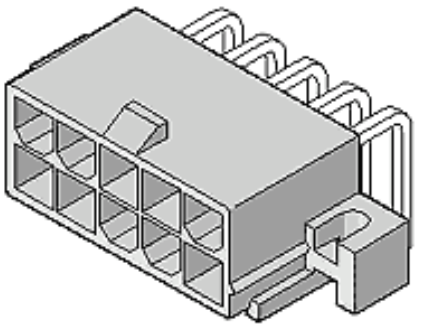
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This document was generated on 06/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0039291208
Status: Active
Overview: minifit_jr
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Right Angle, with PCB Mounting Flange, 20 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating



Series image - Reference only

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 Crimpted to to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current de-rating information.
MolexKits	Yes
Overview	minifit_jr
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Circuits Detail	20
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	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

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 (µin)	276
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	5569-20A1

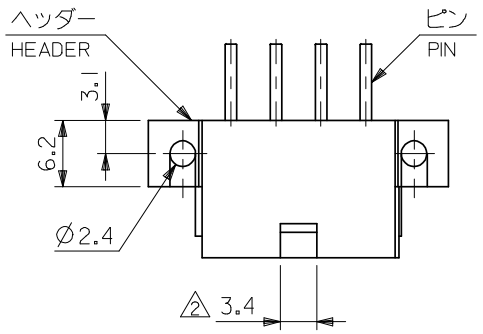
Reference - Drawing Numbers

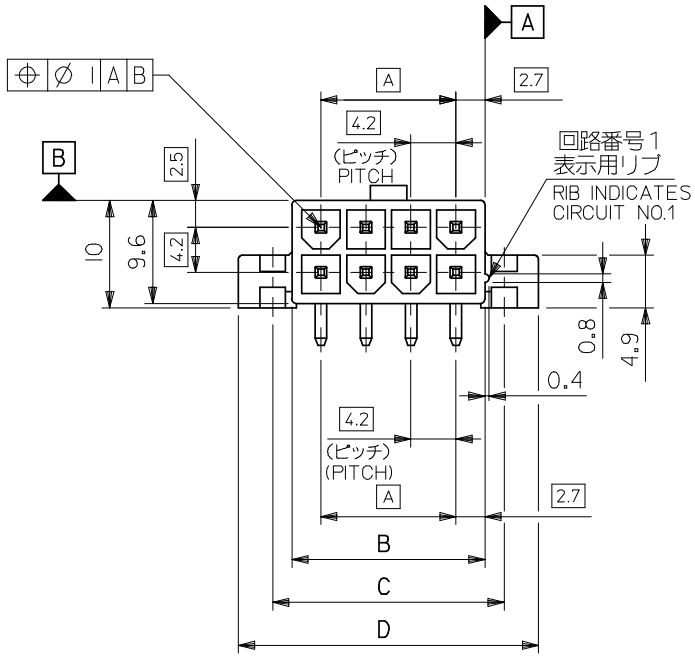
Packaging Specification	PK-5569-NA*
Sales Drawing	SD-5569-002

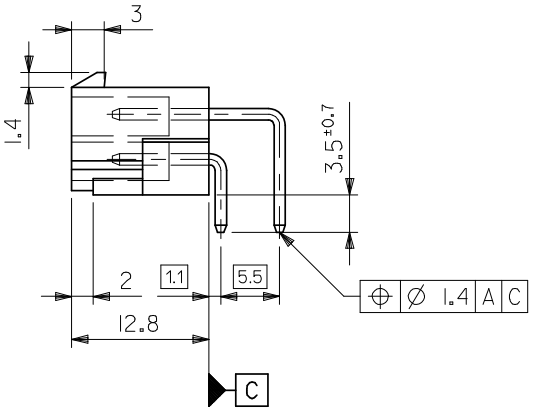
注記

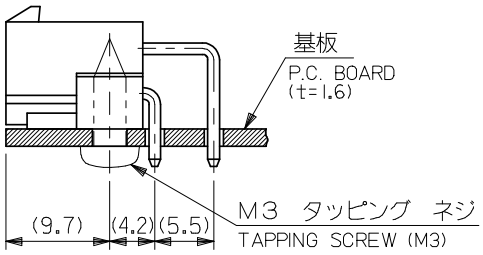
1. 嵌合相手：5557シリーズ
   MATES WITH : 5557 SERIES
2. ２極の場合のみ本寸法は 4.2
   IN CASE OF 2 CIRCUITS HEADER, THIS DIMENSION SHOULD BE 4.2mm.
3. 材料及びメッキ
   MATERIAL & FINISH

