

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039303033

Status:

Active

Overview:

minifit_jr

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Single Row, Right Angle, with PCB Mounting Flanges, 3 Circuits, PA Polyamide Nylon 6/6, 94V-2, 0.76µm (30µ") (Au) Plating

Documents:

3D Model

Drawing (PDF)

Product Specification PS-5556-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

TUV

R72081037

UL

E29179

General

Product Family

Series

Application

Comments

PCB Headers

5569

Wire-to-Board

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

Product Name

minifit_jr

Mini-Fit Jr.™

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

No

3

3

3

Natural

30

No

94V-2

No

No

None

Yes

Brass

Gold

Gold

Nylon

1

Right Angle

Yes

Yes

0.070 In

1.78 mm

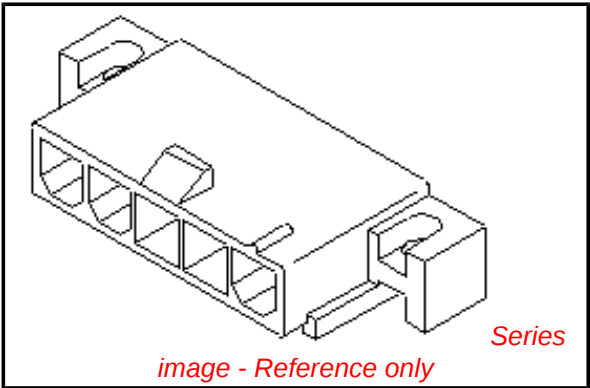
Bag

0.165 In

4.20 mm

0.165 In

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

39-01-4030 Receptacle

Plating min: Mating (μin)	30
Plating min: Mating (μm)	0.76
Plating min: Termination (μin)	30
Plating min: Termination (μm)	0.76
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	5569-03A3G
Reference - Drawing Numbers	
Packaging Specification	PK-5569-002
Product Specification	PS-5556-001
Sales Drawing	SDA-5569-03A**
Test Summary	TS-5556-002

This document was generated on 05/21/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

