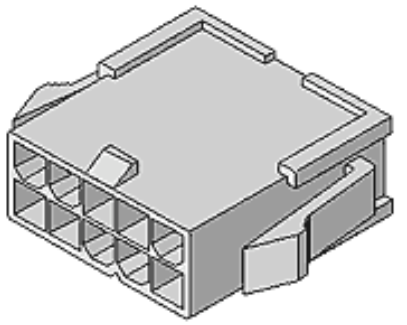
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Part Number: 0050361679
Status: Active
Overview: minifit_jr
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Plug Housing, Dual Row, without Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-0, 4 Circuits, Glow Wire Compatible



Series image - Reference only

Documents:

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

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.
Overview	minifit_jr
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (maximum)	4
Color - Resin	Black
Gender	Plug
Glow-Wire Compliant	Yes
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
Ports	1
Stackable	No
Temperature Range - Operating	-40°C to +105°C

Electrical

Current - Maximum per Contact	13A

Material Info

Old Part Number	5559-04P1-225

Reference - Drawing Numbers

Packaging Specification	PK-5559-002
Product Specification	PS-5556-001
Sales Drawing	SD-5559-425
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.

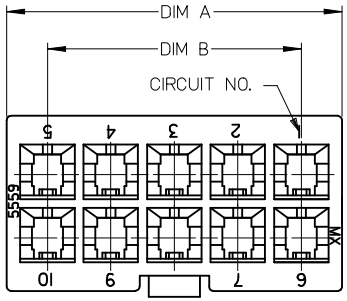
Search Parts in this Series
5559Series

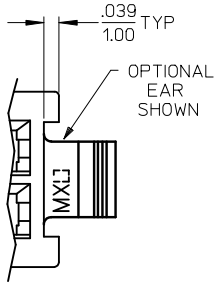
Mates With
5557 Receptacle Housing

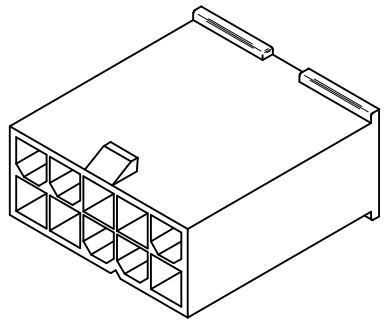
Use With
5558 Male Terminal

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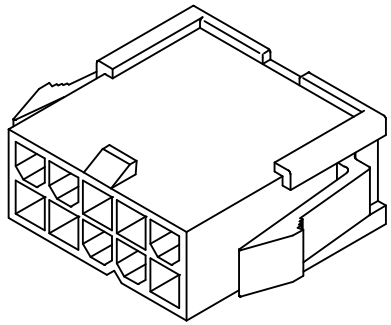






