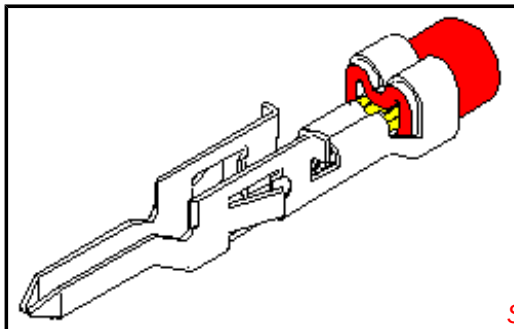
This document was generated on 06/01/2010

# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0039000081
**Status:** Active
**Overview:** minifit_jr
**Description:** 4.20mm (.165") Pitch Mini-Fit™ Crimp Terminal, Male, 16 AWG, Reel, Brass, Tin (Sn)



*Series image - Reference only*

**Documents:**

- Test Summary (PDF)
- Drawing (PDF)
- Product Specification PS-5556-001 (PDF)
- Product Specification PS-5556-002 (PDF)
- Product Specification PS-5556-003 (PDF)
- RoHS Certificate of Compliance (PDF)

## General

| | |
|---|---|
| Product Family | Crimp Terminals |
| Series | 5558 |
| Crimp Quality Equipment | Yes |
| Overview | minifit_jr |
| Product Name | Mini-Fit® |

## Physical

| | |
|---|---|
| Durability (mating cycles max) | 30 |
| Gender | Male |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Packaging Type | Reel |
| Plating min: Mating (µin) | 35 |
| Plating min: Mating (µm) | 0.88 |
| Plating min: Termination (µin) | 35 |
| Plating min: Termination (µm) | 0.88 |
| Termination Interface: Style | Crimp or Compression |
| Wire Insulation Diameter | 1.80-3.10mm (.071-.122") |
| Wire Size AWG | 16 |
| Wire Size mm² | N/A |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 9A |
| Voltage - Maximum | 600V |

## Material Info

| | |
|---|---|
| Old Part Number | 5558T3 |

## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | PK-5558-001 |
| Product Specification | PS-5556-001, PS-5556-002, PS-5556-003, RPS-30067-002, RPS-30067-003 |
| Sales Drawing | SD-5558**** |
| Test Summary | TS-5556-002 |

**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**
5558Series

**Mates With**
5556 Mini-Fit™ Crimp Terminal

**Use With**
5559 Mini-Fit Jr.™ Plug Housing, 30068 Mini-Fit TPA™ Plug Housing, 42475 Mini-Fit BMI™ Plug Housing

**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.*

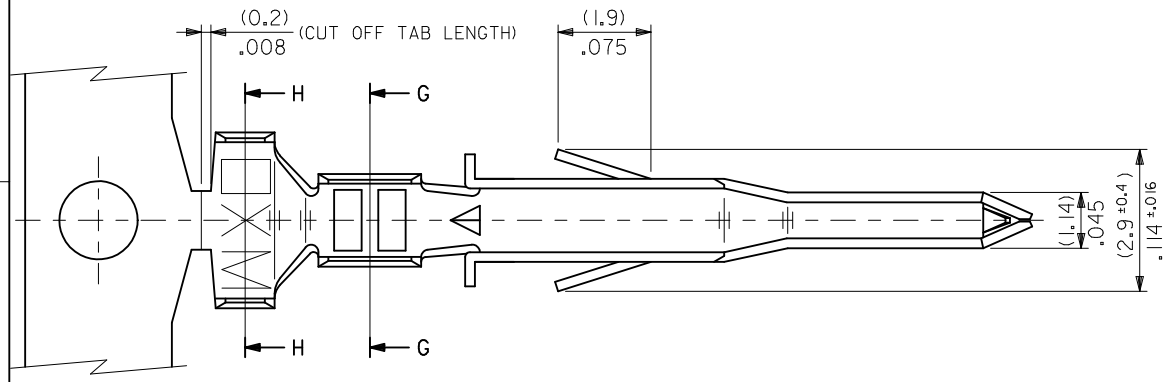
**Global**

| Description | Product # |
|---|---|
| FineAdjust™ Applicator for Mini-Fit Jr.™, Mini-Fit HCS™ Crimp Terminals, 16 AWG and smaller insulation | 0639015300 |

| | |
|---|---|
| T2 Terminator Tooling Die | 0639102800 |
| FineAdjust™ Applicator | 0639002800 |
| FineAdjust™ Applicator | 0639003000 |
| T2 Terminator Tooling Die | 0639103000 |
| Extraction Tool | 0011030044 |
| Hand Crimp Tool for Mini-Fit™ Jr. Male and Female Crimp Terminals, 16-24 AWG | 0638190900 |

