

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0304902012

Status:

Active

Overview:

minifit_jr

Description:

Mini-Fit® Crimp Grounding Terminal, Series 30490, Male, with Tin (Sn) Plated Phosphor Bronze Contact, 18-24 AWG, Bag

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	Crimp Terminals
Series	30490
Comments	Grounding Pin
Crimp Quality Equipment	Yes
Overview	<u>minifit_jr</u>
Product Name	Mini-Fit®
Physical	
Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Packaging Type	Bag
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.5
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

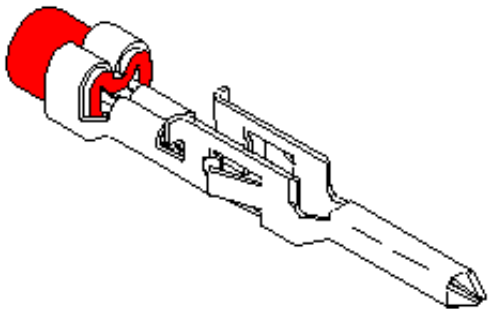


image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

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

Mates With

5556 Series

Use With

5559s , 30068 , 5559d

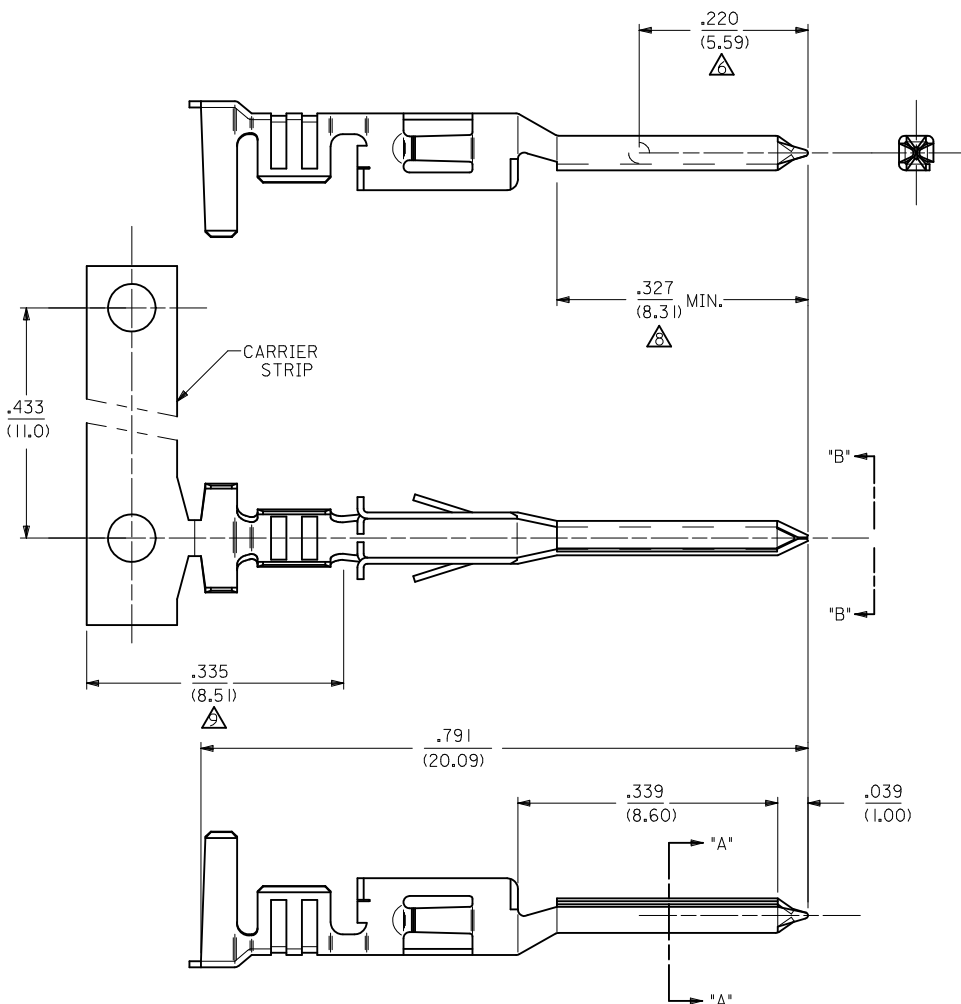
Application Tooling | FAQ

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

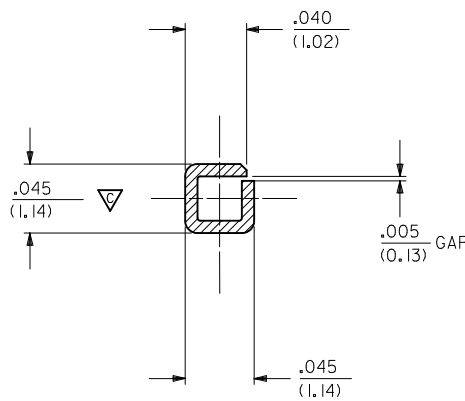
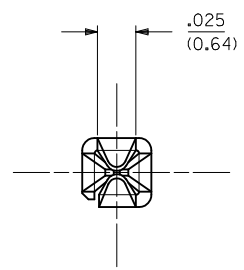
Global	
Description	Product #
Extraction Tool	0011030044
Hand Crimp Tool for Mini-Fit™ Jr. Male and Female Crimp Terminals, 16-24 AWG	0638190900

This document was generated on 06/01/2010

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- 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.



