

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0022235024

Status:

Active

Description:

2.54mm (.100") Pitch KK® Solid Header, Vertical, 2 Circuits, without 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)	2
Circuits (maximum)	2
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	None
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

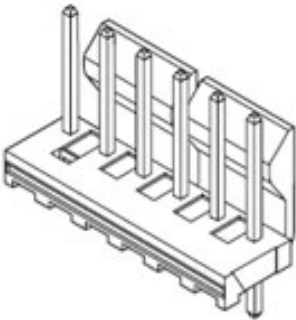


image - Reference only

Series

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-43009-0002
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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 .100 CENTERS	SHEET No.
C1	SEE SHEET 1 2/17/2006			- 4 -
DOCUMENT NUMBER: SDA-43009		CREATED / REVISED BY: DRATNOL	CHECKED BY: SAMIEC	APPROVED BY: MARGULIS

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

A-43009-0107/0115											
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											