

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039295103

Status:

Active

Overview:

[minifit_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, Gold (Au) Plating

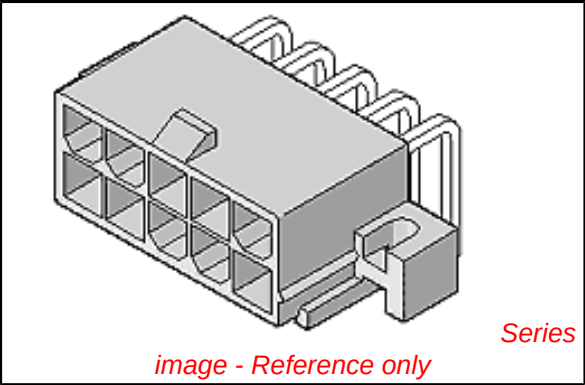
Documents:

[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)	10
Circuits (maximum)	10
Circuits Detail	10
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
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	Gold
Material - Plating Termination	Gold
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
Polarized to Mating Part	Yes



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

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
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Old Part Number	5569-10AG1
Reference - Drawing Numbers	
Packaging Specification	PK-5569-NA*
Sales Drawing	SD-5569-002

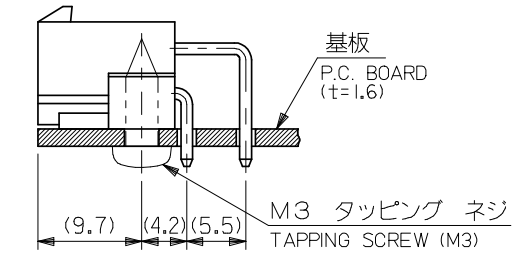
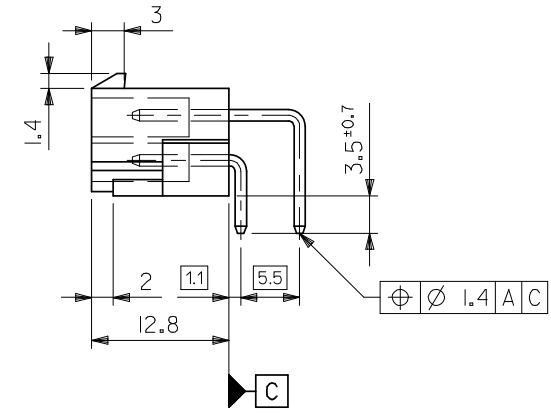
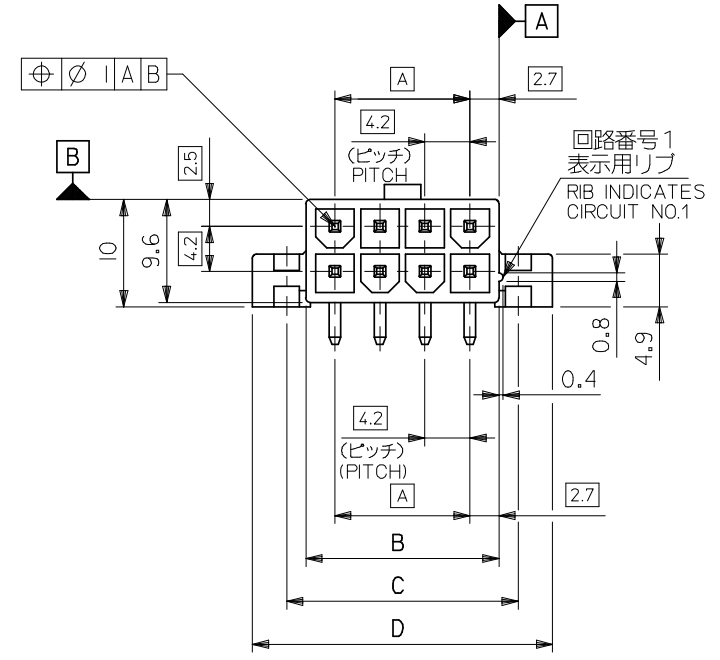
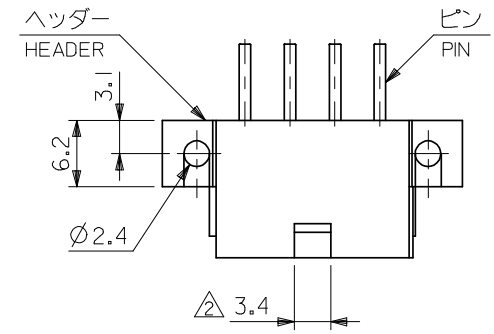
This document was generated on 05/21/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

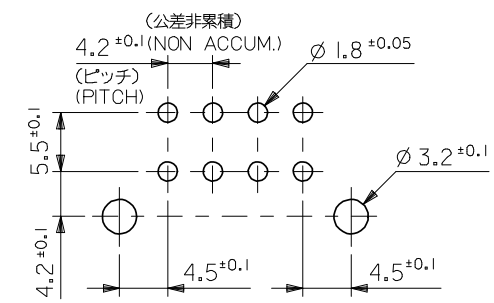
注記

- 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) 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 : 0.76μm MIN. GOLD 0.76μm MIN.
5569-NAG1-210	ナイロン66, UL94V-0 NYLON 66, UL94V-0		ニッケル下地 : 1.27μm MIN. OVER NICKEL 1.27μm MIN.



基板取付推奨寸法
RECOMMENDED INSTALLATION PATTERN



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

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	極数 CIRCUIT

REVISED EC NO: J2008-3781 DRWN:WABEI CHKD:MISOGAYA APPR:NUKITA	DESCRIPTION 2008/05/12 2008/05/12 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					
		30 OVER	± 0.4	APPROVED BY M. ENOMOTO	DATE '91/07/04					
		ANGULAR ±3 °		MATERIAL NO.		MOLEX MOLEX INCORPORATED		DOCUMENT NO.		SHEET NO.
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-5569-002		1 OF 2		
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

F

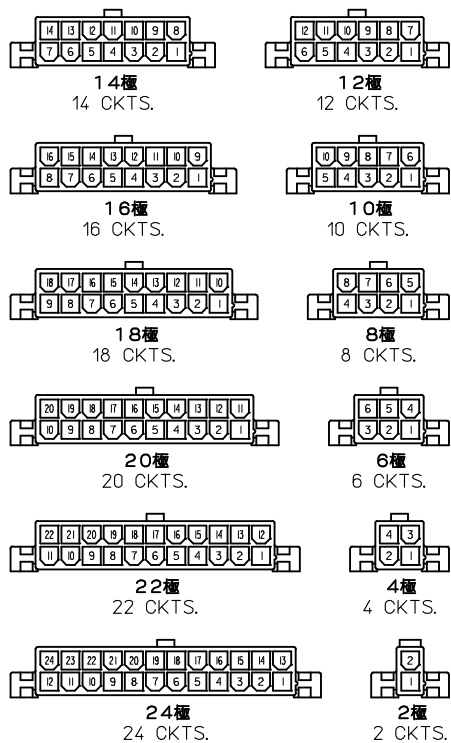
E

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: MISO GAYA 2008/05/12 APPR: NUKITA 2008/05/12 J	DESCRIPTION REV	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						
		30 OVER	±0.4	APPROVED BY M. ENOMOTO	DATE '91/07/04	MOLEX INCORPORATED					
		ANGULAR ±3 °		MATERIAL NO.							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO. SD-5569-002		SHEET NO. 2 OF 2			