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Part Number: 0039013103

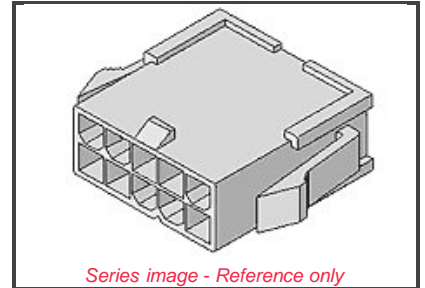
Status: Active **Overview:** [Mini-Fit Jr.™](#)

Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Plug Housing, Dual Row, without Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-2, 10 Circuits

Documents:

Note - Please disable browser pop-up blockers for documents on www.molex.com

- [Drawing \(PDF\)](#) [Product Specification PS-5556-001 \(PDF\)](#)
- [3D Model](#) [Related Catalog Page \(PDF\)](#)



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Part Detail: [\(show all\)](#)

[General](#) [Physical](#) [Electrical](#) [Material Info](#)

General

Product Family	Crimp Housings
Series	5559
Comments	Glow Wire Equivalent Part Number 50361738
Overview	Mini-Fit Jr.™
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (maximum)	10
Color - Resin	Natural
Flammability	94V-2
Gender	Male
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

CSA	LR19980
Current - Maximum	10.000 Amp
Current - Maximum	7.000 Amp
TUV	R75142
UL	E29179

Material Info

EU RoHS

ELV and RoHS Compliant

China RoHS



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Search Parts in this Series

[5559](#) Series

Mates With

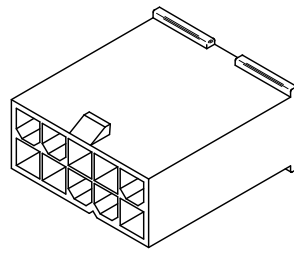
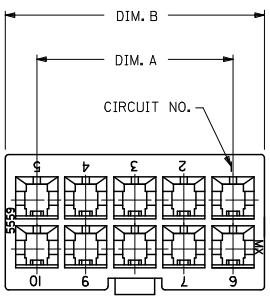
[39-01-2100](#) Receptacle Housing

Use With

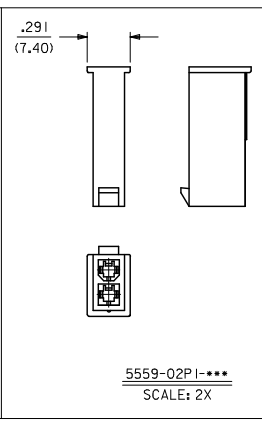
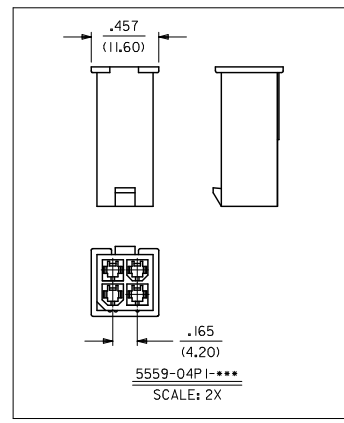
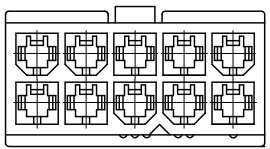
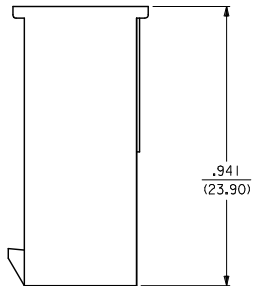
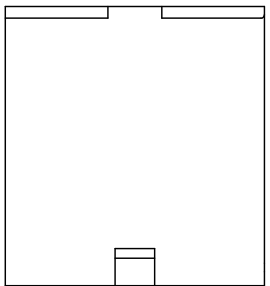
[5558](#) Mini-Fit Jr.™ Male Crimp Terminals
[44478](#) Mini-Fit HCS™ Male Crimp Terminals
[30490](#) Mini-Fit® Male Grounding Crimp Terminals

Old Part Number	5559-10P1
Reference - Drawing Numbers	
Product Specification	PS-5556-001
Sales Drawing	SD-5559-NP1*

13 12 11 10 9 8 7 6 5 4 3 2 1



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)