13	12	11	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																		
<table><tr><th>PART NUMBER</th><th>ENGINEERING NUMBER</th><th>MOUNT OPTION</th><th>PLATING</th><th>MAT'L.</th></tr><tr><td>39-31-1032</td><td>5569-03A4-BL</td><td>4</td><td>BLANK</td><td>BL</td></tr><tr><td>39-30-3031</td><td>5569-03A3</td><td>3</td><td>BLANK</td><td>BLANK</td></tr><tr><td>39-30-4039</td><td>5569-03A3GS2</td><td>3</td><td>15 GOLD</td><td></td></tr><tr><td>39-30-4037</td><td>5569-03A3GS</td><td>3</td><td>30 GOLD</td><td></td></tr><tr><td>39-30-4035</td><td>5569-03A3G2</td><td>3</td><td>15 GOLD</td><td></td></tr><tr><td>39-30-3033</td><td>5569-03A3G</td><td>3</td><td>30 GOLD</td><td></td></tr><tr><td>39-30-3035</td><td>5569-03A4</td><td>4</td><td>BLANK</td><td></td></tr><tr><td>39-30-4033</td><td>5569-03A4GS2</td><td>4</td><td>15 GOLD</td><td></td></tr><tr><td>39-30-4031</td><td>5569-03A4GS</td><td>4</td><td>30 GOLD</td><td></td></tr><tr><td>39-30-3039</td><td>5569-03A4G2</td><td>4</td><td>15 GOLD</td><td></td></tr><tr><td>39-30-3037</td><td>5569-03A4G</td><td>4</td><td>30 GOLD</td><td></td></tr><tr><td>39-30-6039</td><td>5569-03A3S</td><td>3</td><td>TIN/NICKEL</td><td></td></tr><tr><td>39-30-7031</td><td>5569-03A4S</td><td>4</td><td>TIN/NICKEL</td><td>BLANK</td></tr><tr><td>39-30-3032</td><td>5569-03A3-210</td><td>3</td><td>BLANK</td><td>210</td></tr><tr><td>39-30-5030</td><td>5569-03A3GS2-210</td><td>3</td><td>15 GOLD</td><td></td></tr><tr><td>39-30-4038</td><td>5569-03A3GS-210</td><td>3</td><td>30 GOLD</td><td></td></tr><tr><td>39-30-4036</td><td>5569-03A3G2-210</td><td>3</td><td>15 GOLD</td><td></td></tr><tr><td>39-30-3034</td><td>5569-03A3G-210</td><td>3</td><td>30 GOLD</td><td></td></tr><tr><td>39-30-3036</td><td>5569-03A4-210</td><td>4</td><td>BLANK</td><td></td></tr><tr><td>39-30-4034</td><td>5569-03A4GS2-210</td><td>4</td><td>15 GOLD</td><td></td></tr><tr><td>39-30-4032</td><td>5569-03A4GS-210</td><td>4</td><td>30 GOLD</td><td></td></tr><tr><td>39-30-4030</td><td>5569-03A4G2-210</td><td>4</td><td>15 GOLD</td><td></td></tr><tr><td>39-30-3038</td><td>5569-03A4G-210</td><td>4</td><td>30 GOLD</td><td></td></tr><tr><td>39-30-7030</td><td>5569-03A3S-210</td><td>3</td><td>TIN/NICKEL</td><td></td></tr><tr><td>39-30-7032</td><td>5569-03A4S-210</td><td>4</td><td>TIN/NICKEL</td><td></td></tr><tr><td>50-34-8577</td><td>5569-03A4MS-210</td><td>4</td><td>MATTE TIN</td><td>210</td></tr><tr><td>NO E.D.P.</td><td>5569-03A5</td><td>5</td><td>BLANK</td><td>BLANK</td></tr><tr><td>NO E.D.P.</td><td>5569-03A5GS2</td><td>5</td><td>15 GOLD</td><td></td></tr><tr><td>NO E.D.P.</td><td>5569-03A5GS</td><td>5</td><td>30 GOLD</td><td></td></tr><tr><td>NO E.D.P.</td><td>5569-03A5G2</td><td>5</td><td>15 GOLD</td><td></td></tr><tr><td>NO E.D.P.</td><td>5569-03A5G</td><td>5</td><td>30 GOLD</td><td></td></tr><tr><td>NO E.D.P.</td><td>5569-03A5S</td><td>5</td><td>TIN/NICKEL</td><td>BLANK</td></tr><tr><td>NO E.D.P.</td><td>5569-03A5-210</td><td>5</td><td>BLANK</td><td>210</td></tr><tr><td>NO E.D.P.</td><td>5569-03A5GS2-210</td><td>5</td><td>15 GOLD</td><td></td></tr><tr><td>NO E.D.P.</td><td>5569-03A5GS-210</td><td>5</td><td>30 GOLD</td><td></td></tr><tr><td>NO E.D.P.</td><td>5569-03A5G2-210</td><td>5</td><td>15 GOLD</td><td></td></tr><tr><td>NO E.D.P.</td><td>5569-03A5G-210</td><td>5</td><td>30 GOLD</td><td></td></tr><tr><td>39-34-3037</td><td>5569-03A5S-210</td><td>5</td><td>TIN/NICKEL</td><td>210</td></tr></table>				PART NUMBER	ENGINEERING NUMBER	MOUNT OPTION	PLATING	MAT'L.	39-31-1032	5569-03A4-BL	4	BLANK	BL	39-30-3031	5569-03A3	3	BLANK	BLANK	39-30-4039	5569-03A3GS2	3	15 GOLD		39-30-4037	5569-03A3GS	3	30 GOLD		39-30-4035	5569-03A3G2	3	15 GOLD		39-30-3033	5569-03A3G	3	30 GOLD		39-30-3035	5569-03A4	4	BLANK		39-30-4033	5569-03A4GS2	4	15 GOLD		39-30-4031	5569-03A4GS	4	30 GOLD		39-30-3039	5569-03A4G2	4	15 GOLD		39-30-3037	5569-03A4G	4	30 GOLD		39-30-6039	5569-03A3S	3	TIN/NICKEL		39-30-7031	5569-03A4S	4	TIN/NICKEL	BLANK	39-30-3032	5569-03A3-210	3	BLANK	210	39-30-5030	5569-03A3GS2-210	3	15 GOLD		39-30-4038	5569-03A3GS-210	3	30 GOLD		39-30-4036	5569-03A3G2-210	3	15 GOLD		39-30-3034	5569-03A3G-210	3	30 GOLD		39-30-3036	5569-03A4-210	4	BLANK		39-30-4034	5569-03A4GS2-210	4	15 GOLD		39-30-4032	5569-03A4GS-210	4	30 GOLD		39-30-4030	5569-03A4G2-210	4	15 GOLD		39-30-3038	5569-03A4G-210	4	30 GOLD		39-30-7030	5569-03A3S-210	3	TIN/NICKEL		39-30-7032	5569-03A4S-210	4	TIN/NICKEL		50-34-8577	5569-03A4MS-210	4	MATTE TIN	210	NO E.D.P.	5569-03A5	5	BLANK	BLANK	NO E.D.P.	5569-03A5GS2	5	15 GOLD		NO E.D.P.	5569-03A5GS	5	30 GOLD		NO E.D.P.	5569-03A5G2	5	15 GOLD		NO E.D.P.	5569-03A5G	5	30 GOLD		NO E.D.P.	5569-03A5S	5	TIN/NICKEL	BLANK	NO E.D.P.	5569-03A5-210	5	BLANK	210	NO E.D.P.	5569-03A5GS2-210	5	15 GOLD		NO E.D.P.	5569-03A5GS-210	5	30 GOLD		NO E.D.P.	5569-03A5G2-210	5	15 GOLD		NO E.D.P.	5569-03A5G-210	5	30 GOLD		39-34-3037	5569-03A5S-210	5	TIN/NICKEL	210	RIGHT ANGLE HEADER (SCREW MOUNT)				RIGHT ANGLE HEADER (PEG MOUNT)			
PART NUMBER	ENGINEERING NUMBER	MOUNT OPTION	PLATING	MAT'L.																																																																																																																																																																																																										
39-31-1032	5569-03A4-BL	4	BLANK	BL																																																																																																																																																																																																										
39-30-3031	5569-03A3	3	BLANK	BLANK																																																																																																																																																																																																										
39-30-4039	5569-03A3GS2	3	15 GOLD																																																																																																																																																																																																											
39-30-4037	5569-03A3GS	3	30 GOLD																																																																																																																																																																																																											
