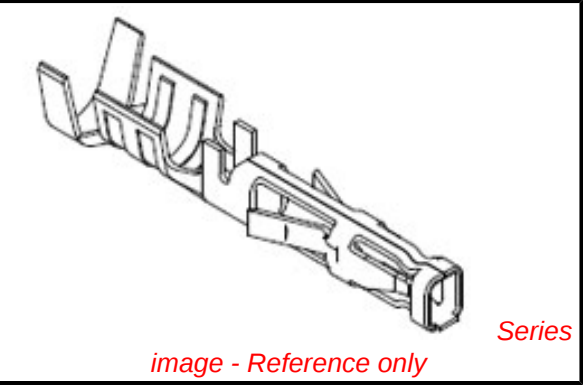


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0462355002
Status: Active
Overview: Micro-Fit, 3.0™
Description: Micro-Fit 3.0™ High Mating Cycle, Reduced Mating Force, Crimp Terminal, Female, with .0.76µm (30µ") Selective Gold (Au) over Nickel (Ni), 20-24 AWG, with Lubricant



Documents:
[Drawing \(PDF\)](#)
[Product Specification PS-46235-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Crimp Terminals
Series	46235
Comments	90% increase in mating cycles (250 cycles) and up to 50% reduction in mating force
Crimp Quality Equipment	Yes
Overview	Micro-Fit, 3.0™
Product Name	Micro-Fit 3.0™
Physical	
Durability (mating cycles max)	250
Gender	Female
Material - Metal	Copper-Zinc-Tin
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Packaging Type	Reel
Plating min: Mating (µin)	0.76
Plating min: Mating (µm)	30
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.85mm (.073") max.
Wire Size AWG	20, 22, 24
Wire Size mm²	N/A
Electrical	
Voltage - Maximum	600V
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-46235-001
Product Specification	PS-46235-001
Sales Drawing	SD-46235-001
Test Summary	TS-46235-001, TS-46235-501

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

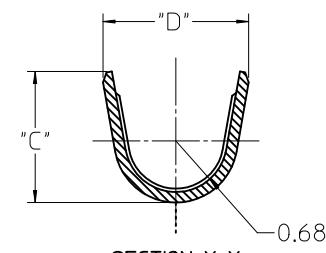
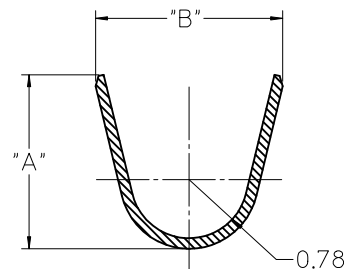
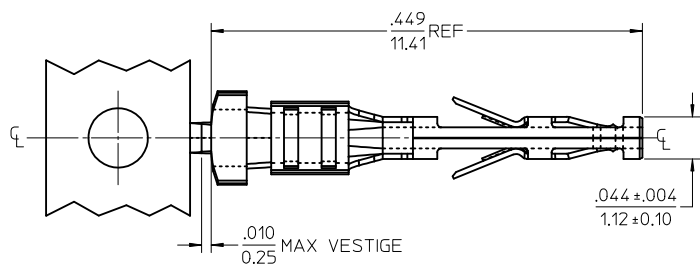
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
46235Series

Use With
Micro-Fit 3.0™ Receptacle Housing [43025](#) , [43645](#) , [44133](#)

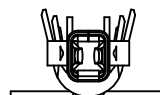
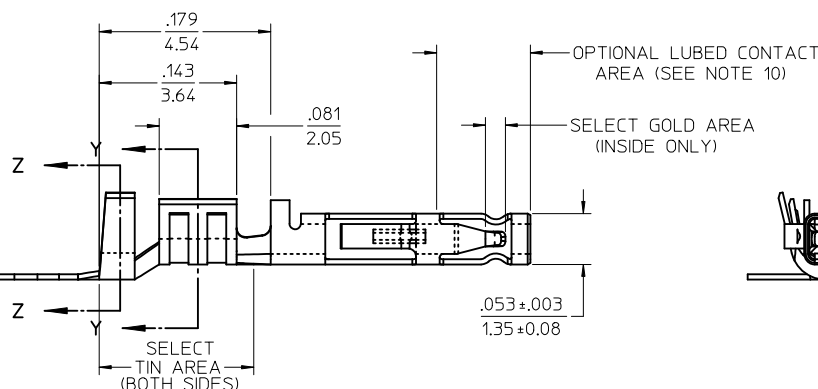
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

