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Part Number: [0039304038](#)
Status: **Active**
Overview: [Mini-Fit 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-0, 0.76µm (30µ") Gold (Au)

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-5556-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

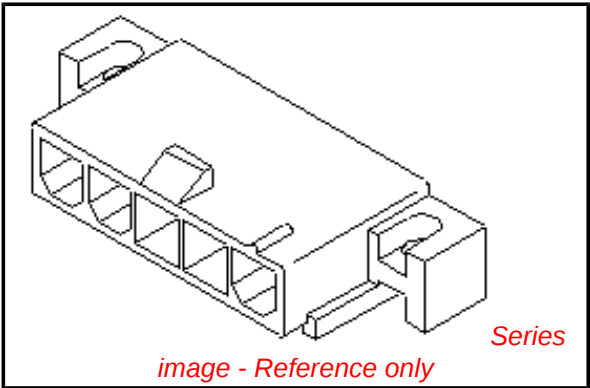
CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	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-0
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
Plating min: Mating (µin)	30



EU RoHS
ELV and RoHS
Compliant
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
[39-01-4031](#) Receptacle

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	5569-03A3GS-210
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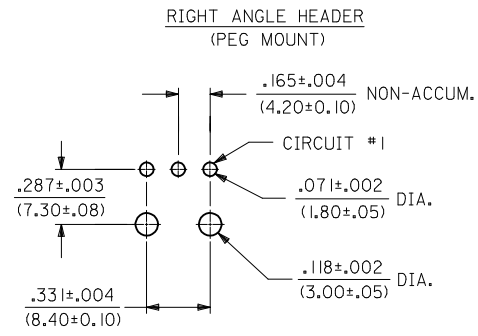
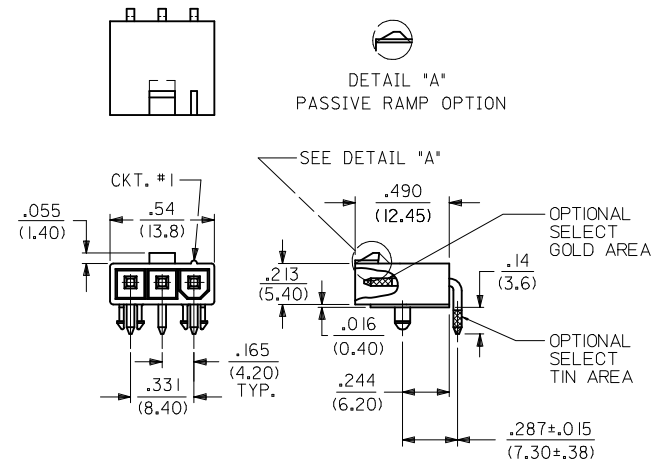
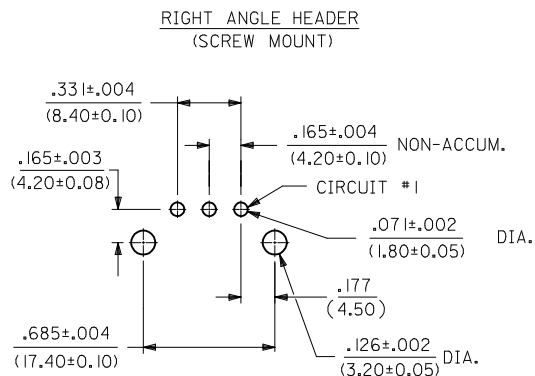
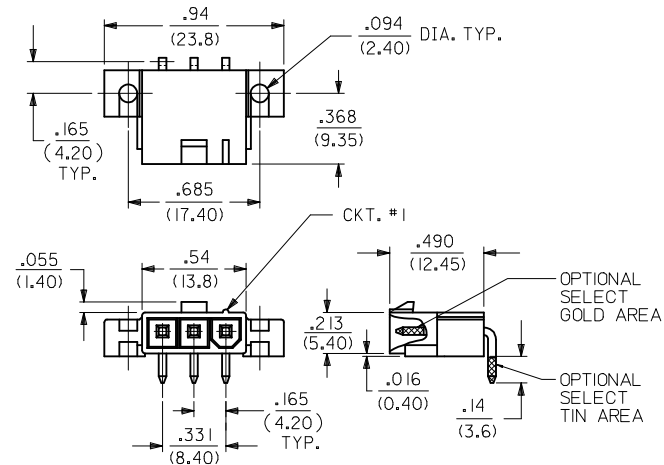
Reference - Drawing Numbers

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 05/11/2010

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13	12	11	10	9	8	7	6	5	4	3	2	1
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:

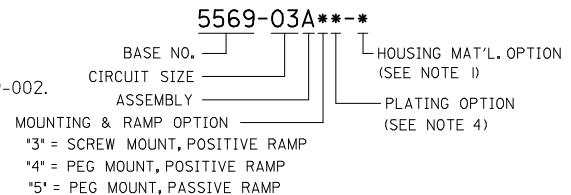
- HOUSING MATERIAL:
"BLANK" = NYLON 6/6, U.L. 94V-2, COLOR: NATURAL.
210 = NYLON 6/6, U.L. 94V-0, COLOR: NATURAL.
BL = NYLON 6/6, U.L. 94V-2, COLOR: BLACK.
- PART MATES WITH MOLEX RECEPTACLE #5557.
- TERMINAL MATERIAL: BRASS, ALLOY
- TERMINAL PLATING:
"BLANK" - .000200/(.00508) MIN. BRIGHT TIN OVER .00100/(.00254) 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.

- 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.

*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

LEGEND



ADDED 50348577 EC NO: UCP2009-1190 DRAWN: JLOSTOMER 2008/11/11 CHKD: JBELL 2008/11/13 APPR: FSM/TH 2008/11/14	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	TITLE
				IN/MM		1:1	METRIC		
				DRAWN BY DATE		RIGHT ANGLE HEADER ASSY, 3 CKT., SINGLE ROW, MINI-FIT JR. SERIES			
				GEP 9/20/90					
				CHECKED BY DATE					
				RJF 9/20/90					
				APPROVED BY DATE					
				RAS 9/20/90					
				MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
				SEE CHART		SDA-5569-03A**	1 OF 1		
R2	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				