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Part Number:

0039300120

Status:

Active

Overview:

[minifit_jr](#)

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 12 Circuits, PA Polyamide Nylon 6/6 94V-0, Tin (Sn) Plating

Documents:

[3D Model](#)

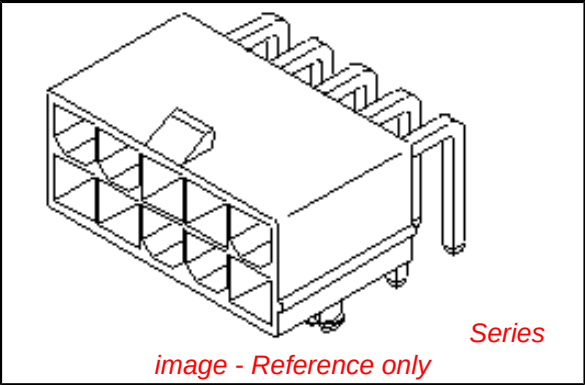
[Drawing \(PDF\)](#)

[Product Specification PS-5556-001 \(PDF\)](#)

[Product Specification PS-5557-045 \(PDF\)](#)

[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-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	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
Halogen-Free

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)	200
Plating min: Mating (μm)	5.00
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

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	5569-12A2-210
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Reference - Drawing Numbers

Packaging Specification	PK-5569-002
Product Specification	PS-5556-001, PS-5557-045, RPS-5557-055
Sales Drawing	SDA-5569-NA2*-*
Test Summary	TS-5556-002

This document was generated on 05/21/2010

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BULK PACKAGED PK-5569-002									
PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L
39-30-0023	5569-02A2GS	2	30 μ" SELECT GOLD SEE NOTE 2 OPTION "GS"	94V-2	39-30-0024	5569-02A2GS-210	2	30 μ" SELECT GOLD SEE NOTE 2 OPTION "GS"	94V-0
39-30-0043	5569-04A2GS	4			39-30-0044	5569-04A2GS-210	4		
39-30-0063	5569-06A2GS	6			39-30-0064	5569-06A2GS-210	6		
39-30-0083	5569-08A2GS	8			39-30-0084	5569-08A2GS-210	8		
39-30-0103	5569-10A2GS	10			39-30-0104	5569-10A2GS-210	10		
39-30-0123	5569-12A2GS	12			39-30-0124	5569-12A2GS-210	12		
39-30-0143	5569-14A2GS	14			39-30-0144	5569-14A2GS-210	14		
39-30-0163	5569-16A2GS	16			39-30-0164	5569-16A2GS-210	16		
39-30-0183	5569-18A2GS	18			39-30-0184	5569-18A2GS-210	18		
39-30-0203	5569-20A2GS	20			39-30-0204	5569-20A2GS-210	20		
39-30-0223	5569-22A2GS	22	39-30-0224	5569-22A2GS-210	22				
39-30-0243	5569-24A2GS	24			39-30-0244	5569-24A2GS-210	24		
39-30-1023	5569-02A2GS2	2	15 μ" SELECT GOLD SEE NOTE 2 OPTION "GS2"	94V-2	39-30-1024	5569-02A2GS2-210	2	15 μ" SELECT GOLD SEE NOTE 2 OPTION "GS2"	94V-0
39-30-1043	5569-04A2GS2	4			39-30-1044	5569-04A2GS2-210	4		
39-30-1063	5569-06A2GS2	6			39-30-1064	5569-06A2GS2-210	6		
39-30-1083	5569-08A2GS2	8			39-30-1084	5569-08A2GS2-210	8		
39-30-1103	5569-10A2GS2	10			39-30-1104	5569-10A2GS2-210	10		
39-30-1123	5569-12A2GS2	12			39-30-1124	5569-12A2GS2-210	12		
39-30-1143	5569-14A2GS2	14			39-30-1144	5569-14A2GS2-210	14		
39-30-1163	5569-16A2GS2	16			39-30-1164	5569-16A2GS2-210	16		
39-30-1183	5569-18A2GS2	18			39-30-1184	5569-18A2GS2-210	18		
39-30-1203	5569-20A2GS2	20			39-30-1204	5569-20A2GS2-210	20		
39-30-1223	5569-22A2GS2	22	39-30-1224	5569-22A2GS2-210	22				
39-30-1243	5569-24A2GS2	24			39-30-1244	5569-24A2GS2-210	24		
39-34-4026	5569-02A2GS3	2	50 μ" SELECT GOLD SEE NOTE 2 OPTION "GS3"	94V-2	39-34-4027	5569-02A2GS3-210	2	50 μ" SELECT GOLD SEE NOTE 2 OPTION "GS3"	94V-0
39-34-4046	5569-04A2GS3	4			39-34-4047	5569-04A2GS3-210	4		
NOT TOOLED	5569-06A2GS3	6			NOT TOOLED	5569-06A2GS3-210	6		
NOT TOOLED	5569-08A2GS3	8			NOT TOOLED	5569-08A2GS3-210	8		
NOT TOOLED	5569-10A2GS3	10			NOT TOOLED	5569-10A2GS3-210	10		
NOT TOOLED	5569-12A2GS3	12			NOT TOOLED	5569-12A2GS3-210	12		
NOT TOOLED	5569-14A2GS3	14			NOT TOOLED	5569-14A2GS3-210	14		
NOT TOOLED	5569-16A2GS3	16			NOT TOOLED	5569-16A2GS3-210	16		
NOT TOOLED	5569-18A2GS3	18			NOT TOOLED	5569-18A2GS3-210	18		
NOT TOOLED	5569-20A2GS3	20			NOT TOOLED	5569-20A2GS3-210	20		
NOT TOOLED	5569-22A2GS3	22	NOT TOOLED	5569-22A2GS3-210	22				
NOT TOOLED	5569-24A2GS3	24			NOT TOOLED	5569-24A2GS3-210	24		
39-30-7025	5569-02A2S	2	TIN OVER NICKEL SEE NOTE 2 OPTION "S"	94V-2	39-30-7026	5569-02A2S-210	2	TIN OVER NICKEL SEE NOTE 2 OPTION "S"	94V-0
39-30-7045	5569-04A2S	4			39-30-7046	5569-04A2S-210	4		
39-30-7065	5569-06A2S	6			39-30-7066	5569-06A2S-210	6		
39-30-7085	5569-08A2S	8			39-30-7086	5569-08A2S-210	8		
39-30-7105	5569-10A2S	10			39-30-7106	5569-10A2S-210	10		
39-30-7125	5569-12A2S	12			39-30-7126	5569-12A2S-210	12		
39-30-7145	5569-14A2S	14			39-30-7146	5569-14A2S-210	14		
39-30-7165	5569-16A2S	16			39-30-7166	5569-16A2S-210	16		
39-30-7185	5569-18A2S	18			39-30-7186	5569-18A2S-210	18		
39-30-7205	5569-20A2S	20			39-30-7206	5569-20A2S-210	20		
39-30-7225	5569-22A2S	22	39-30-7226	5569-22A2S-210	22				
39-30-7245	5569-24A2S	24			39-30-7246	5569-24A2S-210	24		
REVISION: L3	ECR/ECN INFORMATION: EC No: UCP2010-0398 DATE: 2009/09/02		TITLE: MINI-FIT JR.® RIGHT ANGLE HEADER ASSEMBLIES WITH MOUNTING PEGS				SHEET No. - 3 -		
DOCUMENT NUMBER: SDA-5569-NA2*-*			Drawn By: JJAGUILAR		Checked By: JBELL		Approved By: FSMITH		
Filename: SPOMASTER.DOC			Revision: 1		Location: Workmanager General Docs Class.			Date: 4-15-2002	

