

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0304901012
Status: Active
Overview: minifit_jr
Description: Mini-Fit® Grounding Pin 30490, 18-24 AWG, Bag, Phosphor Bronze Select Gold (Au)

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	Crimp Terminals
Series	30490
Comments	Grounding Pin
Crimp Quality Equipment	Yes
Overview	minifit_jr
Product Name	Mini-Fit®
Physical	
Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Packaging Type	Bag
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.30-3.10mm (.051-.122")
Wire Size AWG	18, 20, 22, 24
Wire Size mm²	N/A
Electrical	
Current - Maximum per Contact	9A
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-5556-003
Sales Drawing	SD-30490-***2

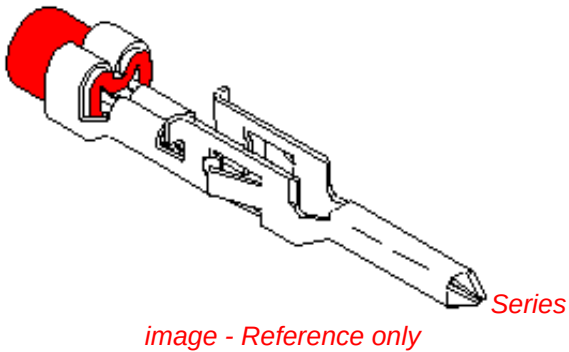


image - Reference only

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](#)

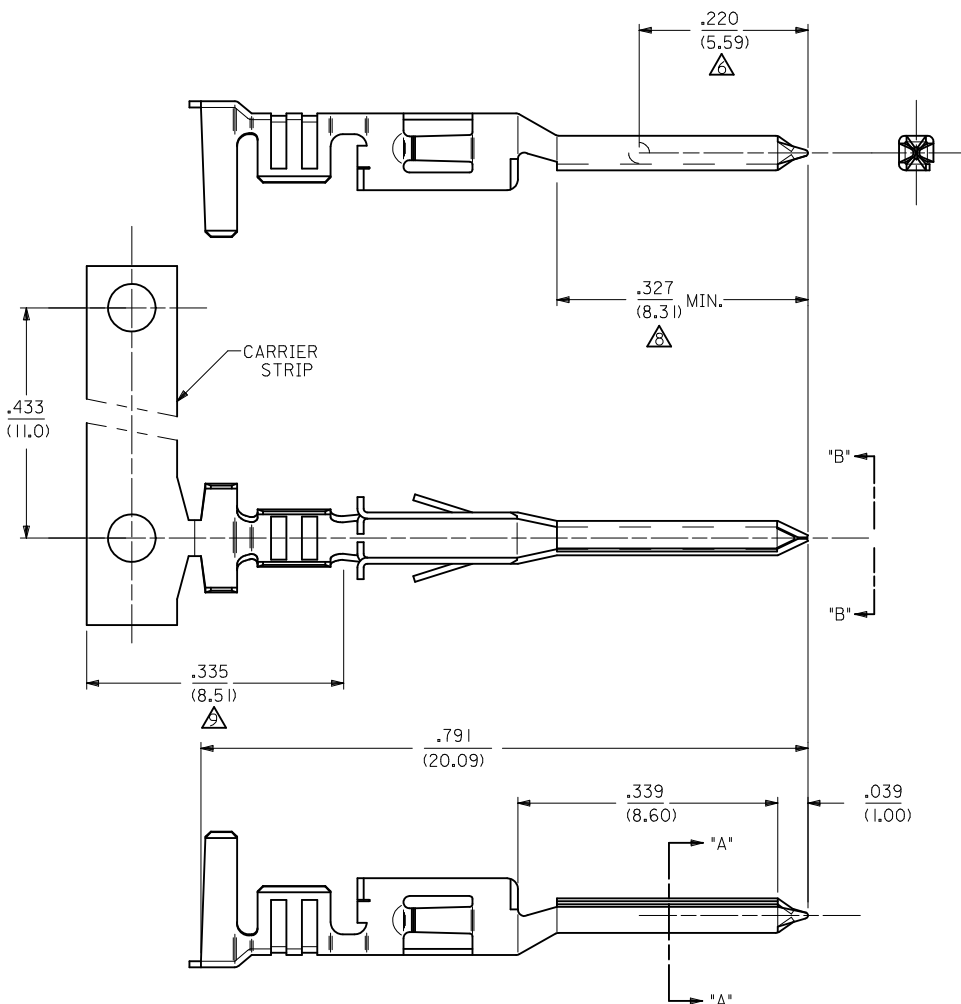
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
30490Series

