

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039314128

Status:

Active

Overview:

[minifit_jr](#)

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Right Angle, with PCB Mounting Flanges, 12 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) over Nickel (Ni)

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-5556-001 for additional current de-rating information.
Overview	minifit_jr
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Circuits Detail	12
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	Nickel
Material - Resin	Nylon
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.142 In
PC Tail Length (mm)	3.60 mm
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

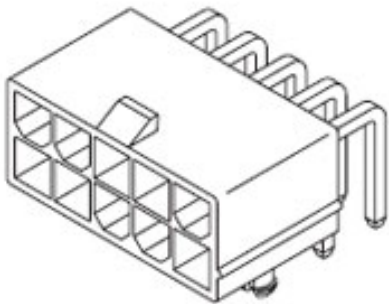


image - Reference only

Series

EU RoHS	China RoHS
Compliance Status	
Not Reviewed	
REACH SVHC	
Not Reviewed	
Halogen-Free	
Status	
Not Reviewed	

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

Pitch - Term. Interface (mm)	4.20 mm
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	5569-12A1S
Reference - Drawing Numbers	
Sales Drawing	SD-5569-NA*-*

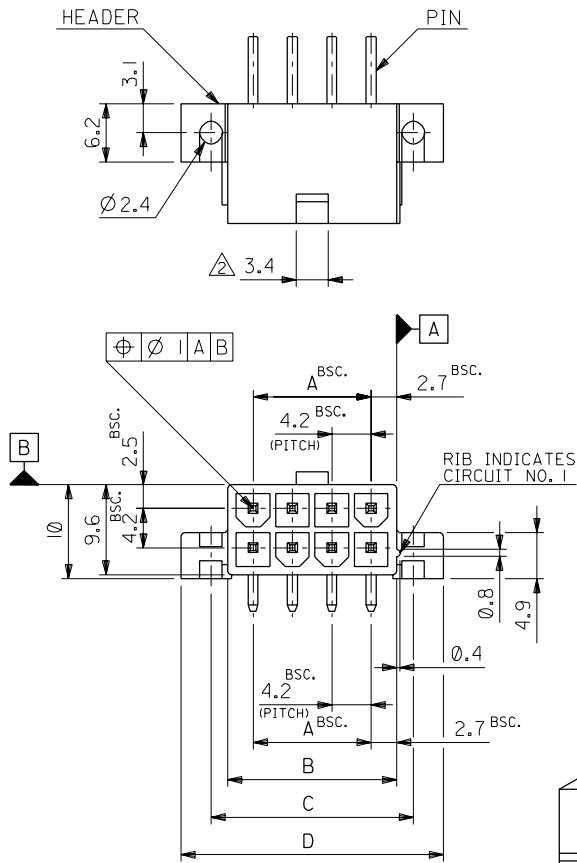
This document was generated on 05/21/2010

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EDP NO. SD-5569-NA-1-1
SEE SHEET 2 OF 2

MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

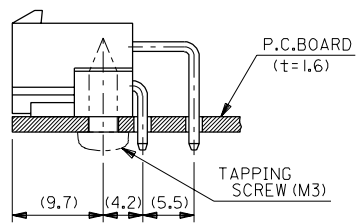
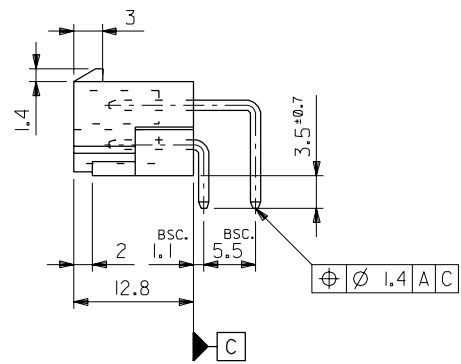
61.6	55.2	51.6	46.2	24
57.4	51	47.4	42	22
53.2	46.8	43.2	37.8	20
49	42.6	39	33.6	18
44.8	38.4	34.8	29.4	16
40.6	34.2	30.6	25.2	14
36.4	30	26.4	21	12
32.2	25.8	22.2	16.8	10
28	21.6	18	12.6	8
23.8	17.4	13.8	8.4	6
19.6	13.2	9.6	4.2	4
15.4	9	5.4	—	2
D	C	B	A	NO. OF CKTS.



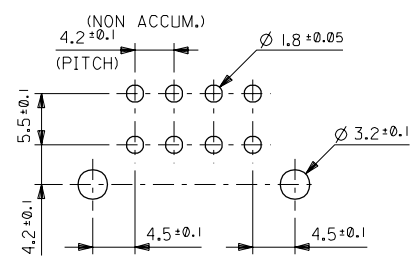
NOTES

- 1. MATES WITH : 5557 SERIES
- △ IN CASE OF 2 CIRCUITS HEADER, THIS DIMENSION SHOULD BE 4.2mm.
- 3. MATERIAL & FINISH

ENG. NO.	HEADER MATERIAL	PIN MATERIAL	FINISH OF PIN
5569-NA1	NYLON 66, UL94V-2	BRASS (1.07 SQUARE)	TIN OVER COPPER
↑ -NA1-210	NYLON 66, UL94V-0		
-NA1-310	G.F. 30% PCT, UL94V-0		GOLD 0.76μm MIN. OVER NICKEL 1.27μm MIN.
-NAG1	NYLON 66, UL94V-2		
-NAG1-210	NYLON 66, UL94V-0		GOLD 1.27μm MIN. OVER NICKEL 1.27μm MIN.
-NAG1-310	G.F. 30% PCT, UL94V-0		
-NAG3	NYLON 66, UL94V-2		TIN 2.54μm MIN. OVER NICKEL 1.27μm MIN.
-NAG3-210	NYLON 66, UL94V-0		
-NAG3-310	G.F. 30% PCT, UL94V-0		
-NAIS	NYLON 66, UL94V-2		
↓ -NAIS-210	NYLON 66, UL94V-0		
5569-NAIS-310	G.F. 30% PCT, UL94V-0		



RECOMMENDED INSTALLATION PATTERN



RECOMMENDED P.C. BOARD PATTERN

PATTERN						材料 MATERIAL SEE NOTE 3		MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
						仕上げ FINISH SEE NOTE 3		EDP.NO. SEE SHEET 2 OF 2	
						適用電線範囲 WIRE RANGE —H—		ENG.NO. SHEET 1 OF 2	
						被覆外径 INS. RANGE —H—		SD-5569-NA**-*	
						DRAWN BY 90/4/17 H.HIRAMOTO		TITLE 名称	
						CHK'D BY 91/07/04 M.FUKUSHIMA		NEW MINI. FIT CONN. RIGHT ANGLE	
						APPR'D BY 91/07/04 M.ENOMOTO		HEADER ASS'Y WITH FLANGE	

$\vdash \text{MM}$ 

(SCALE : 1 - 1)

MXJ-8