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

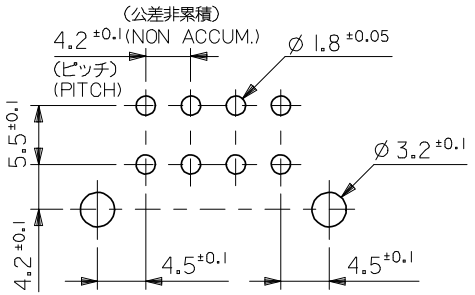








基板取付推奨寸法
RECOMMENDED INSTALLATION PATTERN



基板穴推奨寸法
RECOMMENDED P.C.BOARD PATTERN

D	C	B	A	極数 CIRCUIT
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

REVISED
EC NO: J2008-3781 2008/05/12
DRWN:MNABEI 2008/05/12
CH'KD:MISOGAYA 2008/05/12
APPR:NUKITA 2008/05/12
DESCRIPTION
REV J

GENERAL TOLERANCES (UNLESS SPECIFIED)

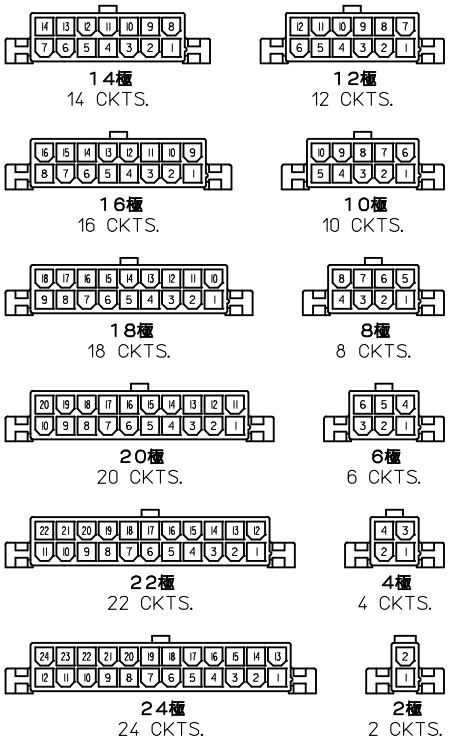
10 UNDER	±0.2
10 OVER 30 UNDER	±0.3
30 OVER	±0.4
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 2:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: H.HIRAMOTO DATE: '90/04/23	TITLE: NEW MINI FIT CONN R/A HEADER ASSY WITH FLANGE		
CHECKED BY: M.FUKUSHIMA DATE: '91/07/04			
APPROVED BY: M.ENOMOTO DATE: '91/07/04	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE TABLE	DOCUMENT NO.: SD-5569-002	SHEET NO.: 1 OF 2	

SIZE A3

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

39-29-4249	5569-24AGI-210	39-29-1247	5569-24AI-210	24
-4229	-22AGI-210	-1227	-22AI-210	22
-4209	-20AGI-210	-1207	-20AI-210	20
-4189	-18AGI-210	-1187	-18AI-210	18
-4169	-16AGI-210	-1167	-16AI-210	16
-4149	-14AGI-210	-1147	-14AI-210	14
-4129	-12AGI-210	-1127	-12AI-210	12
-4109	-10AGI-210	-1107	-10AI-210	10
-4089	-08AGI-210	-1087	-08AI-210	8
-4069	-06AGI-210	-1067	-06AI-210	6
-4049	-04AGI-210	-1047	-04AI-210	4
39-29-4029	5569-02AGI-210	39-29-1027	5569-02AI-210	2
EDP NO.	ENG. NO.	EDP NO.	ENG. NO.	極数
5569-NAGI-210		5569-NAI-210		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 2008/05/12
DRWN:MNABEI 2008/05/12
CH'KD:MISOGAYA 2008/05/12
APPR:NUKITA 2008/05/12
DESCRIPTION
REV J

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
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: H.HIRAMOTO DATE: '90/04/23
CHECKED BY: M.FUKUSHIMA DATE: '91/07/04
APPROVED BY: M.ENOMOTO DATE: '91/07/04

TITLE: NEW MINI FIT CONN R/A HEADER ASSY WITH FLANGE

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-5569-002
SHEET NO.: 2 OF 2
SIZE: A3

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