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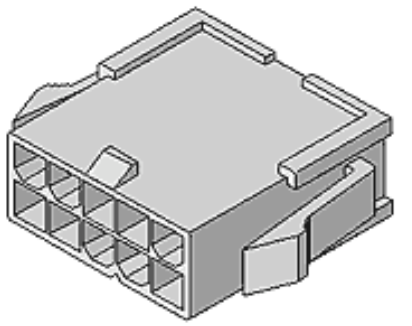
**Part Number:** 0039012061
**Status:** Active
**Overview:** minifit_jr
**Description:** 4.20mm (.165") Pitch Mini-Fit Jr.™ Plug Housing, Dual Row, with and without Panel Mount Ears, UL 94V-2, Panel Mount, 6 Circuits



*Series image - Reference only*

**Documents:**

- 3D Model
- Drawing (PDF)
- Product Specification PS-5556-001 (PDF)
- RoHS Certificate of Compliance (PDF)

## Agency Certification

| | |
|---|---|
| CSA | LR19980 |
| TUV | R72081037 |
| UL | E29179 |

## General

| | |
|---|---|
| Product Family | Crimp Housings |
| Series | 5559 |
| Comments | Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current de-rating information.. Not for use with Strain Relief |
| MolexKits | Yes |
| Overview | minifit_jr |
| Product Name | Mini-Fit Jr.™ |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (maximum) | 6 |
| Color - Resin | Natural |
| Flammability | 94V-2 |
| Gender | Male |
| Glow-Wire Compliant | No |
| Material - Resin | Nylon |
| Number of Rows | 2 |
| Packaging Type | Bag |
| Panel Mount | Yes |
| Pitch - Mating Interface (in) | 0.165 In |
| Pitch - Mating Interface (mm) | 4.20 mm |
| Pitch - Term. Interface (in) | 0.165 In |
| Pitch - Term. Interface (mm) | 4.20 mm |
| Polarized to Mating Part | Yes |
| Stackable | No |
| Temperature Range - Operating | -40°C to +105°C |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 13A |

## Material Info

| | |
|---|---|
| Old Part Number | 5559-06P |

## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | SPK-5559-001 |
| Product Specification | PS-5556-001 |
| Sales Drawing | SD-5559-NP |
| 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**
5559Series

**Mates With**
5557d Receptacle Housing

**Use With**
5558 , 44478 , 30490 , 41995

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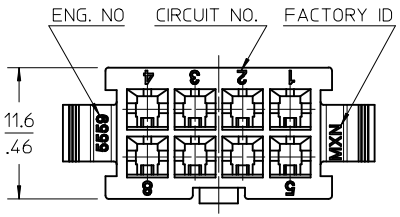
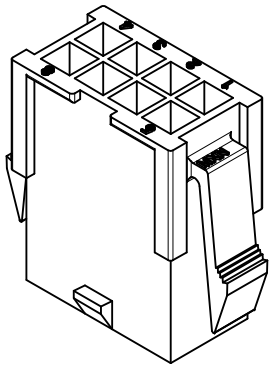
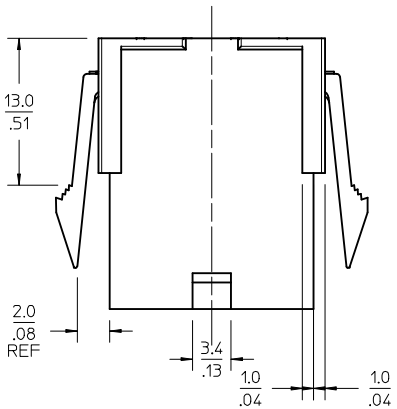
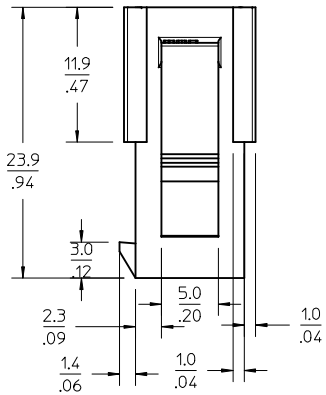