13	12	11	10	9	8	7	6	5	4	3	2	1
MATERIAL NUMBER	WIRE SIZE	PLATING OPTION	LUBRICATION	MAX INSULATION	"A" ±.012 ±0.30	"B" ±.012 ±0.30	"C" ±.012 ±0.30	"D" ±.012 ±0.30				
46235-0001	20-24	1	NO	.073	.091	.098	.068	.073				
46235-0002		2		1.85	2.30	2.48	1.73	1.93				
46235-0003	26-30	1		.050	.075	.090	.048	.069				
46235-0004		2		1.27	1.90	2.29	1.22	1.75				
46235-5001	20-24	1	YES	.073	.091	.098	.068	.073				
46235-5002		2		1.85	2.30	2.48	1.73	1.93				
46235-5003	26-30	1		.050	.075	.090	.048	.069				
46235-5004		2		1.27	1.90	2.29	1.22	1.75				



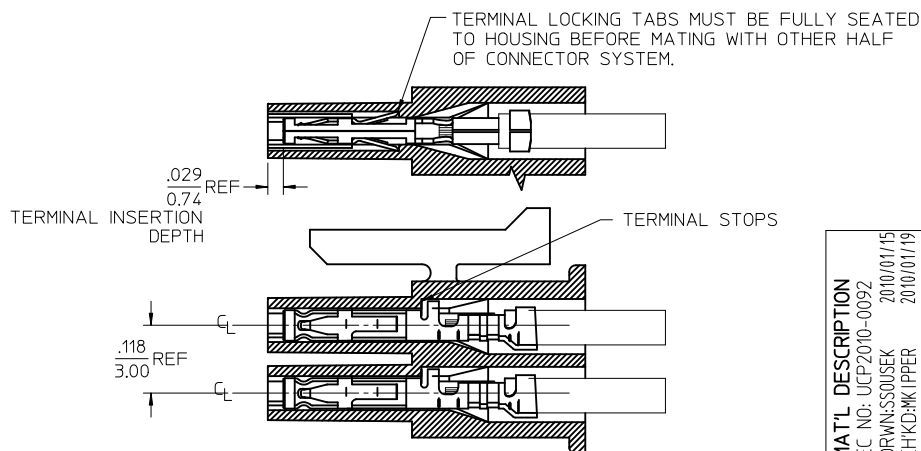
SECTION Z-Z
SCALE 20:1

SECTION Y-Y
SCALE 20:1



NOTES

- 1) MATERIAL: COPPER ALLOY
- 2) TERMINAL PLATING:
 - 1) .000015/0.00038 MIN. SELECT GOLD .000100/0.00254 MIN. SELET TIN ALL OVER .000050/0.00127 MIN. NICKEL OVERALL.
 - 2) .000030/0.00076 MIN. SELECT GOLD .000100/0.00254 MIN. SELET TIN ALL OVER .000050/0.00127 MIN. NICKEL OVERALL.
- 3) PRODUCT SPECIFICATION: PS-46235-001
- 4) PACKAGING SPECIFICATION: PK-46235-001
- 5) TERMINAL FOR USE IN RECEPTACLE SERIES 43025, 43645 AND 44133.
- 6) FOR TERMINAL ORIENTATION IN RECEPTACLE SEE PICTORIAL IN LOWER LEFT CORNER
- 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
- 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPEC PS-45499-002
- 10) MOLEX PROPRIETARY CONTACT LUBRICATION EB-1 IS APPLIED IN THE CONTACT AREA AS SHOWN. SEE CHART FOR APPLICABLE PART NUMBERS.



MAT'L DESCRIPTION EC NO: UCP2010-0092 DRWNGS0USEK CHYKDWKIPPER APPR:FSMITH 2010/01/15 2010/01/19 2010/01/19	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mmINCH 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	
				DRAWN BY TGREGORI	DATE 2007/02/05	TITLE MICRO-FIT (3.0) FEMALE CRIMP TERMINAL LOW MATE FORCE			
				CHECKED BY JCOMERC I	DATE 2007/03/19	MOLEX MOLEX INCORPORATED			
				APPROVED BY JCOMERC I	DATE 2007/03/19	DOCUMENT NO. SD-46235-001			
REV				MATERIAL NO. SEE CHART		SHEET NO. 1 OF 1			
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					