39-30-4035	5569-03A3G2	3	15 GOLD																																																																																																																																																																																																											
39-30-3033	5569-03A3G	3	30 GOLD																																																																																																																																																																																																											
39-30-3035	5569-03A4	4	BLANK																																																																																																																																																																																																											
39-30-4033	5569-03A4GS2	4	15 GOLD																																																																																																																																																																																																											
39-30-4031	5569-03A4GS	4	30 GOLD																																																																																																																																																																																																											
39-30-3039	5569-03A4G2	4	15 GOLD																																																																																																																																																																																																											
39-30-3037	5569-03A4G	4	30 GOLD																																																																																																																																																																																																											
39-30-6039	5569-03A3S	3	TIN/NICKEL																																																																																																																																																																																																											
39-30-7031	5569-03A4S	4	TIN/NICKEL	BLANK																																																																																																																																																																																																										
39-30-3032	5569-03A3-210	3	BLANK	210																																																																																																																																																																																																										
39-30-5030	5569-03A3GS2-210	3	15 GOLD																																																																																																																																																																																																											
39-30-4038	5569-03A3GS-210	3	30 GOLD																																																																																																																																																																																																											
39-30-4036	5569-03A3G2-210	3	15 GOLD																																																																																																																																																																																																											
39-30-3034	5569-03A3G-210	3	30 GOLD																																																																																																																																																																																																											
39-30-3036	5569-03A4-210	4	BLANK																																																																																																																																																																																																											
39-30-4034	5569-03A4GS2-210	4	15 GOLD																																																																																																																																																																																																											
39-30-4032	5569-03A4GS-210	4	30 GOLD																																																																																																																																																																																																											
39-30-4030	5569-03A4G2-210	4	15 GOLD																																																																																																																																																																																																											
39-30-3038	5569-03A4G-210	4	30 GOLD																																																																																																																																																																																																											
39-30-7030	5569-03A3S-210	3	TIN/NICKEL																																																																																																																																																																																																											
39-30-7032	5569-03A4S-210	4	TIN/NICKEL																																																																																																																																																																																																											
50-34-8577	5569-03A4MS-210	4	MATTE TIN	210																																																																																																																																																																																																										
NO E.D.P.	5569-03A5	5	BLANK	BLANK																																																																																																																																																																																																										
NO E.D.P.	5569-03A5GS2	5	15 GOLD																																																																																																																																																																																																											
NO E.D.P.	5569-03A5GS	5	30 GOLD																																																																																																																																																																																																											
NO E.D.P.	5569-03A5G2	5	15 GOLD																																																																																																																																																																																																											
