

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039291227

Status:

Active

Overview:

[minifit_jr](#)

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Right Angle, with PCB Mounting Flange, 22 Circuits, PA Polyamide Nylon 6/6 94V-0, Tin (Sn) Plating

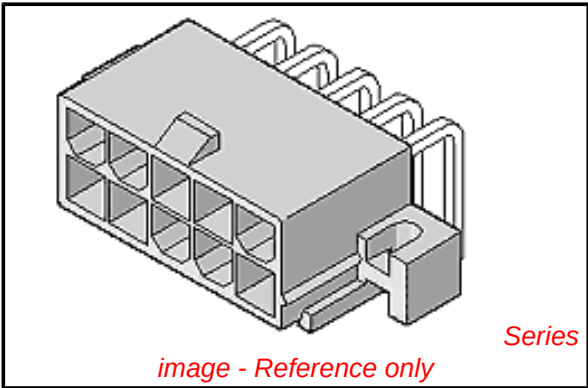
Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification	
CSA	LR19980
TUV	R72081037
UL	E29179
General	
Product Family	PCB Headers
Series	5569
Application	Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS™ Crimp Terminal Crimped to 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 (Loaded)	22
Circuits (maximum)	22
Circuits Detail	22
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
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
Pitch - Term. Interface (in)	0.165 In
Pitch - Term. Interface (mm)	4.20 mm
Plating min: Mating (µin)	276



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free Status

Not Reviewed

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

5569Series

Mates With

5557 Mini-Fit Jr.™ Receptacle Housing

Plating min: Mating (μm)	7.00
Plating min: Termination (μin)	200
Plating min: Termination (μm)	5.00
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	13A
Voltage - Maximum	600V
Material Info	
Old Part Number	5569-22A1-210
Reference - Drawing Numbers	
Packaging Specification	PK-5569-NA*
Product Specification	RPS-5557-024, RPS-5557-031, RPS-5557-036, RPS-5557-050
Sales Drawing	SD-5569-002

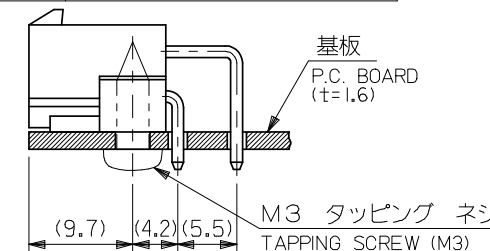
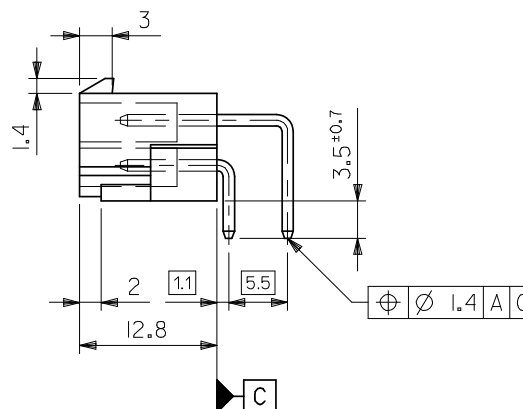
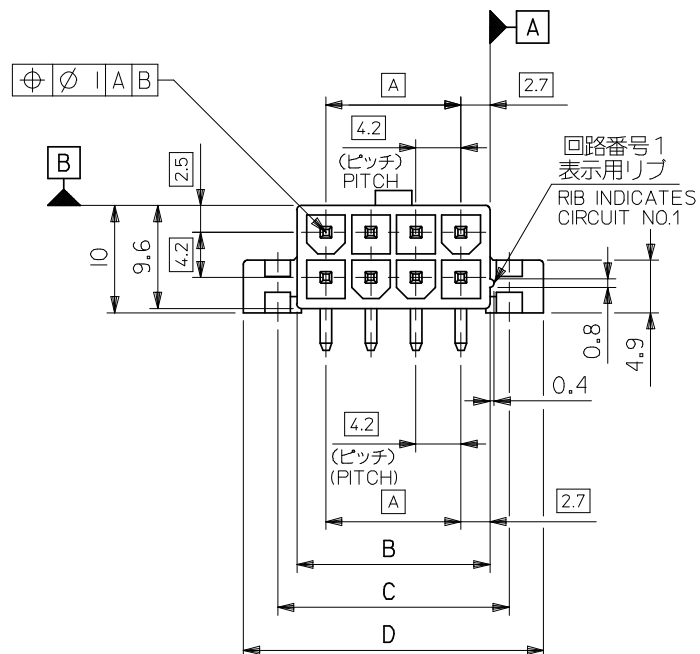
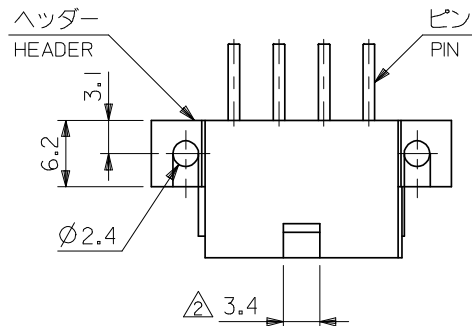
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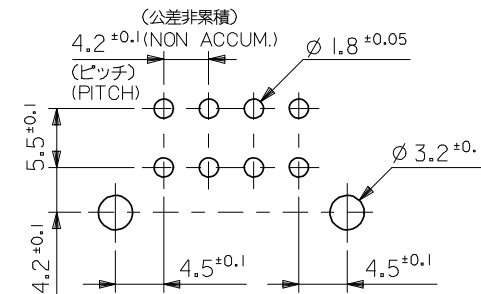
注記