BULK PACKAGED PER PK-5569-002										
PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	
		2			39-31-1021	5569-02A2-BL	2	TIN OVER COPPER SEE NOTE 2 OPTION "BLANK"	BLACK 94V-2	
		4			39-31-1041	5569-04A2-BL	4			
		6			39-31-1061	5569-06A2-BL	6			
		8			39-31-1081	5569-08A2-BL	8			
		10			39-31-1101	5569-10A2-BL	10			
		12			39-31-1121	5569-12A2-BL	12			
		14			39-31-1141	5569-14A2-BL	14			
		16			39-31-1161	5569-16A2-BL	16			
		18			39-31-1181	5569-18A2-BL	18			
		20			39-31-1201	5569-20A2-BL	20			
		22	39-31-1221	5569-22A2-BL	22					
		24	39-31-1241	5569-24A2-BL	24					
		2			39-31-6029	5569-02A2G-BL	2	30 μ" GOLD SEE NOTE 2 OPTION "G"	BLACK 94V-2	
		4			39-31-6049	5569-04A2G-BL	4			
		6			39-31-6069	5569-06A2G-BL	6			
		8			39-31-6089	5569-08A2G-BL	8			
		10			39-31-6109	5569-10A2G-BL	10			
		12			39-31-6129	5569-12A2G-BL	12			
		14			39-31-6149	5569-14A2G-BL	14			
		16			39-31-6169	5569-16A2G-BL	16			
		18			39-31-6189	5569-18A2G-BL	18			
		20			39-31-6209	5569-20A2G-BL	20			
		22	39-31-6229	5569-22A2G-BL	22					
		24	39-31-6249	5569-24A2G-BL	24					
		2								
		4								
		6								
		8								
		10								
		12								
		14								
		16								
		18								
		20								
		22								
		24								
39-34-9021	5569-02A2S-400	2	TIN OVER NICKEL SEE NOTE 2 OPTION "S"	BLACK 94V-0						
39-34-9041	5569-04A2S-400	4								
39-34-9061	5569-06A2S-400	6								
39-34-9081	5569-08A2S-400	8								
39-34-9101	5569-10A2S-400	10								
39-34-9121	5569-12A2S-400	12								
39-34-9141	5569-14A2S-400	14								
39-34-9161	5569-16A2S-400	16								
39-34-9181	5569-18A2S-400	18								
39-34-9201	5569-20A2S-400	20								
39-34-9221	5569-22A2S-400	22								
39-34-9241	5569-24A2S-400	24								
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SDA-5569-NA2*-*			JJAGUILAR		JBELL		FSMITH			
Filename: SPOMASTER.DOC			Revision: 1		Location: Workmanager General Docs Class.				Date: 4-15-2002	