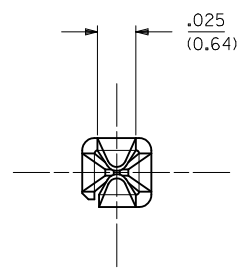
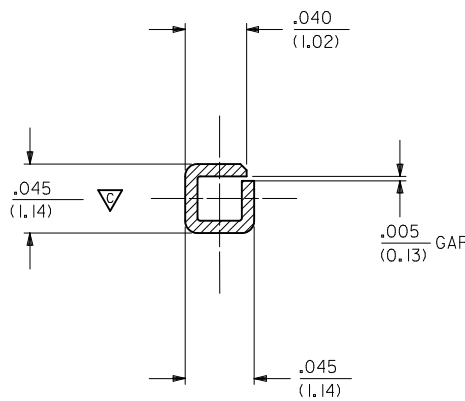
Application Tooling | FAQ
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global Description	Product #
Extraction Tool	0011030044
Hand Crimp Tool for Mini-Fit™ Jr. Male and Female Crimp Terminals, 16-24 AWG	0638190900

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



- NOTES:
- 1- MATERIAL: PHOSPHOR BRONZE ALLOY C52100
 - 2- FINISH:
 - (A) - SELECTIVE GOLD PLATE .000030/(0.00076)MIN., AND SELECTIVE TIN .000100/(0.00254) OVER .000050/(0.00127) NICKEL OVERALL.
 - (B) - .000100/(0.00254) TIN OVER .000050/(0.00127) NICKEL.
 - 3- PRODUCT SPECIFICATION: TBD.
 - 4- PACKAGING INFORMATION: SEE SHEET 2 FOR CHAIN PK-555-003 FOR LOOSE TERMINALS
 - 5-FOR USE WITH ASSEMBLY NO. A-30490-0001.
 - 6-MEASURING POINT FOR PLATING THICKNESS.
 - 7-TERMINAL CANNOT BE USED IN 42475 OR 43558 HOUSINGS.
- ▲ -GOLD PLATING AREA.
▲ -TIN PLATING AREA.



