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Part Number: 0039291108

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

Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Right Angle, with PCB Mounting Flange, 10 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating

Documents:

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

- [Drawing \(PDF\)](#)
- [Product Specification PS-5557-004 \(PDF\)](#)
- [Product Specification PS-5557-021 \(PDF\)](#)
- [3D Model](#)
- [Related Catalog Page \(PDF\)](#)

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

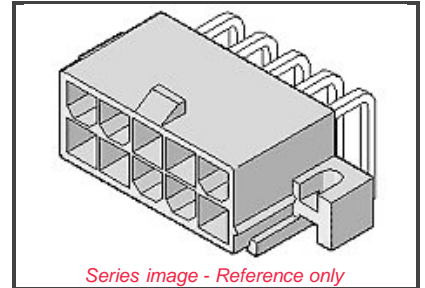
[General](#) [Physical](#) [Electrical](#) [Material Info](#)

General

Product Family	PCB Headers
Series	5569
Application	Wire-to-Board
Comments	10.0A max. with Mini-Fit HCS™ Terminals
Overview	Mini-Fit Jr.™
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Circuits Detail	10
Color - Resin	Natural
Durability (mating cycles) min	30 cycles
First Mate / Last Break	No
Flammability	94V-2
Guide to Mating Part	No
Keying to mating part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.070 In
PCB Thickness Recommended (mm)	1.78 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.165 In
Pitch - Mating Interface (mm)	4.20 mm



EU RoHS **China RoHS**
ELV and RoHS Compliant



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Search Parts in this Series

[5569](#) Series

Mates With

[5557](#) Mini-Fit Jr.™ Receptacle Housing

Pitch - Term. Interface (in)	0.165 In
Pitch - Term. Interface (mm)	4.20 mm
Plating min: Mating (uin)	276
Plating min: Mating (um)	7.00
Plating min: Termination (uin)	200
Plating min: Termination (um)	5.00
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	None
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

CSA	LR19980
Current - Maximum	7.000 Amp
TUV	R75142
UL	E29179
Voltage - Maximum	600V

Material Info

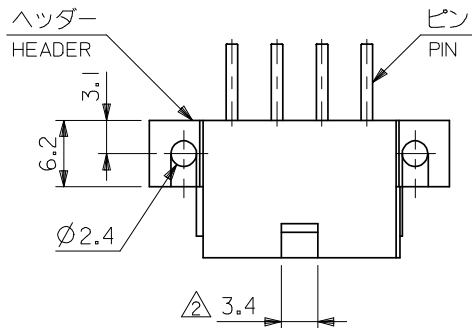
Old Part Number	5569-10A1
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Reference - Drawing Numbers

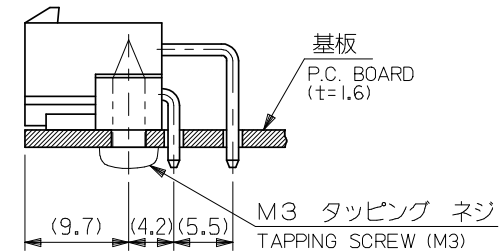
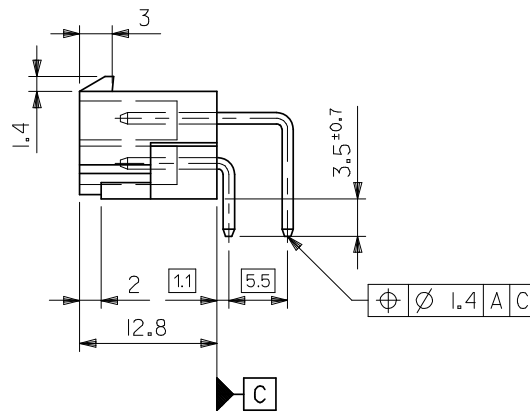
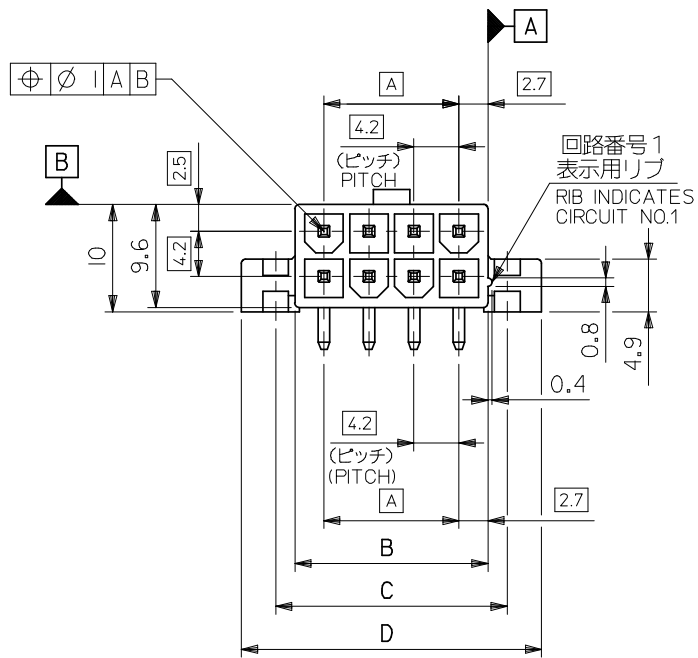
Product Specification	PS-5557-004
Product Specification	PS-5557-021
Sales Drawing	SD-5569-002

