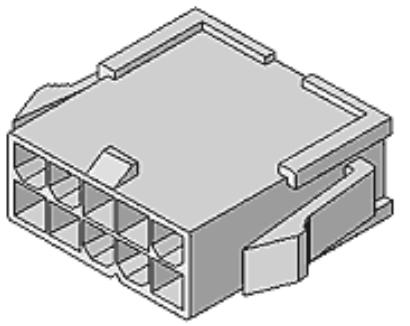
molex
one company > a world of innovation

This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0039013049
Status: Active
Overview: minifit_jr
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Plug Housing, Dual Row, without Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-0, 4 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.. Glow Wire Equivalent Part Number 50361679
Overview	minifit_jr
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (maximum)	4
Color - Resin	Natural
Flammability	94V-0
Gender	Male
Glow-Wire Compliant	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Number of Rows	2
Packaging Type	Bag
Panel Mount	No
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	5559-04P1-210

Reference - Drawing Numbers

Packaging Specification	PK-5559-002
Product Specification	PS-5556-001

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
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

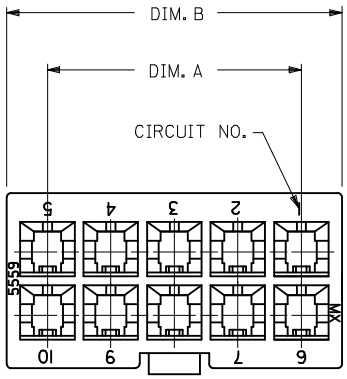
Mates With
39013048 Receptacle Housing, 39012045 Receptacle Housing

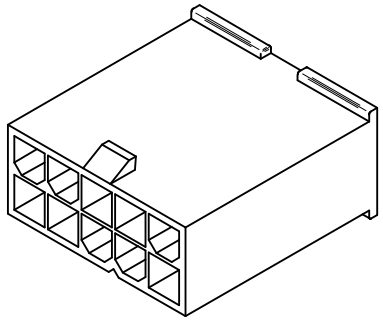
Use With
5558 Mini-Fit Jr.™ Male Crimp Terminals. 44478 Mini-Fit HCS™ Male Crimp Terminals. 30490 Mini-Fit® Male Grounding Crimp Terminals

Sales Drawing	SD-5559-NP1*
Test Summary	TS-5556-002

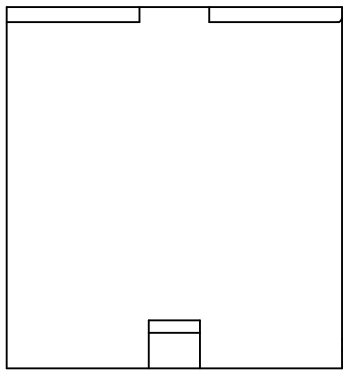
This document was generated on 05/19/2010

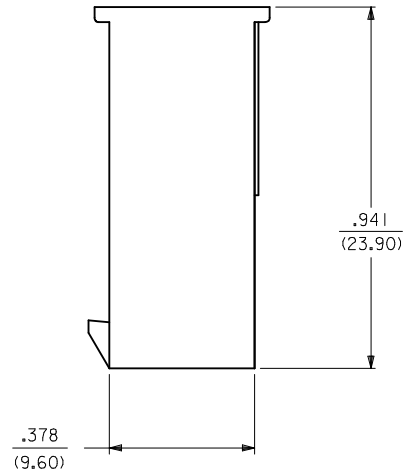
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