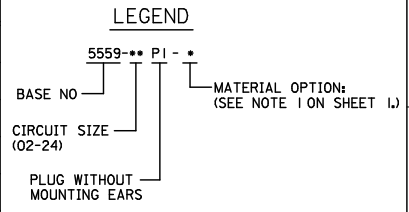


- NOTES:
- MATERIAL: BLANK-NYLON 6/6, UL 94V-2, COLOR: NATURAL
BL-NYLON 6/6, UL94V-2, COLOR: BLACK
210-NYLON 6/6, UL 94V-0, COLOR: NATURAL
220-NYLON 6/6, UL 94V-2, U.V. STABILIZED, COLOR: BLACK
 - FINISH: N/A
 - PRODUCT SPECIFICATION: PS-5556-001
 - PACKAGING SPECIFICATION: SEE CHARTS
 - THIS PART MATES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

ADDED PK SPECS EC NO. UCP2009-0724 DRAWN: KLOSTERMAYER 2008/10/01 CHECKED: BELL 2008/10/03 APPROVED: SMITH 2008/10/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0 ▽=0	4 PLACES ±.005 ±.005	3 PLACES ±.005 ±.015	2 PLACES ±0.38 ±.005	1 PLACE ±.005 ±.005	DRAWN BY RJF DATE 1989/09/22	CHECKED BY BAP DATE 1989/09/22	TITLE MINI FIT JR SERIES PLUG W/O MTG. EARS
		ANGULAR ±1/2°		APPROVED BY ROS DATE 1989/09/22		MOLEX MOLEX INCORPORATED		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		DOCUMENT NO. SD-5559-NP1*		SHEET NO. 1 OF 2

12 11 10 9 8 7 6 5 4 3 2 1

13	12	11	10	9	8	7	6	5	4	3	2	1
PART NUMBER	ENG. NUMBER	CIRCUIT SIZE	MATERIAL	PACKAGING SPECIFICATION	PART NUMBER	ENG. NUMBER	CIRCUIT SIZE	MATERIAL	PACKAGING SPECIFICATION			
39-01-3023	5559-02P1	2	94V-2	PK-5559-002	39-01-3029	5559-02P1-210	2	94V-0	PK-5559-002			
39-01-3043	5559-04P1	4	94V-2	BULK	39-01-3049	5559-04P1-210	4	94V-0	BULK			
39-01-3063	5559-06P1	6	94V-2	BULK	39-01-3069	5559-06P1-210	6	94V-0	BULK			
39-01-3083	5559-08P1	8	94V-2	BULK	39-01-3089	5559-08P1-210	8	94V-0	BULK			
39-01-3103	5559-10P1	10	94V-2	BULK	39-01-3109	5559-10P1-210	10	94V-0	BULK			
39-01-3123	5559-12P1	12	94V-2	BULK	39-01-3129	5559-12P1-210	12	94V-0	BULK			
39-01-3143	5559-14P1	14	94V-2	BULK	39-01-3149	5559-14P1-210	14	94V-0	BULK			
39-01-3163	5559-16P1	16	94V-2	BULK	39-01-3169	5559-16P1-210	16	94V-0	BULK			
39-01-3183	5559-18P1	18	94V-2	BULK	39-01-3189	5559-18P1-210	18	94V-0	BULK			
39-01-3203	5559-20P1	20	94V-2	BULK	39-01-3209	5559-20P1-210	20	94V-0	BULK			
39-01-3223	5559-22P1	22	94V-2	BULK	39-01-3229	5559-22P1-210	22	94V-0	BULK			
39-01-3243	5559-24P1	24	94V-2	BULK	39-01-3249	5559-24P1-210	24	94V-0	BULK			



PART NUMBER	ENG. NUMBER	CIRCUIT SIZE	MATERIAL	PACKAGING SPECIFICATION
I5-04-6020	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 DRAWN: KLOSTERMEIER 2008/10/01 CHKD: BELL 2008/10/03 APPR: SMITH 2008/10/03	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES ±.005 ±.005	mm	INCH	DRAWN BY RJF	DATE 1989/09/22	TITLE MINI-FIT JR SERIES PLUG W/O MTG. EARS		
		3 PLACES ±.005 ±.005	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY BAP	DATE 1989/09/22	MATERIAL NO. SD-5559-NP1*		
		2 PLACES ±.005 ±.015	SEE CHART		APPROVED BY ROS	DATE 1989/09/22	DOCUMENT NO. SHEET NO. 2 OF 2		
1 PLACE ±0.38 ±.005	ANGULAR ±1/2°		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						