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 ($\square 1.07$) BRASS (1.07 SQUARE)	銅下地錫メッキ TIN OVER COPPER
-NA1-210	ナイロン66, UL94V-0 NYLON 66, UL94V-0		
-NAG1	ナイロン66, UL94V-2 NYLON 66, UL94V-2		金 : $0.76\mu\text{m}$ MIN. GOLD $0.76\mu\text{m}$ MIN.
5569-NAG1-210	ナイロン66, UL94V-0 NYLON 66, UL94V-0		ニッケル下地 : $1.27\mu\text{m}$ MIN. OVER NICKEL $1.27\mu\text{m}$ MIN.



基板取付推奨寸法
RECOMMENDED INSTALLATION PATTERN



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

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
D	C	B	A	極数 CIRCUIT

REVISED EC NO: J2008-3781 DRWN:WABEI 2008/05/12 CHKD:M.SOGAYA 2008/05/12 APPR:NUKITA 2008/05/12	DESCRIPTION	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	NEW MINI FIT CONN R/A HEADER ASSY WITH FLANGE				
		10 OVER 30 UNDER	± 0.3	CHECKED BY M.FUKUSHIMA	DATE '91/07/04					
		30 OVER	± 0.4	APPROVED BY M.ENOMOTO	DATE '91/07/04	molex MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-5569-002		1 OF 2		
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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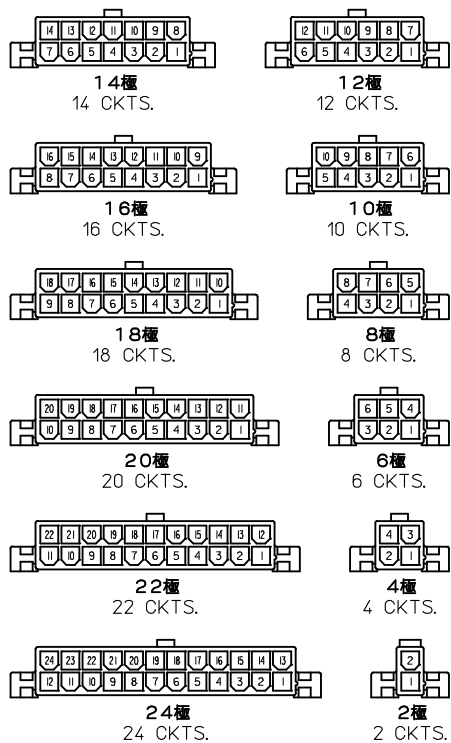
E

D

C

B

A



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

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

REVISED

EC NO.: J2008-3781

DRWN: MNABEI 2008/05/12

CHKD: MISOGAYA 2008/05/12

APPR: NUKITA 2008/05/12

REV J

DESCRIPTION

GENERAL TOLERANCES
(UNLESS SPECIFIED)

10 UNDER ±0.2

10 OVER 30 UNDER ±0.3

30 OVER ±0.4

ANGULAR ±3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY H.HIRAMOTO

DATE '90/04/23

CHECKED BY M.FUKUSHIMA

DATE '91/07/04

APPROVED BY M.ENOMOTO

DATE '91/07/04

MATERIAL NO.

SEE TABLE

SIZE A3

DIMENSION STYLE

SCALE 2:1

DESIGN UNITS METRIC

THIRD ANGLE PROJECTION

TITLE

NEW MINI FIT CONN R/A
HEADER ASSY WITH FLANGE

MOLEX INCORPORATED

DOCUMENT NO. SD-5569-002

SHEET NO. 2 OF 2