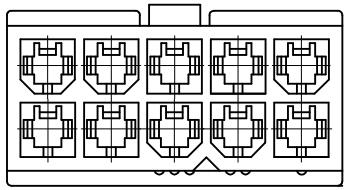


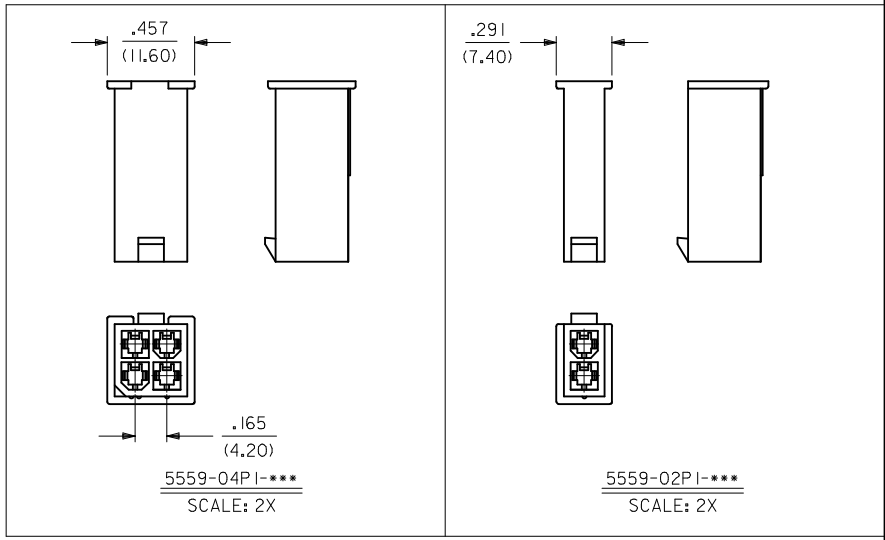


CKT. SIZE	DIM. A	DIM. B
6	.331 (8.40)	.543 (13.80)
8	.496 (12.60)	.709 (18.00)
10	.661 (16.80)	.874 (22.20)
12	.827 (21.00)	1.039 (26.40)
14	.992 (25.20)	1.205 (30.60)
16	1.157 (29.40)	1.370 (34.80)
18	1.323 (33.60)	1.535 (39.00)
20	1.488 (37.80)	1.701 (43.20)
22	1.654 (42.00)	1.866 (47.40)
24	1.819 (46.20)	2.031 (51.60)









NOTES:
1. MATERIAL: BLANK=NYLON 6/6, UL 94V-2, COLOR: NATURAL
   BL=NYLON 6/6, UL94V-2, COLOR: BLACK
   210=NYLON 6/6, UL 94V-0, COLOR: NATURAL
   220=NYLON 6/6, UL 94V-2, U.V. STABILIZED, COLOR: BLACK
2. FINISH: N/A
3. PRODUCT SPECIFICATION: PS-5556-001
4. PACKAGING SPECIFICATION: SEE CHARTS
5. THIS PART MATES WITH RECEPTACLE #5557
6. THIS PART IS FOR USE WITH MOLEX MALE TERMINAL #5558-*

REV	DESCRIPTION	DRWN	CHKD	APPR	DATE
D2	ADDED PK SPECS EC NO: UCP2009-0724	JKLOSTEMEIER	JBELL	FSMITH	2008/10/01 2008/10/03 2008/10/03

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .015
2 PLACES	± 0.38	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	RJF	DATE 1989/09/22
CHECKED BY	BAP	DATE 1989/09/22
APPROVED BY	ROS	DATE 1989/09/22

TITLE: MINI FIT JR SERIES PLUG W/O MTG. EARS

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-5559-NP1*
SHEET NO.: 1 OF 2
SIZE: C

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

2 D2
1 D2

PART NUMBER	ENG. NUMBER	CIRCUIT SIZE	MATERIAL	PACKAGING SPECIFICATION
39-01-3023	5559-02P1	2	94V-2	PK-5559-002
39-01-3043	5559-04P1	4	94V-2	BULK
39-01-3063	5559-06P1	6	94V-2	BULK
39-01-3083	5559-08P1	8	94V-2	BULK
39-01-3103	5559-10P1	10	94V-2	BULK
39-01-3123	5559-12P1	12	94V-2	BULK
39-01-3143	5559-14P1	14	94V-2	BULK
39-01-3163	5559-16P1	16	94V-2	BULK
39-01-3183	5559-18P1	18	94V-2	BULK
39-01-3203	5559-20P1	20	94V-2	BULK
39-01-3223	5559-22P1	22	94V-2	BULK
39-01-3243	5559-24P1	24	94V-2	BULK