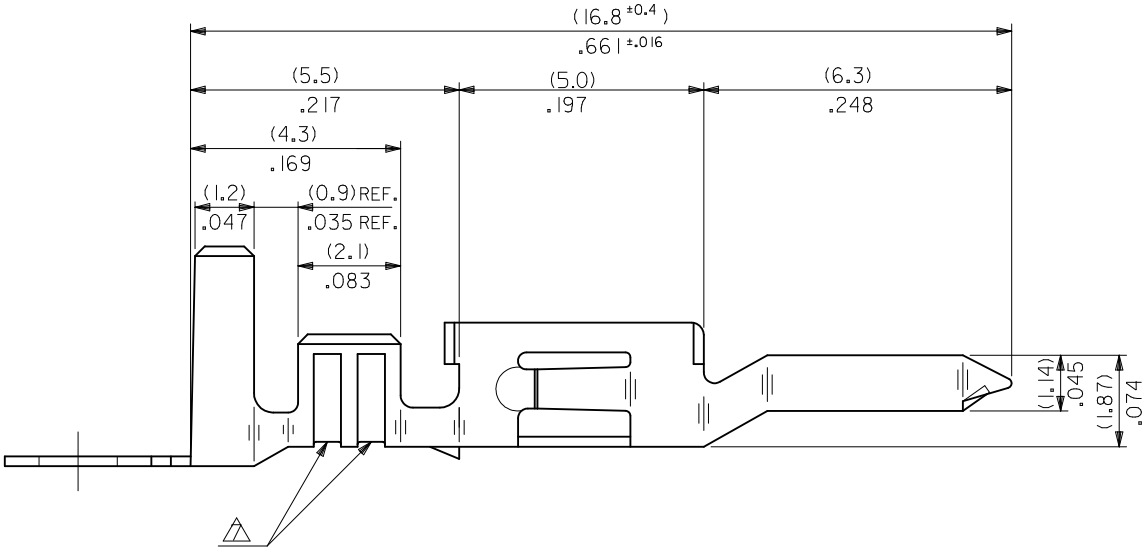
**Japan**

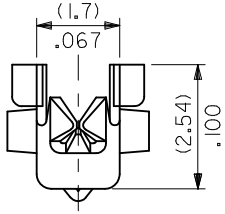
| **Description** | **Product #** |
|---|---|
| Hand Extraction Tool | 0570316000 |

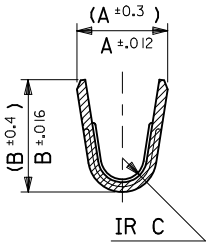



## NOTES

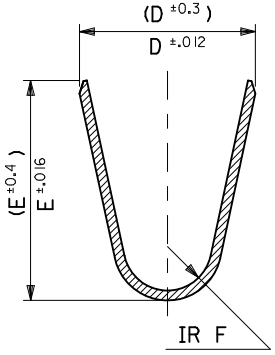
1. MATERIAL: SEE CHART
2. FINISH: SEE CHART
3. PRODUCT SPECIFICATION: PS-5556-001, PS-5556-002, PS-5556-003
4. PACKAGING SPECIFICATION: PK-5558-001 FOR CHAIN
   PK-5556-003 FOR LOOSE
5. MATES WITH TERMINAL: 5556 SERIES.
6. APPLICIABLE HOUSING: 5559, 30068, 42475 SERIES.
7. THE NUMBER OF SERRATIONS TO BE ONE FOR WIRE RANGE #22-28.
8. WHEN TERMINALS ARE INSTALLED IN THE HOUSING THE WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS TO FLOAT FREELY IN THE POCKET.
9. THIS TERMINAL IS DESIGNED FOR SINGLE WIRE CRIMPING.
10. PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.




