

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022235031](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Solid Header, Vertical, 3 Circuits, with Kinked PC Tails

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

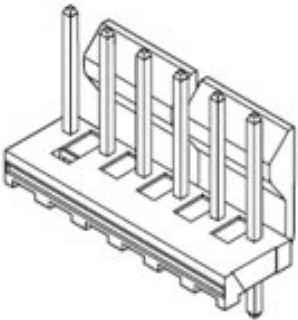
Product Family PCB Headers
Series [43009](#)
Application Wire-to-Board
Product Name KK®

Physical

Breakaway No
Circuits (Loaded) 3
Circuits (maximum) 3
Color - Resin Natural
Durability (mating cycles max) 25
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Metal Brass
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Polyester
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.140 In
PC Tail Length (mm) 3.56 mm
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Bag
Pitch - Mating Interface (in) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm
Plating min: Mating (µin) 200
Plating min: Mating (µm) 5
Plating min: Termination (µin) 200
Plating min: Termination (µm) 5
Polarized to Mating Part No
Polarized to PCB No
Shrouded No
Stackable No
Temperature Range - Operating 0°C to +75°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 4A
Voltage - Maximum 250V



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status**

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
[43009Series](#)

Mates With
[2695](#) , [6471](#) , [7880](#) , [4455](#) , [7720](#) , [40555](#)

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	235

Material Info

Old Part Number	A-43009-0012
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Reference - Drawing Numbers

Sales Drawing	SDA-43009
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This document was generated on 03/19/2010

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A-43009-0002/0010			A-43009-001/0019			A-43009-0020/0028			A-43009-0029/0037		
OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-NE	OPTIONS	Header No.	42009-NR
	Pin No.	2766-1(102)		Pin No.	2766-1(102)		Pin No.	2766-1(102)		Pin No.	2766-1(102)
	Dim. L	.560/(14.22)		Dim. L	.560/(14.22)		Dim. L	.560/(14.22)		Dim. L	.560/(14.22)
	Dim. X	.295/(7.49)		Dim. X	.295/(7.49)		Dim. X	.295/(7.49)		Dim. X	.295/(7.49)
	Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)
	No. of Ckts	2-10		No. of Ckts	2-10		No. of Ckts	2-10		No. of Ckts	2-10
	Void Ckts	None		Void Ckts	None		Void Ckts	None		Void Ckts	None
	Kink Pins	No		Kink Pins	Yes		Kink Pins	Yes		Kink Pins	Yes
	Color	-		Color	-		Color	Green		Color	Red
	Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001
Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.
2	22-23-5024	A-43009-0002	2	22-23-5021	A-43009-0011	2	22-23-5022	A-43009-0020	2	22-23-5023	A-43009-0029
3	22-23-5034	A-43009-0003	3	22-23-5031	A-43009-0012	3	22-23-5032	A-43009-0021	3	22-23-5033	A-43009-0030
4	22-23-5044	A-43009-0004	4	22-23-5041	A-43009-0013	4	22-23-5042	A-43009-0022	4	22-23-5043	A-43009-0031
5	22-23-5054	A-43009-0005	5	22-23-5051	A-43009-0014	5	22-23-5052	A-43009-0023	5	22-23-5053	A-43009-0032
6	22-23-5064	A-43009-0006	6	22-23-5061	A-43009-0015	6	22-23-5062	A-43009-0024	6	22-23-5063	A-43009-0033
7	22-23-5074	A-43009-0007	7	22-23-5071	A-43009-0016	7	22-23-5072	A-43009-0025	7	22-23-5073	A-43009-0034
8	22-23-5084	A-43009-0008	8	22-23-5081	A-43009-0017	8	22-23-5082	A-43009-0026	8	22-23-5083	A-43009-0035
9	22-23-5094	A-43009-0009	9	22-23-5091	A-43009-0018	9	22-23-5092	A-43009-0027	9	22-23-5093	A-43009-0036
10	22-23-5104	A-43009-0010	10	22-23-5101	A-43009-0019	10	22-23-5102	A-43009-0028	10	22-23-5103	A-43009-0037
11			11			11			11		
12			12			12			12		
13			13			13			13		
14			14			14			14		
15			15			15			15		

