

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0022233034

Status:

Active

Description:

2.54mm (.100") Pitch KK® Solid Header, Vertical, with Staggered Tail, 3 Circuits

Documents:

3D Model

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	42009
Application	Wire-to-Board
Product Name	KK®

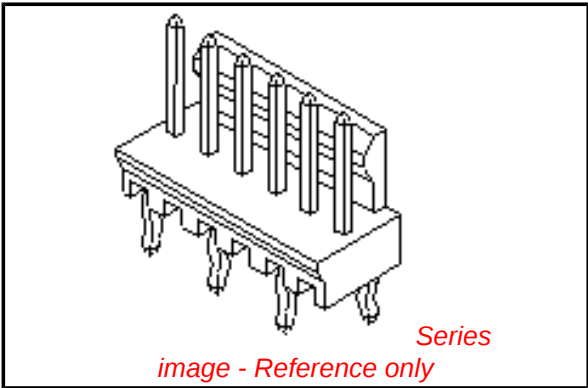
Physical

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 - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.130 In
PC Tail Length (mm)	3.30 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	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Temperature Range - Operating	0°C to +75°C
Termination Interface: Style	Through Hole

Electrical

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

Solder Process Data



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

42009Series

Mates With

2695 , 6471 , 7880 , 4455 , 7720 , 40555

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-42009-03
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Reference - Drawing Numbers

Sales Drawing	SDA-42009-*
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This document was generated on 03/19/2010

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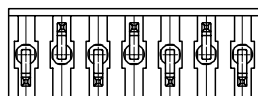
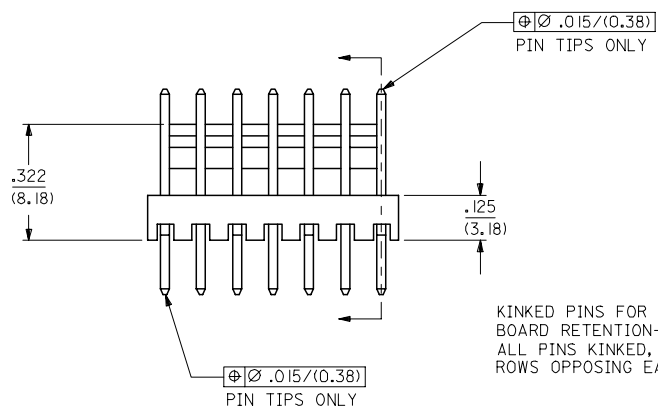
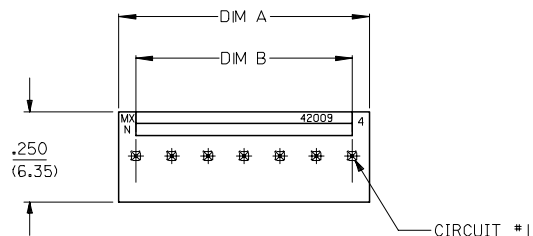
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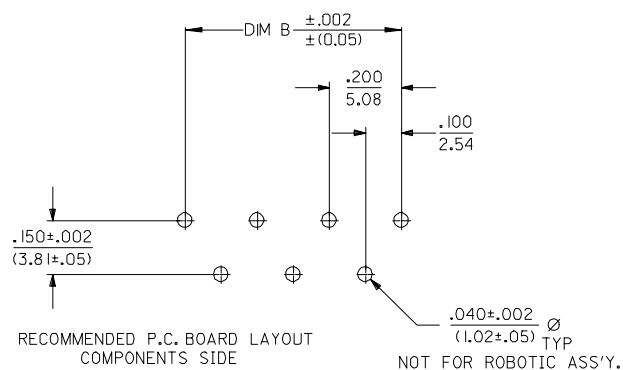
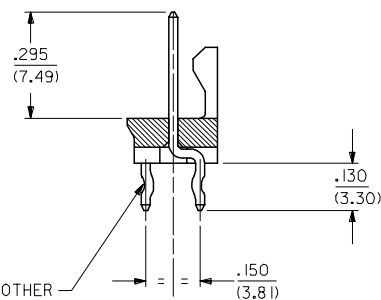
C

B

A



KINKED PINS FOR P.C.
BOARD RETENTION-
ALL PINS KINKED, TWO
ROWS OPPOSING EACH OTHER



NOTES

1. MATERIAL: INSULATOR - POLYESTER, GLASS FILLED
PIN - BRASS
2. FINISH: TIN: .000200/(0.00508) MIN.,
OVERALL COPPER UNDERPLATE: .000100/(0.00254) MIN.
3. PRODUCT SPECIFICATION: PS-10-07
4. BULK PACK PER PK-43009-001
5. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF
COSMETIC SPECIFICATION PS-45499-002.

ENG. NO. DESIGNATION:

A-42009- N

CKT. SIZE

VOID PIN DESIGNATION

A= #1 PIN

B= #2 PIN

C= #3 PIN

ECT.

MOLDED COLOR:

BLANK = NATURAL

A = BLUE

E = GREEN

R = RED

H = BLACK

10	.995/(25.27)	.900/(22.86)
9	.895/(22.73)	.800/(20.32)
8	.795/(20.19)	.700/(17.78)
7	.695/(17.65)	.600/(15.24)
6	.595/(15.11)	.500/(12.70)
5	.495/(12.57)	.400/(10.16)
4	.395/(10.03)	.300/(7.62)
3	.295/(7.49)	.200/(5.08)
2	.195/(4.95)	.100/(2.54)
CKT SIZE	DIM A	DIM B

3	I1
2	H1
1	J1
SHT.	REV.

ADD TOL. BLOCK EC NO: UCP2007-1476 DRAWN BY: DER CHKD: ADERR APPR: FSW TH 2006/12/19 2006/12/19 2006/12/20				DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.36 ± --- ANGULAR ± 1/2°		DIMENSION STYLE IN/MM DRAWN BY DATE EDGLEY 1986/11/29 CHECKED BY DATE EDGLEY 1986/11/29 APPROVED BY DATE EDGLEY 1986/11/29		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	WAVER, FRICTION LOCK ASSEMBLY	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-42009-*	MOLEX INCORPORATED			SHEET NO. 1 OF 3	
								SIZE C						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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