SECT. G-G




SECT. H-H

| | | |
|---|---|---|
| UPDATED NOTES<br>EC NO: UCP2010-2478<br>DRWN: JAGUILAR 2010/04/06<br>CH'KD: JBELL 2010/04/09<br>APPR: FSMITH 2010/04/09 | DESCRIPTION | REV |

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_V}$=0
$\sqrt{F_P}$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .008 |
| 2 PLACES | ± .20 | ± .008 |
| 1 PLACE | ± .2 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: H.HIRAMOTO DATE: 1991/03/12
CHECKED BY: S.KUNISHI DATE: 1998/07/07
APPROVED BY: M.MUKUSHIMA DATE: 1998/07/07

TITLE: MINI-FIT JR OVERALL TIN MALE CRIMP TERMINAL

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-5558****
SHEET NO.: 1 OF 2
SIZE: B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| MATERIAL | F | E | D | C | B | A | INS. RANGE | WIRE RANGE | EDP NO. | ENG. NO. | FORM |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TIN PLATED PHOSPHOR BRONZE | (0.9) .035 | (4.5) .177 | (3.6) .142 | (0.6) .024 | (2.7) .106 | (2.3) .091 | Ø (3.1) .122 MAX. | #16 | 39-00-0084 | 5558 PBT3L | LOOSE |
| | | | | | | | | | -0083 | PBT3 | CHAIN |
| | (0.6) .024 | (2.3) .091 | (2.3) .091 | (0.4) .016 | (1.65) .065 | (1.8) .071 | Ø (0.9-1.8) .035-.071 | #22-28 | -0068 | PBT2L | LOOSE |
| | | | | | | | | | -0067 | PBT2 | CHAIN |
| | (0.9) .035 | (4.5) .177 | (3.6) .142 | (0.5) .020 | (2.3) .091 | (1.9) .075 | Ø (1.3-3.1) .051-.122 | #18-24 | -0062 | PBTL | LOOSE |
| | | | | | | | | | -0061 | PBT | CHAIN |
| TIN OVER COPPER PLATED BRASS | (0.9) .035 | (4.5) .177 | (3.6) .142 | (0.6) .024 | (2.7) .106 | (2.3) .091 | Ø (3.1) .122 MAX. | #16 | -0082 | T3L | LOOSE |
| | | | | | | | | | -0081 | T3 | CHAIN |
| | (0.6) .024 | (2.3) .091 | (2.3) .091 | (0.4) .016 | (1.65) .065 | (1.8) .071 | Ø (0.9-1.8) .035-.071 | #22-28 | -0049 | T2L | LOOSE |
| | | | | | | | | | -0048 | T2 | CHAIN |
| | (0.9) .035 | (4.5) .177 | (3.6) .142 | (0.5) .020 | (2.3) .091 | (1.9) .075 | Ø (1.3-3.1) .051-.122 | #18-24 | -0041 | TL | LOOSE |
| | | | | | | | | | 39-00-0040 | 5558 T | CHAIN |

UPDATE TITLE BLOCK
EC NO: UCP2010-2478 2010/04/06
DRWN: JAGUILAR 2010/04/09
CHKD: JBELL
APPR: FSMITH 2010/04/09

DESCRIPTION

REV

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .008 |
| 2 PLACES | ± .20 | ± .008 |
| 1 PLACE | ± .2 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY DATE: H.HIRAMOTO 1991/03/12
CHECKED BY DATE: S.KUNISHI 1998/07/07
APPROVED BY DATE: F.SMITH KUSHIMA 2010/07/09

TITLE
MINI-FIT JR
OVERALL TIN
MALE CRIMP TERMINAL

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-5558****
SHEET NO.: 2 OF 2

SIZE: B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

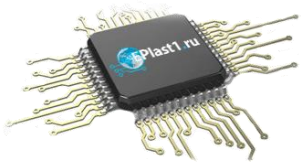
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.




**Как с нами связаться**

**Телефон:** 8 (812) 309 58 32 (многоканальный)
**Факс:** 8 (812) 320-02-42
**Электронная почта:** org@eplast1.ru
**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.