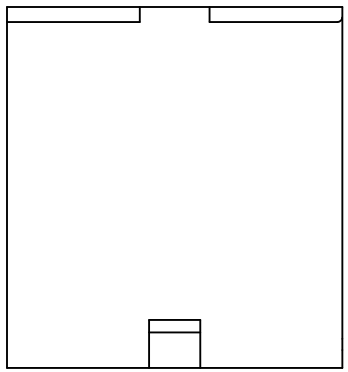
WITHOUT MOUNTING EARS
6-24 CIRCUIT

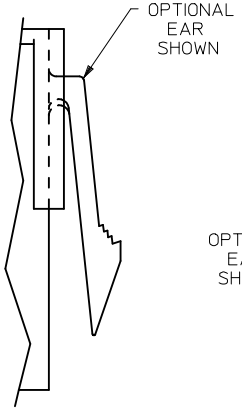
5559-**P1-225

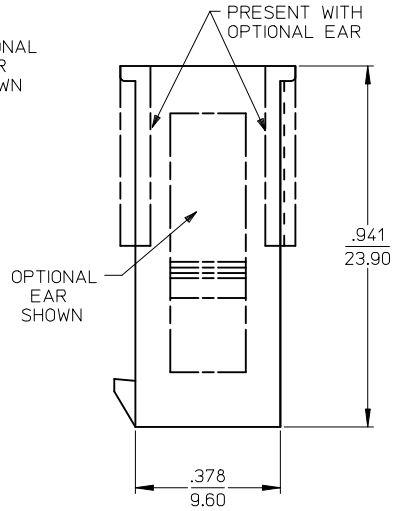


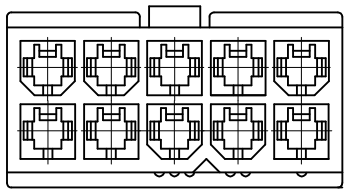
WITH MOUNTING EARS
2-24 CIRCUIT

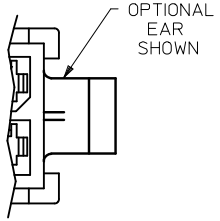
5559-**P-225

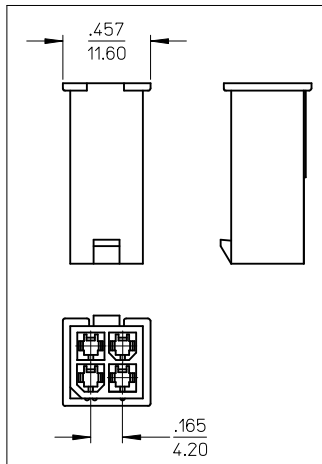








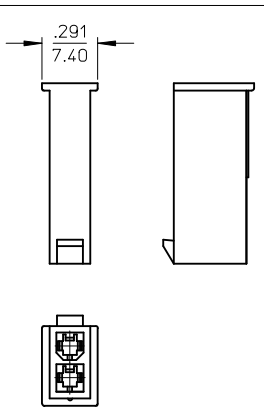




WITHOUT MOUNTING EARS
4 CIRCUIT

5559-04P1-225

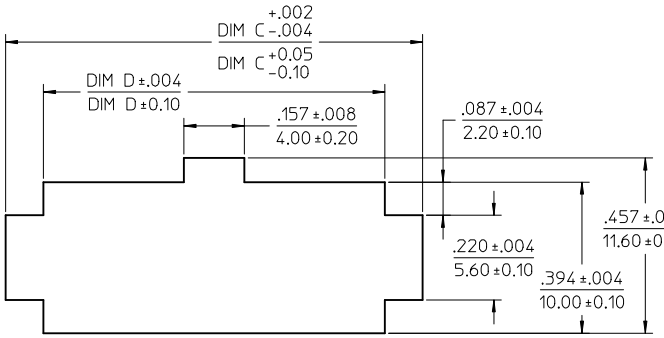
SCALE: 2X



WITHOUT MOUNTING EARS
2 CIRCUIT

5559-02P1-225

SCALE: 2X



RECOMMENDED PANEL CUTOUT
THICKNESS: .032-.079 (0.80-2.00)

2	A3
1	A3
SHT	REV

ADDED PART #S
EC NO: UCP2010-0974 2009/10/14
DRWN: JJAGUILAR 2009/10/20
CHKD: JBELL
APPR: FSMITH 2009/10/20
DESCRIPTION
A3
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
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	LSCHMIDT	DATE 2007/04/25
CHECKED BY	ADERR	DATE 2007/04/27
APPROVED BY	FSMITH	DATE 2007/05/04
MATERIAL NO.	SEE SHEET 2	
DOCUMENT NO.	SD-5559-425	SHEET NO. 1 OF 2
SIZE	C	