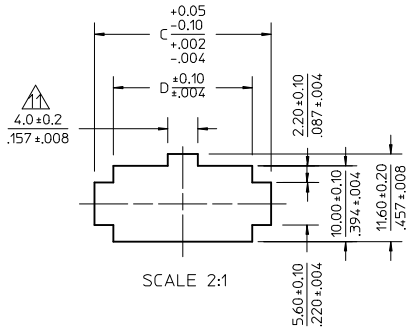
NOTES:
1) MATERIAL:
"BLANK" = NYLON 6/6, 94V-2, COLOR: NATURAL.
"BL" = NYLON 6/6, 94V-2, COLOR: BLACK.
"BU" = NYLON 6/6, 94V-2, COLOR: BLUE.
"RE" = NYLON 6/6, 94V-2, COLOR: RED.
"210" = NYLON 6/6, 94V-0, COLOR: NATURAL.
2) FINISH: NOT APPLICABLE
3) PRODUCT SPECIFICATION: PS-5556-001
4) PACKAGING: BULK
5) PART MATES WITH MOLEX RECEPTACLE #5557.
6) PART TO BE USED WITH MOLEX FEMALE TERMINAL #5558.
7) PART IS NOT DESIGNED FOR CURRENT SHARING.
8) CONNECTORS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
9) WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS TO FLOAT FREELY IN THE POCKET.
10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF DISCOLORATION, FLASH AND SINK MEET CLASS "C" REQUIREMENTS.
11) ON 2 CIRCUITS PARTS THIS DIMENSION IS ALLOWABLE UP TO "D" DIMENSION.
12) PANEL HOLE TO BE PUNCHED OUT IN THE SAME DIRECTION AS INSERTION INTO THE PANEL.



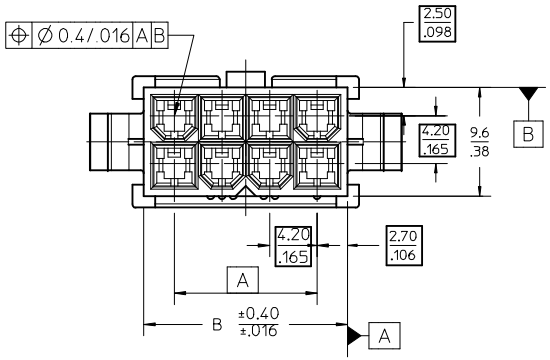

LEGEND

5559-** P - *
- BASE NO
- CIRCUIT SIZE 02-24)
- HOUSING TYPE: PLUG WITH MOUNTING EARS
- MATERIAL OPTION: (SEE NOTE 1)




RECOMMENDED PANEL HOLE DIMENSIONS

(THICKNESS : 0.8-2.0/.032-.079)




| | | | | |
|---|---|---|---|---|
| 52.1/2.051 | 57.0/2.244 | 51.6/2.031 | 46.2/1.819 | 24 |
| 47.9/1.886 | 52.8/2.079 | 47.4/1.866 | 42.0/1.654 | 22 |
| 43.7/1.720 | 48.6/1.913 | 43.2/1.701 | 37.8/1.488 | 20 |
| 39.5/1.555 | 44.4/1.748 | 39.0/1.535 | 33.6/1.323 | 18 |
| 35.3/1.390 | 40.2/1.583 | 34.8/1.370 | 29.4/1.158 | 16 |
| 31.1/1.224 | 36.0/1.417 | 30.6/1.205 | 25.2/.992 | 14 |
| 26.8/1.055 | 31.8/1.252 | 26.4/1.039 | 21.0/.827 | 12 |
| 22.6/.890 | 27.6/1.087 | 22.2/.874 | 16.8/.661 | 10 |
| 18.4/.724 | 23.4/.921 | 18.0/.709 | 12.6/.496 | 8 |
| 14.2/.559 | 19.2/.756 | 13.8/.543 | 8.4/.331 | 6 |
| 10.0/.394 | 15.0/.591 | 9.6/.378 | 4.2/.165 | 4 |
| 5.8/.228 | 10.8/.425 | 5.4/.213 | — | 2 |
| D | C | B | A | CIRCUIT |

ADDED MODEL VIEWS
EC NO: UCP2010-0850 2009/11/09
DRWN: JAGUILAR 2009/11/10
CHKD: JBELL
APPR: FSMITH
DESCRIPTION
REV

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .012 |
| 2 PLACES | ± .30 | ± .016 |
| 1 PLACE | ± .40 | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: H.HIRAMOTO DATE: 1988/10/14
CHECKED BY: Y.YAMADA DATE: 1988/10/21
APPROVED BY: M.ENOMOTO DATE: 1988/10/24
MATERIAL NO.: SEE CHART

TITLE: NEW MINI. FIT CONNECTOR CRIMP PIN HOUSING

MOLEX INCORPORATED

DOCUMENT NO.: SD-5559-NP
SHEET NO.: 1 OF 2

SIZE C

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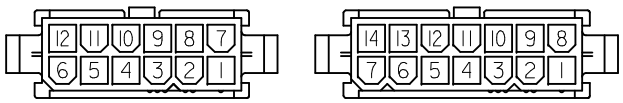
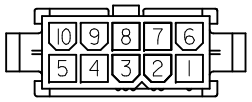



12CKTS.