PART NUMBER	ENG. NUMBER	CIRCUIT SIZE	MATERIAL	PACKAGING SPECIFICATION
39-01-3029	5559-02P1-210	2	94V-0	PK-5559-002
39-01-3049	5559-04P1-210	4	94V-0	BULK
39-01-3069	5559-06P1-210	6	94V-0	BULK
39-01-3089	5559-08P1-210	8	94V-0	BULK
39-01-3109	5559-10P1-210	10	94V-0	BULK
39-01-3129	5559-12P1-210	12	94V-0	BULK
39-01-3149	5559-14P1-210	14	94V-0	BULK
39-01-3169	5559-16P1-210	16	94V-0	BULK
39-01-3189	5559-18P1-210	18	94V-0	BULK
39-01-3209	5559-20P1-210	20	94V-0	BULK
39-01-3229	5559-22P1-210	22	94V-0	BULK
39-01-3249	5559-24P1-210	24	94V-0	BULK

LEGEND

5559-** P1 - *

- BASE NO
- CIRCUIT SIZE (02-24)
- PLUG WITHOUT MOUNTING EARS
- MATERIAL OPTION: (SEE NOTE 1 ON SHEET 1.)

PART NUMBER	ENG. NUMBER	CIRCUIT SIZE	MATERIAL	PACKAGING SPECIFICATION
15-04-6020	5559-02P1-220	2	94V-2, U.V. STABILIZED	PK-5559-002
NO E.D.P.	5559-04P1-220	4	94V-2, U.V. STABILIZED	BULK
NO E.D.P.	5559-06P1-220	6	94V-2, U.V. STABILIZED	BULK
NO E.D.P.	5559-08P1-220	8	94V-2, U.V. STABILIZED	BULK
NO E.D.P.	5559-10P1-220	10	94V-2, U.V. STABILIZED	BULK
NO E.D.P.	5559-12P1-220	12	94V-2, U.V. STABILIZED	BULK
NO E.D.P.	5559-14P1-220	14	94V-2, U.V. STABILIZED	BULK
NO E.D.P.	5559-16P1-220	16	94V-2, U.V. STABILIZED	BULK
NO E.D.P.	5559-18P1-220	18	94V-2, U.V. STABILIZED	BULK
NO E.D.P.	5559-20P1-220	20	94V-2, U.V. STABILIZED	BULK
NO E.D.P.	5559-22P1-220	22	94V-2, U.V. STABILIZED	BULK
NO E.D.P.	5559-24P1-220	24	94V-2, U.V. STABILIZED	BULK

PART NUMBER	ENG. NUMBER	CIRCUIT SIZE	MATERIAL	PACKAGING SPECIFICATION
39-01-3026	5559-02P1-BL	2	94V-2	PK-5559-002
39-01-3046	5559-04P1-BL	4	94V-2	BULK
39-01-3066	5559-06P1-BL	6	94V-2	BULK
39-01-3086	5559-08P1-BL	8	94V-2	BULK
39-01-3106	5559-10P1-BL	10	94V-2	BULK
39-01-3126	5559-12P1-BL	12	94V-2	BULK
39-01-3146	5559-14P1-BL	14	94V-2	BULK
39-01-3166	5559-16P1-BL	16	94V-2	BULK

ADDED PK SPECS
EC NO: UCP2009-0724
DRWN: JKLOSTEMEIER 2008/10/01
CHKD: JBELL 2008/10/03
APPR: FSMITH 2008/10/03
DESCRIPTION
REV
D2

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± .015
1 PLACE	± 0.38	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

		DATE
DRAWN BY	RJF	1989/09/22
CHECKED BY	BAP	1989/09/22
APPROVED BY	ROS	1989/09/22

TITLE: MINI-FIT JR SERIES PLUG W/O MTG. EARS

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-5559-NP1*
SHEET NO.: 2 OF 2
SIZE: C

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