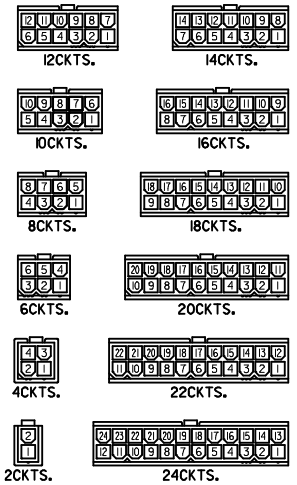
TITLE
MINI-FIT JR PLUG
2-24 CIRCUIT DUAL ROW
W/ & W/O EARS GLOW WIRE

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PART NUMBER		ENGINEERING NO.	CKT SIZE	MOUNTING OPTION	DIM "A"	DIM "B"	DIM "C"	DIM "D"	PACKAGING SPECIFICATION
50-36-1678		5559-02P1-225	02	WITHOUT EARS	SEE SHEET 1	--	NOT APPLICABLE	NOT APPLICABLE	PK-5559-002
50-36-1679		5559-04P1-225	04	WITHOUT EARS	SEE SHEET 1	.165 / 4.20	NOT APPLICABLE	NOT APPLICABLE	
50-36-1675		5559-06P1-225	06	WITHOUT EARS	.54 / 13.8	.331 / 8.40	NOT APPLICABLE	NOT APPLICABLE	
50-36-1737		5559-08P1-225	08	WITHOUT EARS	.71 / 18.0	.496 / 12.60	NOT APPLICABLE	NOT APPLICABLE	
50-36-1738		5559-10P1-225	10	WITHOUT EARS	.87 / 22.2	.661 / 16.80	NOT APPLICABLE	NOT APPLICABLE	
26-01-3096		5559-12P1-225	12	WITHOUT EARS	1.04 / 26.4	.827 / 21.00	NOT APPLICABLE	NOT APPLICABLE	
NOT TOOLED		5559-14P1-225	14	WITHOUT EARS	1.21 / 30.6	.992 / 25.20	NOT APPLICABLE	NOT APPLICABLE	
50-36-1676		5559-16P1-225	16	WITHOUT EARS	1.37 / 34.8	1.158 / 29.40	NOT APPLICABLE	NOT APPLICABLE	
50-36-1677		5559-18P1-225	18	WITHOUT EARS	1.54 / 39.0	1.323 / 33.60	NOT APPLICABLE	NOT APPLICABLE	
NOT TOOLED		5559-20P1-225	20	WITHOUT EARS	1.70 / 43.2	1.488 / 37.80	NOT APPLICABLE	NOT APPLICABLE	
NOT TOOLED		5559-22P1-225	22	WITHOUT EARS	1.87 / 47.4	1.654 / 42.00	NOT APPLICABLE	NOT APPLICABLE	
NOT TOOLED		5559-24P1-225	24	WITHOUT EARS	2.03 / 51.6	1.819 / 46.20	NOT APPLICABLE	NOT APPLICABLE	PK-5559-002
50-36-1734		5559-02P-225	02	WITH EARS	.21 / 5.4	--	.425 / 10.80	.228 / 5.80	BULK
50-36-1735		5559-04P-225	04	WITH EARS	.38 / 9.6	.165 / 4.20	.591 / 15.00	.394 / 10.00	BULK
50-36-1736		5559-06P-225	06	WITH EARS	.54 / 13.8	.331 / 8.40	.756 / 19.20	.559 / 14.20	BULK
50-36-1716		5559-08P-225	08	WITH EARS	.71 / 18.0	.496 / 12.60	.921 / 23.40	.724 / 18.40	BULK
50-36-1739		5559-10P-225	10	WITH EARS	.87 / 22.2	.661 / 16.80	1.087 / 27.60	.890 / 22.60	BULK
50-36-1869		5559-12P-225	12	WITH EARS	1.04 / 26.4	.827 / 21.00	1.252 / 31.80	1.055 / 26.80	BULK
50-36-1876		5559-14P-225	14	WITH EARS	1.21 / 30.6	.992 / 25.20	1.417 / 36.00	1.224 / 31.10	BULK
50-36-2273	X	5559-16P-225	16	WITH EARS	1.37 / 34.8	1.158 / 29.40	1.583 / 40.20	1.390 / 35.30	BULK
NOT TOOLED		5559-18P-225	18	WITH EARS	1.54 / 39.0	1.323 / 33.60	1.748 / 44.40	1.555 / 39.50	BULK
NOT TOOLED		5559-20P-225	20	WITH EARS	1.70 / 43.2	1.488 / 37.80	1.913 / 48.60	1.720 / 43.70	BULK
NOT TOOLED		5559-22P-225	22	WITH EARS	1.87 / 47.4	1.654 / 42.00	2.079 / 52.80	1.886 / 47.90	BULK
NOT TOOLED		5559-24P-225	24	WITH EARS	2.03 / 51.6	1.819 / 46.20	2.244 / 57.00	2.051 / 52.10	BULK

X = NOT TOOLED



REFERENCE FOR CIRCUIT NUMBER ORIENTATION
(OPTIONAL EARS NOT SHOWN)

LEGEND

5559-**P*-225

- CIRCUIT SIZE
- PLUG
- MOUNTING OPTION (SEE NOTE #7)
- MATERIAL

NOTES:
1) MATERIAL:
   "225" = NYLON (PA6), UL94V-0, COLOR: BLACK, IEC 60335-1, 4th EDITION GLOW WIRE CAPABLE.
2) FINISH: NOT APPLICABLE
3) PRODUCT SPECIFICATION: PS-5556-001
4) PACKAGING: SEE CHART
5) PART MATES WITH MOLEX RECEPTACLE #5557.
6) PART TO BE USED WITH MOLEX MALE TERMINAL #5558.
7) MOUNTING OPTIONS:
   "BLANK" = WITH EARS
   "1" = WITHOUT EARS
8) PART IS NOT DESIGNED FOR CURRENT SHARING.
9) CONNECTORS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
10) WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS TO FLOAT FREELY IN THE POCKET.
11) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF DISCOLORATION, FLASH AND SINK MEET CLASS "C" REQUIREMENTS.

ADD PART #S
EC NO: UCP2010-0974 2009/10/14
DRWN: JJAGUILAR 2009/10/20
CHKD: JBELL 2009/10/20
APPR: FSMITH 2009/10/20
DESCRIPTION
REV
A3

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY	LSCHMIDT	DATE 2007/04/25
CHECKED BY	ADERR	DATE 2007/04/27
APPROVED BY	FSMITH	DATE 2007/05/04

TITLE: MINI-FIT JR PLUG 2-24 CIRCUIT DUAL ROW W/ & W/O EARS GLOW WIRE

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MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-5559-425
SHEET NO.: 2 OF 2
SIZE: C

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