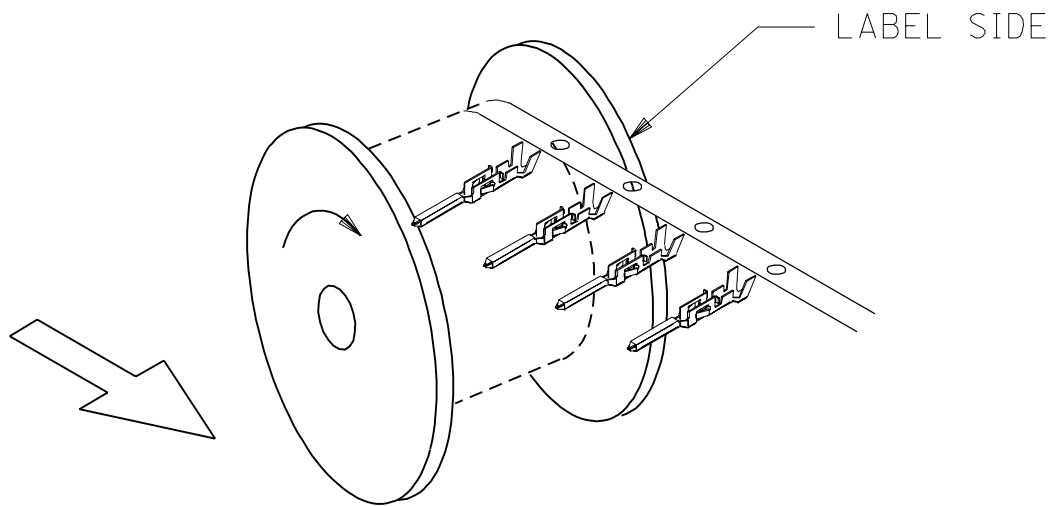
VIEW "B" - B"
SCALE = 16:1

SECTION "A - A"
SCALE = 16:1

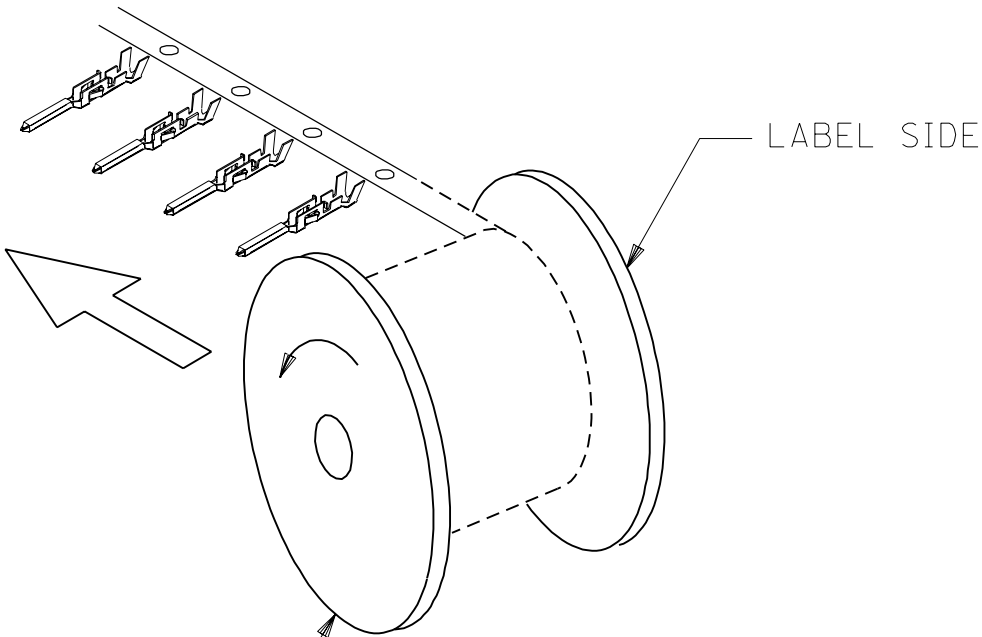
	B	CHAIN	RIGHT TO LEFT (SEE SHT. 2)	4000	18-24
30490-9902					
	A	CHAIN	RIGHT TO LEFT (SEE SHT. 2)		
30490-9802					
30490-2012	B	LOOSE	RIGHT TO LEFT (SEE SHT. 2)		
30490-2002		CHAIN	LEFT TO RIGHT (SEE SHT. 2)	4000	18-24
30490-1012	A	LOOSE	RIGHT TO LEFT (SEE SHT. 2)		
30490-1002		CHAIN	LEFT TO RIGHT (SEE SHT. 2)		
ITEM NO.	PLATING	FORM	UNREEL DIRECTION	QTY. PER REEL	WIRE GAGE REF.
AFTER PLATING					

MODIFIED NOTES EC NO: UCP2010-0471 DRWN: JAGUILAR 2009/12/23 CHKD: J.BELL 2009/12/23 APPR: F.S.MITH 2009/12/28	DESCRIPTION REV	QUALITY SYMBOLS ▲=1 ▲=1	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 8:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
			mm INCH		DRAWN BY DATE BBW 92/ 1/22		TITLE CRIMP TERMINAL MINI-FIT STYLE			
			4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± ---		CHECKED BY DATE					
			ANGULAR ± 5 °		APPROVED BY DATE		MOLEX INCORPORATED			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART SD-30490-***2					
E2		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DOCUMENT NO.		SHEET NO. 1 OF 2		

LEFT TO RIGHT
UNREELING



RIGHT TO LEFT
UNREELING



RED FLANGE NO. 70180-0659
EDP NO. 85-06-0002
FOR (RED) 3 REEL CARTON
PART NO. 70180-0479
EDP NO. 85-01-0479

THIS IS SPECIAL PACKAGING -
ALL NON-AIRBAG CUSTOMERS
WILL USE STANDARD PACKAGING

DIMENSIONS SHOWN (METRIC) INCH		
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°		
	INCH	METRIC
3 PLACE	± .005	---
2 PLACE	± .01	± 0.13
1 PLACE	---	± 0.25
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
DRWG. BY APP'D. BY	BBW	CHK'D. BY SCALE :

▽ = 0		◼ = 0		REVISE ONLY ON CAD SYSTEM	
TITLE CRIMP TERMINAL MINI-FIT STYLE					
MOLEX INCORPORATED LITSE,ILL. 60532 U.S.A.		SHEET NO. 2		DATE 92 / 1/22	
PART NO. 30490-***2		DRWG. NO. SD-30490-***2			
FILE NAME ST304902 DGN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			DIV. A SIZE C

MFG.	SH.	REV.	LTR.	REVISIONS
------	-----	------	------	-----------

C	SEE SHEET 1 PDC 94/12/09
---	-----------------------------

--	--

--	--

30490

B

A

C

D

F

G

H

I

J

13

12

11

10

9

8

7

6

30490

4

3

2

1

13

12

11

10

9

8

7

6

5

4

3

2

I NO P.S.