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Part Number:

0039304031

Status:

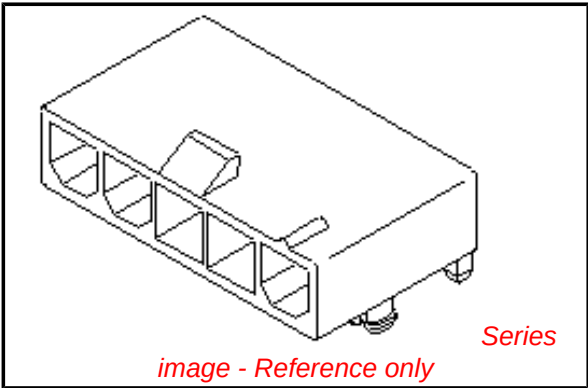
Active

Overview:

Mini-Fit Jr.™

Description:

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



Documents:	
3D Model	Product Specification PS-5556-001 (PDF)
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	Mini-Fit Jr.™
Product Name	Mini-Fit Jr.™
Physical	
Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Circuits Detail	3
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	Tin
Material - Resin	Nylon
Number of Rows	1
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

39-01-4030 Receptacle

Plating min: Mating (μin)	30
Plating min: Mating (μm)	0.76
Plating min: Termination (μin)	100
Plating min: Termination (μm)	2.54
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

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	240

Material Info

Old Part Number	5569-03A4GS
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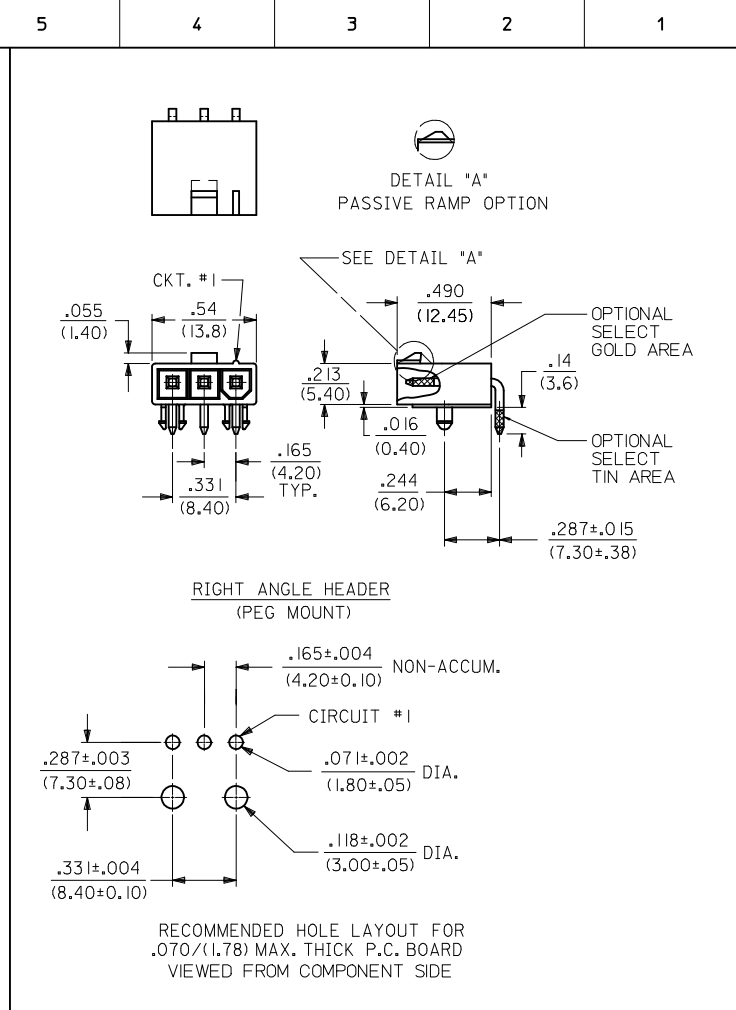
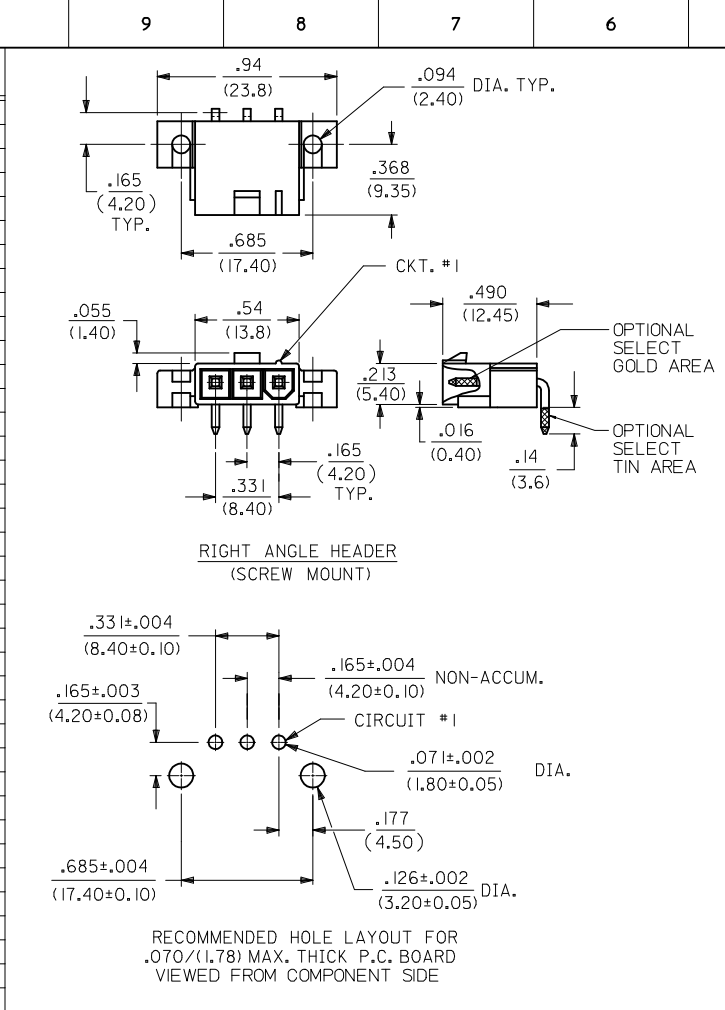
Reference - Drawing Numbers