14CKTS.

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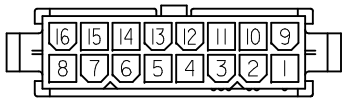


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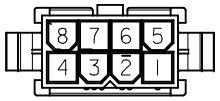


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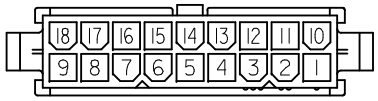


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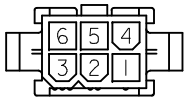


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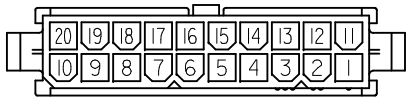


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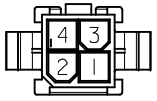


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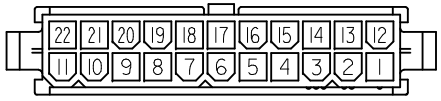


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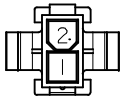


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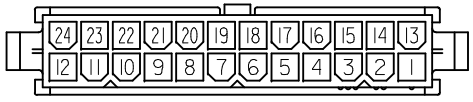


24CKTS.

CIRCUIT SIZE LAYOUT ( SCALE : 2-1 )

| V-2 BLACK | | | V-2 BLUE | | | V-2 RED | | | V-0 NATURAL | | | V-2 NATURAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 24 | | | 24 | | | 24 | 39-01-2246 | 5559 -24P-210 | 24 | 39-01-2241 | 5559-24P | 24 |
| | | 22 | | | 22 | | | 22 | -2226 | -22P-210 | 22 | -2221 | -22P | 22 |
| | | 20 | | | 20 | | | 20 | -2206 | -20P-210 | 20 | -2201 | -20P | 20 |
| | | 18 | | | 18 | | | 18 | -2186 | -18P-210 | 18 | -2181 | -18P | 18 |
| | | 16 | | | 16 | | | 16 | -2166 | -16P-210 | 16 | -2161 | -16P | 16 |
| | | 14 | | | 14 | | | 14 | -2146 | -14P-210 | 14 | -2141 | -14P | 14 |
| | | 2 | | | 12 | | | 12 | -2126 | -12P-210 | 2 | -2121 | -12P | 12 |
| | | 10 | | | 10 | | | 10 | -2106 | -10P-210 | 10 | -2101 | -10P | 10 |
| | | 8 | | | 8 | | | 8 | -2086 | -08P-210 | 8 | -2081 | -08P | 8 |
| | | 6 | 39-02-8067 | 5559-06P-RE | 6 | | | 6 | -2066 | -06P-210 | 6 | -2061 | -06P | 6 |
| 39-02-8046 | 5569-04P-BU | 4 | 39-02-8047 | 5559-04P-RE | 4 | | | 4 | -2046 | -04P-210 | 4 | -2041 | -04P | 4 |
| | | 2 | | | 2 | | | 2 | 39-01-2026 | 5559 -02P-210 | 2 | 39-01-2021 | 5559-02P | 2 |
| EDP NO. | ENG. NO. | CIRCUIT | EDP NO. | ENG. NO. | CIRCUIT | EDP NO. | ENG. NO. | CIRCUIT | EDP NO. | ENG. NO. | CIRCUIT | EDP NO. | ENG. NO. | CIRCUIT |

SEE SHEET 1
EC NO: UCP2010-0850 2009/11/09
DRWN: JAGUILAR 2009/11/10
CHKD: JBELL
APPR: FSMITH 2009/11/10
DESCRIPTION
REV

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| 3 PLACES | ± --- | ± .012 |
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| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DRAWN BY | H.HIRAMOTO | 1988/10/14 |
| CHECKED BY | Y.YAMADA | 1988/10/21 |
| APPROVED BY | M.ENOMOTO | 1988/10/24 |

TITLE: NEW MINI. FIT CONNECTOR CRIMP PIN HOUSING

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-5559-NP
SHEET NO.: 2 OF 2
SIZE: C

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