

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0050361734](#)
Status: **Active**
Overview: [minifit_jr](#)
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Plug Housing, Dual Row, with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-0, 2 Circuits, Glow Wire Compatible

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)	2
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	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
Ports	1
Stackable	No
Temperature Range - Operating	-40°C to +105°C

Electrical

Current - Maximum per Contact	13A
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Material Info

Old Part Number	5559-02P-225
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Reference - Drawing Numbers

Packaging Specification	PK-5557-003
Product Specification	PS-5556-001
Sales Drawing	SD-5559-425
Test Summary	TS-5556-002, TS-5559-001

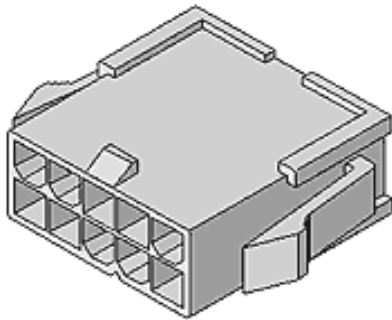


image - Reference only

Series

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](#)

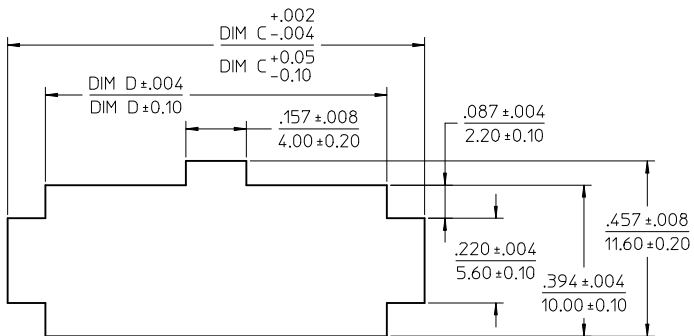
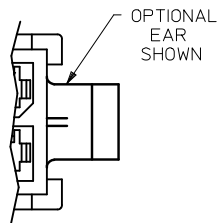
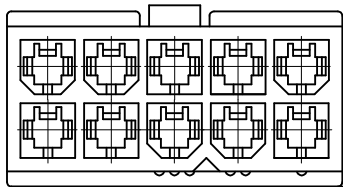
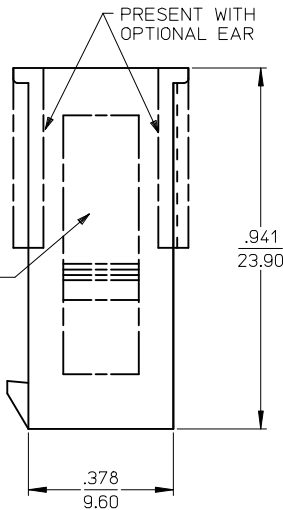
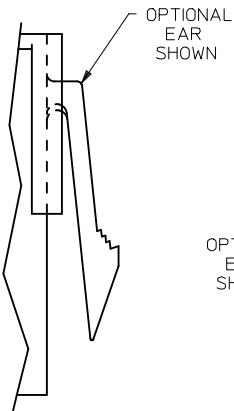
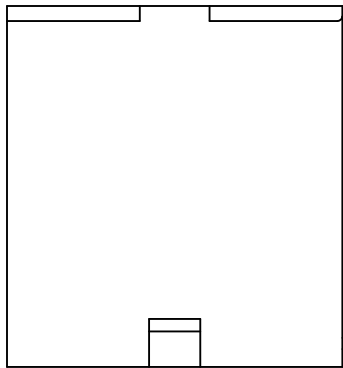
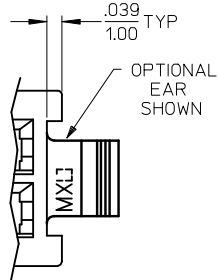
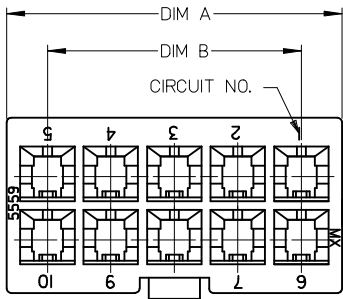
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[5559Series](#)