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 05/12/2010

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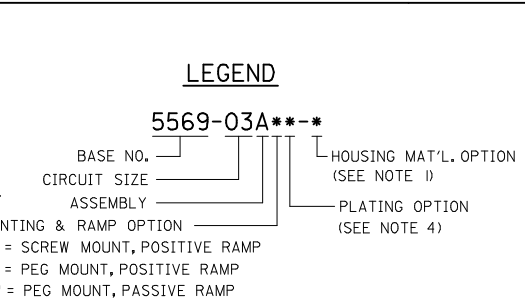
13	12	11	10
PART NUMBER	ENGINEERING NUMBER	MOUNT OPTION	PLATING
39-31-1032	5569-03A4-BL	4	BLANK
39-30-3031	5569-03A3	3	BLANK
39-30-4039	5569-03A3GS2	3	15 GOLD
39-30-4037	5569-03A3GS	3	30 GOLD
39-30-4035	5569-03A3G2	3	15 GOLD
39-30-3033	5569-03A3G	3	30 GOLD
39-30-3035	5569-03A4	4	BLANK
39-30-4033	5569-03A4GS2	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
39-30-3032	5569-03A3-210	3	BLANK
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
NO E.D.P.	5569-03A5	5	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
NO E.D.P.	5569-03A5-210	5	BLANK
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



NOTES:

- 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.
- PART MATES WITH MOLEX RECEPTACLE *5557.
- TERMINAL MATERIAL: BRASS, ALLOY
- 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.
- PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: SEE PS-5556-001

- PART IS DESIGNED FOR USE WITH 4 - 40 OR M3 SCREWS.
- 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.
- CONNECTORS ARE NOT BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
- PARTS ARE NOT DESIGNED FOR CURRENT SHARING.
- PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.



S - .000100/(.00254) MIN. BRIGHT TIN OVER .000050/(.00127) MIN. NICKEL.	
MS - .000100/(0.00254) MIN. MATTE TIN OVER .000050/(0.00127) 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/(.0254) 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	

ADDED 50348577 EC NO: UCP2009-1190 DRWN: JKLSTERNER 2008/11/11 CHKD: JBELL 2008/11/13 APPR: FSMITH 2008/11/14	DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY GEP	DATE 9/20/90	TITLE RIGHT ANGLE HEADER ASSY, 3 CKT., SINGLE ROW, MINI-FIT JR. SERIES		
				4 PLACES	± ---	± ---	CHECKED BY RJF	DATE 9/20/90			
				3 PLACES	± ---	± .010	APPROVED BY RAS	DATE 9/20/90	molex MOLEX INCORPORATED		
				2 PLACES	± 0.25	± .015	MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-5569-03A**			SHEET NO. 1 OF 1
				1 PLACE	± 0.38	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
				ANGULAR ± 3 °							