TRAY PACKAGED PER PK-5569-003										
PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	
26-01-3127	5569-02A2GS2-210-T	2	15 μ" SELECT GOLD SEE NOTE 2 OPTION "GS2"	94V-0			2			
26-01-3128	5569-04A2GS2-210-T	4					4			
NOT TOOLED	5569-06A2GS2-210-T	6					6			
NOT TOOLED	5569-08A2GS2-210-T	8					8			
NOT TOOLED	5569-10A2GS2-210-T	10					10			
NOT TOOLED	5569-12A2GS2-210-T	12					12			
NOT TOOLED	5569-14A2GS2-210-T	14					14			
NOT TOOLED	5569-16A2GS2-210-T	16					16			
NOT TOOLED	5569-18A2GS2-210-T	18					18			
NOT TOOLED	5569-20A2GS2-210-T	20					20			
NOT TOOLED	5569-22A2GS2-210-T	22					22			
NOT TOOLED	5569-24A2GS2-210-T	24					24			
26-01-3141	5569-02A2GS3-T	2	50 μ" SELECT GOLD SEE NOTE 2 OPTION "GS3"	94V-2			2			
26-01-3142	5569-04A2GS3-T	4					4			
26-01-3143	5569-06A2GS3-T	6					6			
26-01-3144	5569-08A2GS3-T	8					8			
NOT TOOLED	5569-10A2GS3-T	10					10			
NOT TOOLED	5569-12A2GS3-T	12					12			
NOT TOOLED	5569-14A2GS3-T	14					14			
26-01-3148	5569-16A2GS3-T	16					16			
NOT TOOLED	5569-18A2GS3-T	18					18			
NOT TOOLED	5569-20A2GS3-T	20					20			
NOT TOOLED	5569-22A2GS3-T	22					22			
NOT TOOLED	5569-24A2GS3-T	24					24			
		2					2			
		4					4			
		6					6			
		8					8			
		10					10			
		12					12			
		14					14			
		16					16			
		18					18			
		20					20			
		22					22			
		24					24			
		2					2			
		4					4			
		6					6			
		8					8			
		10					10			
		12					12			
		14					14			
		16					16			
		18					18			
		20					20			
		22					22			
		24					24			
REVISION:	ECR/ECN INFORMATION:		TITLE:						SHEET No.	
L3	EC No: UCP2010-0398		MINI-FIT JR.® RIGHT ANGLE HEADER ASSEMBLIES WITH MOUNTING PEGS						- 6 -	
	DATE: 2009/09/02									
DOCUMENT NUMBER:			Drawn By:		Checked By:		Approved By:			
SDA-5569-NA2*-*			JJAGUILAR		JBELL		FSMITH			
Filename: SPOMASTER.DOC Revision: 1 Location: Workmanager General Docs Class. Date: 4-15-2002										

