PS-43045, PS-43650, PS-44300-001
- 4) PACKAGING SPECIFICATION: N/A
- 5) TERMINAL FOR USE IN MICRO FIT PLUG #43020-****.
- 6) FOR TERMINAL ORIENTATION IN PLUG SEE DRAWING# SDA43020.
- 7) THIS TERMINAL IS DESIGNED IN METRIC.

CHANGE PLATING EC NO: UCP2005-1334 DRAWN: ROLIS CHKD: SMOUSEK APPR: FSM TH	2005/07/14 2005/07/20 2005/07/21	DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 	
						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	MOLEX MOLEX INCORPORATED		
					ANGULAR ±1/2°		MARGULIS	2002/08/13				
							MATERIAL NO.	DOCUMENT NO.				
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-43031-****			SHEET NO. 1 OF 1
							SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				