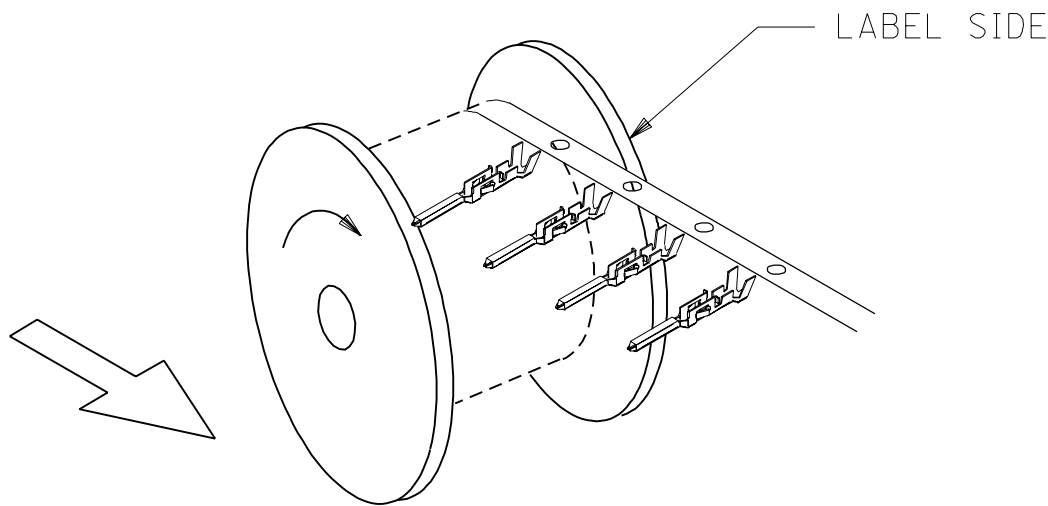
SECTION "A - A"
SCALE = 16:1

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

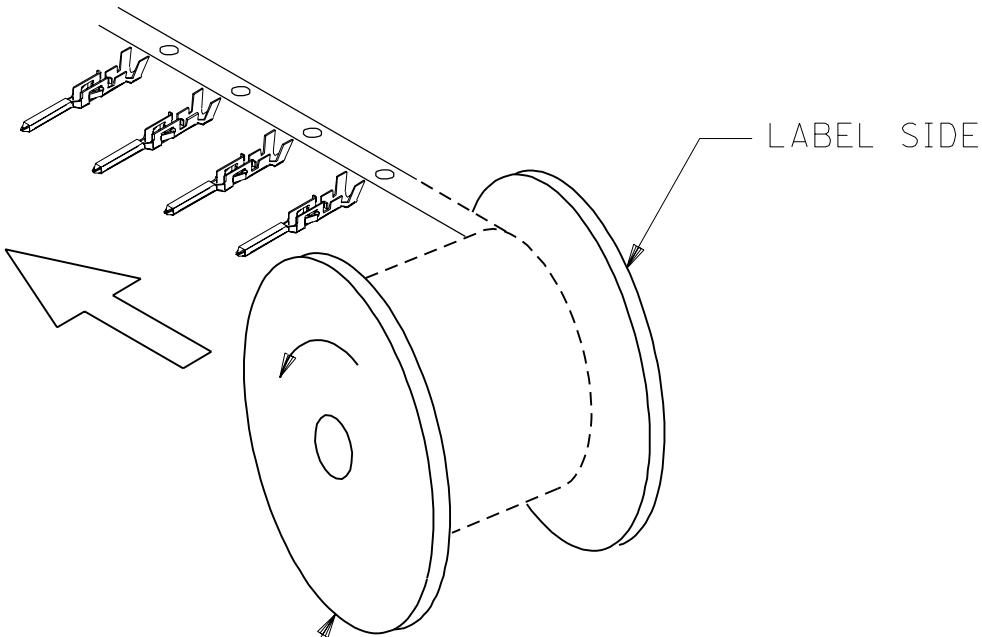
30490-9902	B	CHAIN	RIGHT TO LEFT (SEE SHT. 2)	4000	18-24
30490-9802	A	CHAIN	RIGHT TO LEFT (SEE SHT. 2)		
30490-2012	B	LOOSE	RIGHT TO LEFT (SEE SHT. 2)	4000	18-24
30490-2002	B	CHAIN	LEFT TO RIGHT (SEE SHT. 2)		
30490-1012	A	LOOSE	RIGHT TO LEFT (SEE SHT. 2)		
30490-1002	A	CHAIN	LEFT TO RIGHT (SEE SHT. 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
					DRAWN BY BBW	DATE 92/ 1/22	CRIMP TERMINAL MINI-FIT STYLE	
					CHECKED BY	DATE		
					APPROVED BY	DATE		
					MATERIAL NO. SEE CHART	DOCUMENT NO. SD-30490-***2		
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					

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	CHK'D. BY SCALE	
BBW		°

▽ = 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
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C	SEE SHEET 1 PDC 94 / 12 / 09
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30490