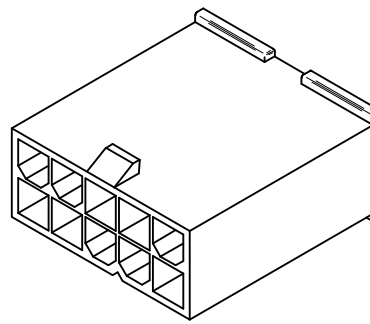
Mates With
[5557](#) Receptacle Housing

Use With
[5558](#) Male Terminal

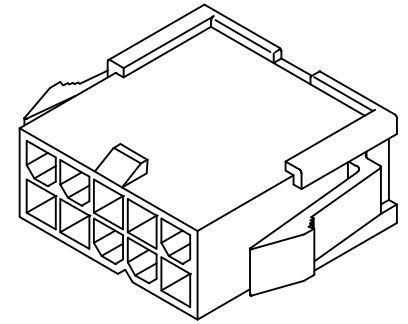
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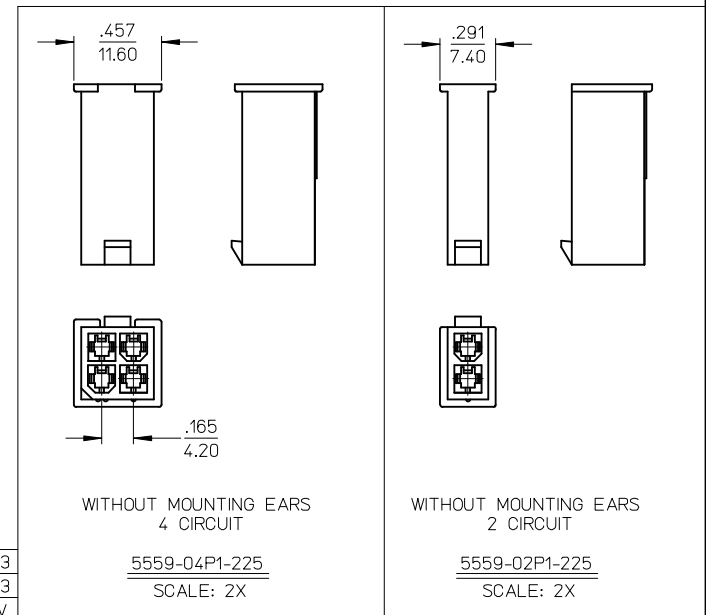
RECOMMENDED PANEL CUTOUT
THICKNESS: .032-.079 (0.80-2.00)



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

2	A3
1	A3
SHT	REV

REV	DESCRIPTION
A3	ADDED PART #S EC NO: UCP2010-0974 DRWN: JAGUAR CHKD: JELL APPR: FSMITH

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
▽=0	
▽=0	
	ANGULAR ±1/2°
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRAWN BY	DATE
LSCHMIDT	2007/04/25
CHECKED BY	DATE
ADERR	2007/04/27
APPROVED BY	DATE
FSMITH	2007/05/04
MATERIAL NO.	
SEE SHEET 2	

SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE	MINI-FIT JR PLUG 2-24 CIRCUIT DUAL ROW W/ & W/O EARS GLOW WIRE	
 MOLEX INCORPORATED		
DOCUMENT NO. SD-5559-425	SHEET NO. 1 OF 2	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

	13	12	11	10	9	8	7	6	5	4	3	2	1
J	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					
I	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					
H	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				
G	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				
F	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												
E	LEGEND CIRCUIT SIZE PLUG MOUNTING OPTION (SEE NOTE #7) MATERIAL 5559-**-P*-225												
	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.												
B	ADD PART #S EC NO: UCP2010-0974 DRWN: J JAGUILAR CHKD: J BELL APPR: F SMITH REV A3 DESCRIPTION 2009/10/14 2009/10/20 2009/10/20 QUALITY SYMBOLS =0 =0 GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE IN/MM DRAWN BY DATE LSCHMIDT 2007/04/25 CHECKED BY DATE ADERR 2007/04/27 APPROVED BY DATE FSMITH 2007/05/04 MATERIAL NO. SEE CHART SIZE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION SCALE --- DESIGN UNITS METRIC THIRD ANGLE PROJECTION MINI-FIT JR PLUG 2-24 CIRCUIT DUAL ROW W/ & W/O EARS G												