NO E.D.P.	5569-03A5G	5	30 GOLD																																																																																																																																																																																																											
NO E.D.P.	5569-03A5S	5	TIN/NICKEL	BLANK																																																																																																																																																																																																										
NO E.D.P.	5569-03A5-210	5	BLANK	210																																																																																																																																																																																																										
NO E.D.P.	5569-03A5GS2-210	5	15 GOLD																																																																																																																																																																																																											
NO E.D.P.	5569-03A5GS-210	5	30 GOLD																																																																																																																																																																																																											
NO E.D.P.	5569-03A5G2-210	5	15 GOLD																																																																																																																																																																																																											
NO E.D.P.	5569-03A5G-210	5	30 GOLD																																																																																																																																																																																																											
39-34-3037	5569-03A5S-210	5	TIN/NICKEL	210																																																																																																																																																																																																										
NOTES: 1) HOUSING MATERIAL: "BLANK" = NYLON 6/6, U.L. 94V-2, COLOR: NATURAL. 210 = NYLON 6/6, U.L. 94V-0, COLOR: NATURAL. BL = NYLON 6/6, U.L. 94V-2, COLOR: BLACK. 2) PART MATES WITH MOLEX RECEPTACLE #5557. 3) TERMINAL MATERIAL: BRASS, ALLOY 4) TERMINAL PLATING: "BLANK" - .000200/(.00508) MIN. BRIGHT TIN OVER .00100/(.00254) MIN. COPPER OVERALL. G - .000030/(.00076) MIN. GOLD OVER .000050/(.00127) MIN. NICKEL OVERALL. G2 - .000015/(.00038) MIN. GOLD OVER .000030/(.00076) MIN. NICKEL OVERALL. S - .000100/(.00254) MIN. BRIGHT TIN OVER .000050/(.00127) MIN. NICKEL. MS - .000100/(.00254) MIN. MATTE TIN OVER .000050/(.00127) MIN. NICKEL *GS - .000030/(.00076) MIN. SELECT GOLD, .000100/(.00254) MIN. SELECT MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL. *GS2 - .000015/(.00038) MIN. SELECT GOLD, .000100/(.00254) MIN. SELECT MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL. *THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC." CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING. 5) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: SEE PS-5556-001				6) PART IS DESIGNED FOR USE WITH 4 - 40 OR M3 SCREWS. 7) DISCOLORATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY. 8) CONNECTORS ARE NOT BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE. 9) PARTS ARE NOT DESIGNED FOR CURRENT SHARING. 10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.				LEGEND 5569-03A**** BASE NO. _____ CIRCUIT SIZE _____ ASSEMBLY _____ MOUNTING & RAMP OPTION _____ *3" = SCREW MOUNT, POSITIVE RAMP *4" = PEG MOUNT, POSITIVE RAMP *5" = PEG MOUNT, PASSIVE RAMP HOUSING MAT'L. OPTION (SEE NOTE 1) PLATING OPTION (SEE NOTE 4)																																																																																																																																																																																																						
ADDED 50348577 EC NO: UCP2009-1190 DRWN: JLOSTENIER 2008/11/11 CHKD: JBEL 2008/11/13 APPR: FSNITH 2008/11/14 REV				QUALITY SYMBOLS ▽=0 ▽=0				GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± .005</td><td>± .0002</td></tr><tr><td>3 PLACES</td><td>± .010</td><td>± .0004</td></tr><tr><td>2 PLACES</td><td>± .025</td><td>± .0010</td></tr><tr><td>1 PLACE</td><td>± .038</td><td>± .0015</td></tr></table> ANGULAR ± 3 °					mm	INCH	4 PLACES	± .005	± .0002	3 PLACES	± .010	± .0004	2 PLACES	± .025	± .0010	1 PLACE	± .038	± .0015	DIMENSION STYLE IN/MM DRAWN BY DATE GEP 9/20/90 CHECKED BY DATE RJF 9/20/90 APPROVED BY DATE RAS 9/20/90 MATERIAL NO. SEE CHART DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION RIGHT ANGLE HEADER ASSY, 3 CKT., SINGLE ROW, MINI-FIT JR. SERIES MOLEX MOLEX INCORPORATED DOCUMENT NO. SDA-5569-03A** SHEET NO. 1 OF 1 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																																																																																																																																															
	mm	INCH																																																																																																																																																																																																												
4 PLACES	± .005	± .0002																																																																																																																																																																																																												
3 PLACES	± .010	± .0004																																																																																																																																																																																																												
2 PLACES	± .025	± .0010																																																																																																																																																																																																												
1 PLACE	± .038	± .0015																																																																																																																																																																																																												
1b_frame_C.P_ME_T Rev. D 2004/04/02				12				11				10				9				8				7				6				5				4				3				2				1																																																																																																																																																														