REV:		TITLE:		SHEET No.
C1	SEE SHEET 1 2/17/2006	HEADER ASSEMBLY FRICTION LOCK .100 CENTERS		- 2 -
DOCUMENT NUMBER: SDA-43009		CREATED / REVISED BY: DRATNOL	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS

TEMPLATE FILENAME: PRODUCT_SPEC\SIZE_A\{V.1}.DOC

A-43009-0038/0046			A-43009-047/0055			A-43009-0056/0064			A-43009-0066/0073		
OPTIONS	Header No.	42009-ND	OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N
	Pin No.	2766-1(102)		Pin No.	2766-1(501)		Pin No.	2766-1(509)		Pin No.	2766-1(102)
	Dim. L	.560/(14.22)		Dim. L	.560/(14.22)		Dim. L	.560/(14.22)		Dim. L	.560/(14.22)
	Dim. X	.295/(7.49)		Dim. X	.295/(7.49)		Dim. X	.295/(7.49)		Dim. X	.295/(7.49)
	Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)
	No. of Ckts	2-10		No. of Ckts	2-10		No. of Ckts	2-10		No. of Ckts	3-10
	Void Ckts	None		Void Ckts	None		Void Ckts	None		Void Ckts	1
	Kink Pins	Yes		Kink Pins	Yes		Kink Pins	Yes		Kink Pins	Yes
	Color	Yellow		Color	-		Color	-		Color	-
	Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001
Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.
2	22-23-5025	A-43009-0038	2		A-43009-0047	2	43009-0056	A-43009-0056	2		
3	22-23-5035	A-43009-0039	3		A-43009-0048	3	43009-0057	A-43009-0057	3	43009-0066	A-43009-0066
4	22-23-5045	A-43009-0040	4		A-43009-0049	4	43009-0058	A-43009-0058	4	43009-0067	A-43009-0067
5	22-23-5055	A-43009-0041	5		A-43009-0050	5	43009-0059	A-43009-0059	5	43009-0068	A-43009-0068
6	22-23-5065	A-43009-0042	6		A-43009-0051	6	43009-0060	A-43009-0060	6	43009-0069	A-43009-0069
7	22-23-5075	A-43009-0043	7		A-43009-0052	7	43009-0061	A-43009-0061	7	43009-0070	A-43009-0070
8	22-23-5085	A-43009-0044	8		A-43009-0053	8	43009-0062	A-43009-0062	8	43009-0071	A-43009-0071
9	22-23-5095	A-43009-0045	9		A-43009-0054	9	43009-0063	A-43009-0063	9	43009-0072	A-43009-0072
10	22-23-5105	A-43009-0046	10		A-43009-0055	10	43009-0064	A-43009-0064	10	43009-0073	A-43009-0073
11			11			11			11		
12			12			12			12		
13			13			13			13		
14			14			14			14		
15			15			15			15		
REV: C1 SEE SHEET 1 2/17/2006 TITLE: HEADER ASSEMBLY FRICTION LOCK .100 CENTERS SHEET No. - 3 -											
DOCUMENT NUMBER: SDA-43009			CREATED / REVISED BY: DRATNOL			CHECKED BY: SAMIEC			APPROVED BY: MARGULIS		
TEMPLATE FILENAME: PRODUCT_SPEC\SIZE_A\{V.1}.DOC											