TRAY PACKAGED PER PK-5569-003										
PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	PART NUMBER	ENG. NUMBER	CKT. SIZE	PLATING (NOTE 2)	HSG MAT'L	
50-36-1757	5569-02A2S-T	2	TIN OVER NICKEL SEE NOTE 2 OPTION "S"	94V-2	50-36-1758	5569-02A2S-210-T	2	TIN OVER NICKEL SEE NOTE 2 OPTION "S"	94V-0	
50-36-1767	5569-04A2S-T	4			50-36-1768	5569-04A2S-210-T	4			
50-36-1777	5569-06A2S-T	6			50-36-1778	5569-06A2S-210-T	6			
50-36-1787	5569-08A2S-T	8			50-36-1788	5569-08A2S-210-T	8			
50-36-1797	5569-10A2S-T	10			50-36-1798	5569-10A2S-210-T	10			
50-36-1807	5569-12A2S-T	12			50-36-1808	5569-12A2S-210-T	12			
50-36-1817	5569-14A2S-T	14			50-36-1818	5569-14A2S-210-T	14			
50-36-1827	5569-16A2S-T	16			50-36-1828	5569-16A2S-210-T	16			
50-36-1837	5569-18A2S-T	18			50-36-1838	5569-18A2S-210-T	18			
50-36-1847	5569-20A2S-T	20			50-36-1848	5569-20A2S-210-T	20			
50-36-1857	5569-22A2S-T	22			50-36-1858	5569-22A2S-210-T	22			
50-36-1867	5569-24A2S-T	24			50-36-1868	5569-24A2S-210-T	24			
50-36-1755	5569-02A2GS-T	2	30 μ" SELECT GOLD SEE NOTE 2 OPTION "GS"	94V-2	50-36-1756	5569-02A2GS-210-T	2	30 μ" SELECT GOLD SEE NOTE 2 OPTION "GS"	94V-0	
50-36-1765	5569-04A2GS-T	4			50-36-1766	5569-04A2GS-210-T	4			
50-36-1775	5569-06A2GS-T	6			50-36-1776	5569-06A2GS-210-T	6			
50-36-1785	5569-08A2GS-T	8			50-36-1786	5569-08A2GS-210-T	8			
50-36-1795	5569-10A2GS-T	10			50-36-1796	5569-10A2GS-210-T	10			
50-36-1805	5569-12A2GS-T	12			50-36-1806	5569-12A2GS-210-T	12			
50-36-1815	5569-14A2GS-T	14			50-36-1816	5569-14A2GS-210-T	14			
50-36-1825	5569-16A2GS-T	16			50-36-1826	5569-16A2GS-210-T	16			
50-36-1835	5569-18A2GS-T	18			50-36-1836	5569-18A2GS-210-T	18			
50-36-1845	5569-20A2GS-T	20			50-36-1846	5569-20A2GS-210-T	20			
50-36-1855	5569-22A2GS-T	22			50-36-1856	5569-22A2GS-210-T	22			
50-36-1865	5569-24A2GS-T	24			50-36-1866	5569-24A2GS-210-T	24			
		2	50 μ" SELECT GOLD SEE NOTE 2 OPTION "GS3"	94V-0	26-01-3101	5569-02A2GS-BL-T	2	30 μ" SELECT GOLD SEE NOTE 2 OPTION "GS"	BLACK 94V-2	
		4			NOT TOOLED	5569-04A2GS-BL-T	4			
		6			NOT TOOLED	5569-06A2GS-BL-T	6			
		8			NOT TOOLED	5569-08A2GS-BL-T	8			
26-01-3094	5569-10AGS3-210-T	10			NOT TOOLED	5569-10A2GS-BL-T	10			
		12			NOT TOOLED	5569-12A2GS-BL-T	12			
		14			NOT TOOLED	5569-14A2GS-BL-T	14			
		16			26-01-3108	5569-16A2GS-BL-T	16			
		18			NOT TOOLED	5569-18A2GS-BL-T	18			
		20			NOT TOOLED	5569-20A2GS-BL-T	20			
		22			NOT TOOLED	5569-22A2GS-BL-T	22			
		24			NOT TOOLED	5569-24A2GS-BL-T	24			
26-01-3114	5569-02A2GS2-T	2	15 μ" SELECT GOLD SEE NOTE 2 OPTION "GS2"	94V-2			2			
26-01-3115	5569-04A2GS2-T	4					4			
26-01-3116	5569-06A2GS2-T	6					6			
NOT TOOLED	5569-08A2GS2-T	8					8			
NOT TOOLED	5569-10A2GS2-T	10					10			
26-01-3119	5569-12A2GS2-T	12					12			
NOT TOOLED	5569-14A2GS2-T	14					14			
NOT TOOLED	5569-16A2GS2-T	16					16			
NOT TOOLED	5569-18A2GS2-T	18					18			
NOT TOOLED	5569-20A2GS2-T	20					20			
NOT TOOLED	5569-22A2GS2-T	22					22			
26-01-3126	5569-24A2GS2-T	24					24			
REVISION:	ECR/ECN INFORMATION:		TITLE:						SHEET No.	
L3	EC No: UCP2010-0398		MINI-FIT JR.® RIGHT ANGLE HEADER ASSEMBLIES WITH MOUNTING PEGS						- 7 -	
DATE: 2009/09/02										
DOCUMENT NUMBER:			Drawn By:		Checked By:		Approved By:			
SDA-5569-NA2*-*			JJAGUILAR		JBELL		FSMITH			
Filename: SPOMASTER.DOC			Revision: 1		Location: Workmanager General Docs Class.				Date: 4-15-2002	