注記

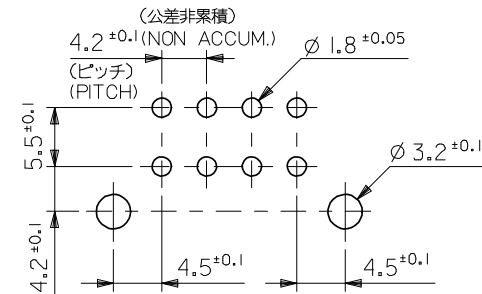
1. 嵌合相手: 5557 シリーズ
MATES WITH: 5557 SERIES
2. 2極の場合のみ本寸法は 4.2
IN CASE OF 2 CIRCUITS HEADER, THIS DIMENSION SHOULD BE 4.2mm.
3. 材料及びメッキ
MATERIAL & FINISH



ENG. NO.	ヘッダー材料 HEADER MATERIAL	ピン材料 PIN MATERIAL	ピンのメッキ FINISH OF PIN
5569-NA1	ナイロン66, UL94V-2 NYLON 66, UL94V-2	黄銅 (□1.07)	銅下地錫メッキ TIN OVER COPPER
-NA1-210	ナイロン66, UL94V-0 NYLON 66, UL94V-0		金 : 0.76μm MIN. GOLD 0.76μm MIN. ニッケル下地 : 1.27μm MIN. OVER NICKEL 1.27μm MIN.
-NAG1	ナイロン66, UL94V-2 NYLON 66, UL94V-2	BRASS (1.07 SQUARE)	
5569-NAG1-210	ナイロン66, UL94V-0 NYLON 66, UL94V-0		



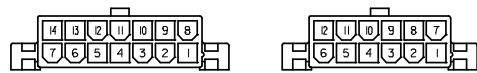
基板取付推奨寸法
RECOMMENDED INSTALLATION PATTERN



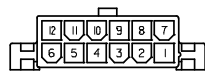
基板穴推奨寸法
RECOMMENDED P.C. BOARD PATTERN

REVISED EC NO: J2008-3781 DRWN:WABEI 2008/05/12 CHKD:MISOGAYA 2008/05/12 APPR:NUKITA 2008/05/12	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	10 UNDER	±0.2	DRAWN BY H.HIRAMOTO	DATE '90/04/23	TITLE NEW MINI FIT CONN R/A HEADER ASSY WITH FLANGE	
	10 OVER 30 UNDER	±0.3	CHECKED BY M.FUKUSHIMA	DATE '91/07/04	MOLEX INCORPORATED	
	30 OVER	±0.4	APPROVED BY M.ENOMOTO	DATE '91/07/04	DOCUMENT NO. SD-5569-002	SHEET NO. 1 OF 2
	ANGULAR	±3°	MATERIAL NO. SEE TABLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

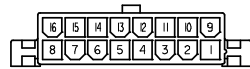
B	61.6	55.2	51.6	46.2	24
	57.4	51	47.4	42	22
	53.2	46.8	43.2	37.8	20
	49	42.6	39	33.6	18
	44.8	38.4	34.8	29.4	16
	40.6	34.2	30.6	25.2	14
	36.4	30	26.4	21	12
	32.2	25.8	22.2	16.8	10
	28	21.6	18	12.6	8
	23.8	17.4	13.8	8.4	6
	19.6	13.2	9.6	4.2	4
	15.4	9	5.4	—	2
A	D	C	B	A	極致 CIRCUIT



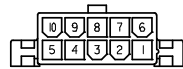
14極
14 CKTS.



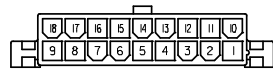
12極
12 CKTS.



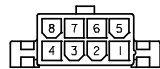
16極
16 CKTS.



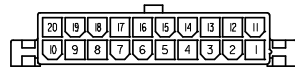
10極
10 CKTS.



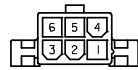
18極
18 CKTS.



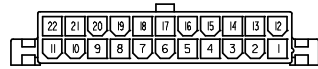
8極
8 CKTS.



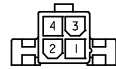
20極
20 CKTS.



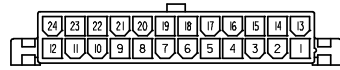
6極
6 CKTS.



22極
22 CKTS.



4極
4 CKTS.



24極
24 CKTS.



2極
2 CKTS.

極数別レイアウト図
CIRCUIT SIZE LAYOUT
(SCALE 1:1)

39-29-4249	5569-24AG1-210	39-29-1247	5569-24A1-210	24
▲ -4229	▲ -22AG1-210	▲ -1227	▲ -22A1-210	22
-4209	-20AG1-210	-1207	-20A1-210	20
-4189	-18AG1-210	-1187	-18A1-210	18
-4169	-16AG1-210	-1167	-16A1-210	16
-4149	-14AG1-210	-1147	-14A1-210	14
-4129	-12AG1-210	-1127	-12A1-210	12
-4109	-10AG1-210	-1107	-10A1-210	10
-4089	-08AG1-210	-1087	-08A1-210	8
-4069	-06AG1-210	-1067	-06A1-210	6
▼ -4049	▼ -04AG1-210	▼ -1047	▼ -04A1-210	4
39-29-4029	5569-02AG1-210	39-29-1027	5569-02A1-210	2
EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	極数
5569-NAG1-210			5569-NA1-210	
39-29-5243	5569-24AG1	39-29-1248	5569-24A1	24
▲ -5223	▲ -22AG1	▲ -1228	▲ -22A1	22
-5203	-20AG1	-1208	-20A1	20
-5183	-18AG1	-1188	-18A1	18
-5163	-16AG1	-1168	-16A1	16
-5143	-14AG1	-1148	-14A1	14
-5123	-12AG1	-1128	-12A1	12
-5103	-10AG1	-1108	-10A1	10
-5083	-08AG1	-1088	-08A1	8
-5063	-06AG1	-1068	-06A1	6
▼ -5043	▼ -04AG1	▼ -1048	▼ -04A1	4
39-29-5023	5569-02AG1	39-29-1028	5569-02A1	2
EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	極数
5569-NAG1			5569-NA1	
			CIRCUIT	

REVISED EC NO: J2008-3781 DRWN: NABEI 2008/05/12 CHKD: MISOGAYA 2008/05/12 APPR: NUKITA 2008/05/12	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
			MM ONLY	2:1	METRIC		
	10 UNDER	±0.2	DRAWN BY	DATE	NEW MINI FIT CONN R/A HEADER ASSY WITH FLANGE		
	10 OVER 30 UNDER	±0.3	H. HIRAMOTO	'90/04/23			
	30 OVER	±0.4	CHECKED BY	DATE	MOLEX INCORPORATED		
ANGULAR ±3°		M. FUKUSHIMA	'91/07/04				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
		M. ENOMOTO	'91/07/04	SEE TABLE	SD-5569-002	2 OF 2	
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