A-43009-0074/0081			A-43009-082/0089			A-43009-0090/0097			A-43009-0098/0106		
OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N	OPTIONS	Header No.	42009-N
	Pin No.	2766-1(102)		Pin No.	2766-1(102)		Pin No.	2766-1(102)		Pin No.	2766-1(154)
	Dim. L	.560/(14.22)		Dim. L	.560/(14.22)		Dim. L	.560/(14.22)		Dim. L	.560/(14.22)
	Dim. X	.295/(7.49)		Dim. X	.295/(7.49)		Dim. X	.295/(7.49)		Dim. X	.295/(7.49)
	Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)		Dim. Z	.140/(3.56)
	No. of Ckts	3-10		No. of Ckts	3-10		No. of Ckts	3-10		No. of Ckts	2-10
	Void Ckts	2		Void Ckts	3		Void Ckts	3		Void Ckts	NONE
	Kink Pins	Yes		Kink Pins	Yes		Kink Pins	No		Kink Pins	NO
	Color	-		Color	-		Color	-		Color	-
	Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001
Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.
2			2			2			2	50-34-1986	A-43009-0098
3	43009-0074	A-43009-0074	3	43009-0082	A-43009-0082	3	43009-0090	A-43009-0090	3	50-34-1987	A-43009-0099
4	43009-0075	A-43009-0075	4	43009-0083	A-43009-0083	4	43009-0091	A-43009-0091	4	50-34-1988	A-43009-0100
5	43009-0076	A-43009-0076	5	43009-0084	A-43009-0084	5	43009-0092	A-43009-0092	5	50-34-1989	A-43009-0101
6	43009-0077	A-43009-0077	6	43009-0085	A-43009-0085	6	43009-0093	A-43009-0093	6	50-34-1990	A-43009-0102
7	43009-0078	A-43009-0078	7	43009-0086	A-43009-0086	7	43009-0094	A-43009-0094	7	50-34-1991	A-43009-0103
8	43009-0079	A-43009-0079	8	43009-0087	A-43009-0087	8	43009-0095	A-43009-0095	8	50-34-1992	A-43009-0104
9	43009-0080	A-43009-0080	9	43009-0088	A-43009-0088	9	43009-0096	A-43009-0096	9	50-34-1993	A-43009-0105
10	43009-0081	A-43009-0081	10	43009-0089	A-43009-0089	10	43009-0097	A-43009-0097	10	50-34-1994	A-43009-0106
11			11			11			11		
12			12			12			12		
13			13			13			13		
14			14			14			14		
15			15			15			15		

REV:		TITLE:	HEADER ASSEMBLY FRICTION LOCK		SHEET No.
C1	SEE SHEET 1 2/17/2006		.100 CENTERS		- 4 -
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:	
SDA-43009		DRATNOL	SAMIEC	MARGULIS	

TEMPLATE FILENAME: PRODUCT_SPEC\SIZE_A(V.1).DOC

A-43009-0107/0115											
OPTIONS	Header No.	42009-N	OPTIONS	Header No.		OPTIONS	Header No.		OPTIONS	Header No.	
	Pin No.	2766-1(154)		Pin No.			Pin No.			Pin No.	
	Dim. L	.560/(14.22)		Dim. L			Dim. L			Dim. L	
	Dim. X	.295/(7.49)		Dim. X			Dim. X			Dim. X	
	Dim. Z	.140/(3.56)		Dim. Z			Dim. Z			Dim. Z	
	No. of Ckts	2-10		No. of Ckts			No. of Ckts			No. of Ckts	
	Void Ckts	NONE		Void Ckts			Void Ckts			Void Ckts	
	Kink Pins	Yes		Kink Pins			Kink Pins			Kink Pins	
	Color	-		Color			Color			Color	
	Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001		Packaging	PK-43009-001
Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.	Ckt	EDP No.	Engineering No.
2	50-34-1995	A-43009-0107	2			2			2		
3	50-34-1996	A-43009-0108	3			3			3		
4	50-34-1997	A-43009-0109	4			4			4		
5	50-34-1998	A-43009-0110	5			5			5		
6	50-34-1999	A-43009-0111	6			6			6		
7	50-30-4401	A-43009-0112	7			7			7		
8	50-30-4402	A-43009-0113	8			8			8		
9	50-30-4403	A-43009-0114	9			9			9		
10	50-30-4404	A-43009-0115	10			10			10		
11			11			11			11		
12			12			12			12		
13			13			13			13		
14			14			14			14		
15			15			15			15		
REV:				TITLE:		HEADER ASSEMBLY FRICTION LOCK				SHEET No.	
C1		SEE SHEET 1 2/17/2006				.100 CENTERS				- 5 -	
DOCUMENT NUMBER:				CREATED / REVISED BY:		CHECKED BY:		APPROVED BY:			
SDA-43009				DRATNOL		SAMIEC		MARGULIS			
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC											