

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022438090](#)
Status: **Active**
Description: 2.50mm (.098") Pitch SPOX™ Header, Shrouded, In-line Footprint, 9 Circuits, White

Documents:
[3D Model](#) [Product Specification PS-42219-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [42267](#)
Application Wire-to-Board
Product Name SPOX™

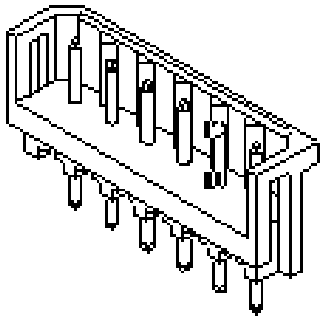
Physical

Breakaway No
Circuits (Loaded) 9
Circuits (maximum) 9
Color - Resin Natural
Durability (mating cycles max) 25
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part None
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) 0.098 In
Pitch - Mating Interface (mm) 2.50 mm
Plating min: Mating (µin) 101.6
Plating min: Mating (µm) 2.54
Plating min: Termination (µin) 101.6
Plating min: Termination (µm) 2.54
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 3A
Voltage - Maximum 250V

Solder Process Data



*Series
image - Reference only*

EU RoHS

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

China RoHS



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
[42267Series](#)

Mates With
[42219](#)

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-42267-09A
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Reference - Drawing Numbers

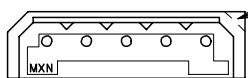
Application Specification	AS-42249-001
Product Specification	PS-42219-0001
Sales Drawing	SDA-42267-*

This document was generated on 06/08/2010

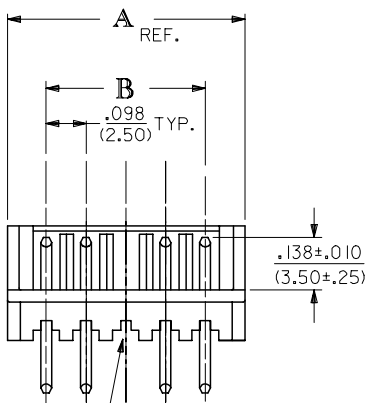
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NOTES:

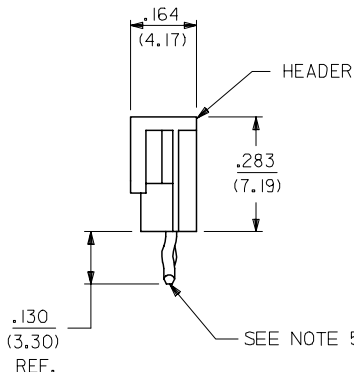
1. MATERIAL : HEADER: POLYESTER, GLASS FILLED.
PIN : BRASS
2. FINISH:
100 MICROINCHES (2.54 MICROMETERS) MIN. TIN OVER
50 MICROINCHES (1.27 MICROMETERS) MIN. NICKEL UNDERPLATE.
3. PARTS CONFORM TO PRODUCT SPECIFICATION PS-42219-0001.
4. PACKAGING: SEE LEGEND.
5. KINK DIRECTION:
2 THROUGH 7 CKTS: ADJACENT PINS KINKED IN
OPPOSING DIRECTIONS.
8 THROUGH 15 CKTS: TWO END PINS ON EACH END
KINKED IN THE SAME DIRECTION.
CENTER PINS WITHOUT KINKS.
6. PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC
SPEC PS-45499-002.



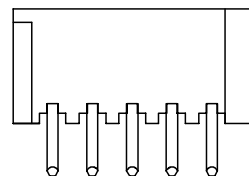
CIRCUIT NO. 1
IDENTIFIER



VOIDED CKT
SEE CHART FOR LOCATION



SEE NOTE 5.



NO. OF CKTS.	KINK LOCATION	DIM. A	DIM. B
2	1,2,	.292/(7.42)	.098/(2.50)
3	1,2,3	.391/(9.92)	.197/(5.00)
4	1,2,3,4	.489/(12.42)	.295/(7.50)
5	1,2,3,4,5	.587/(14.92)	.394/(10.00)
6	1,2,3,4,5,6	.685/(17.40)	.492/(12.50)
7	1,2,3,4,5,6,7	.783/(19.90)	.591/(15.00)
8	1,2,7,8	.882/(22.40)	.689/(17.50)
9	1,2,8,9	.980/(24.90)	.787/(20.00)
10	1,2,9,10	1.079/(27.40)	.886/(22.50)
11	1,2,10,11	1.177/(29.90)	.984/(25.00)
12	1,2,11,12	1.276/(32.40)	1.083/(27.50)
13	1,2,12,13	1.374/(34.90)	1.181/(30.00)
14	1,2,13,14	1.472/(37.40)	1.280/(32.50)
15	1,2,14,15	1.571/(39.90)	1.378/(35.00)

A-42267-N*-*-*

NO OF CKTS
HOUSING NO.
VOID LOCATION
PACKAGING METHOD
BLANK=STD BULK PACK
A=PER PK-40873-0069

.098±.002
(2.50±.05) TYP.

CIRCUIT 1

.037±.002
(0.94±.05) DIA.

PCB HOLE LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: .062/(1.57)

ADD NOTE 6 EC NO: UCP2007-2798 DRWN:MKIPPER 2007/05/02 CHKD:AEHAG 2007/05/04 APPR:FSMITH 2007/05/23 Q2			DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ⌒=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY GUZIK	DATE 01/17/89	TITLE 2.5 MM HEADER ASSEMBLY				
					4 PLACES ± ---	± ---	CHECKED BY EDGLEY	DATE 01/17/89					
					3 PLACES ± ---	± .010	APPROVED BY LENZ	DATE 01/17/89					
					2 PLACES ± 0.25	± .014	molex MOLEX INCORPORATED						
					1 PLACE ± 0.36	± ---							
			ANGULAR ±1/2°			MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-42267-*			SHEET NO. 1 OF 4		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOTBE USED WITHOUT WRITTEN PERMISSION							

A-42267-NA-*												A-42267-NB-*				A-42267-NC-*			
OPTIONS	HOUSING	42249-N		OPTIONS	HOUSING	42249-NA		OPTIONS	HOUSING	42249-NB									
	COLOR	NATURAL			COLOR	BLUE			COLOR	BROWN									
	PIN NO	45613-0006			PIN NO	45613-0006			PIN NO	45613-0006									
	PLATING	154			PLATING	154			PLATING	154									
Ckt	Material No	Engineering No	Void Ckts	Ckt	Material No	Engineering No	Void Ckts	Ckt	Material No	Engineering No	Void Ckts								
2	22-43-8020	A-42267-2A		2	22-43-8023	A-42267-2B		2	50-34-8534	A-42267-2C									
3	22-43-8030	A-42267-3A		3	22-43-8033	A-42267-3B		3		A-42267-3C									
4	22-43-8040	A-42267-4A		4		A-42267-4B		4		A-42267-4C									
5	22-43-8050	A-42267-5A		5		A-42267-5B		5		A-42267-5C									
6	22-43-8060	A-42267-6A		6	22-43-8063	A-42267-6B		6		A-42267-6C									
7	22-43-8070	A-42267-7A		7		A-42267-7B		7		A-42267-7C									
8	22-43-8080	A-42267-8A		8		A-42267-8B		8		A-42267-8C									
9	22-43-8090	A-42267-9A		9		A-42267-9B		9		A-42267-9C									
10	22-43-8100	A-42267-10A		10	22-43-8103	A-42267-10B		10		A-42267-10C									
11	22-43-8110	A-42267-11A		11		A-42267-11B		11		A-42267-11C									
12	22-43-8120	A-42267-12A		12		A-42267-12B		12		A-42267-12C									
13	22-43-8130	A-42267-13A		13		A-42267-13B		13		A-42267-13C									
14	22-43-8140	A-42267-14A		14		A-42267-14B		14		A-42267-14C									
15	22-43-8150	A-42267-15A		15		A-42267-15B		15		A-42267-15C									
		A-42267-10A-6	6																
		A-42267-15A-3	3																
		A-42267-7A-2	2																
	22-44-8030	A-42267-3A-2	2																
REV:	ECR/ECN INFORMATION:			TITLE:								SHEET No.							
Q1	EC NO: UCP2007-1449			2.5 MM HEADER ASSEMBLY								- 2 -							
	DATE: 12/19/2006																		
DOCUMENT NUMBER:				CREATED / REVISED BY:			CHECKED BY:			APPROVED BY:									
SDA-42267-*				ELHAG			LSCHMIDT			FSMITH									
TEMPLATE FILENAME: PRODUCT_SPEC[SIZE_A](V.1).DOC																			

[illegible]

A-42249-NG-*				A-42249-NH-*				A-42249-NA-(154)			
OPTIONS	HOUSING	42249-NE		OPTIONS	HOUSING	42249-NG		OPTIONS	HOUSING	42249-N	
	COLOR	GREEN			COLOR	GREY			COLOR	NATURAL	
	PIN NO	45613-0006			PIN NO	45613-0006			PIN NO	45613-0006	
	PLATING	154			PLATING	154			PLATING	154	
Ckt	Material No	Engineering No	Void Ckts	Ckt	Material No	Engineering No	Void Ckts	Ckt	Material No	Engineering No	Void Ckts
2	22-43-8026	A-42267-2G		2	22-43-8022	A-42267-2H		2	50-34-9252	A-42267-02A-(154)	
3	22-43-8036	A-42267-3G		3	22-43-8032	A-42267-3H		3	50-34-9253	A-42267-03A-(154)	
4	22-43-8046	A-42267-4G		4		A-42267-4H		4	50-34-9254	A-42267-04A-(154)	
5	22-43-8056	A-42267-5G		5		A-42267-5H		5	50-34-9255	A-42267-05A-(154)	
6	22-43-8066	A-42267-6G		6	22-43-8062	A-42267-6H		6	50-34-9256	A-42267-06A-(154)	
7	22-43-8076	A-42267-7G		7		A-42267-7H		7	50-34-9257	A-42267-07A-(154)	
8	22-43-8086	A-42267-8G		8		A-42267-8H		8	50-34-9258	A-42267-08A-(154)	
9	22-43-8096	A-42267-9G		9		A-42267-9H		9	50-34-9259	A-42267-09A-(154)	
10	22-43-8106	A-42267-10G		10		A-42267-10H		10	50-34-9260	A-42267-10A-(154)	
11	22-43-8116	A-42267-11G		11		A-42267-11H		11	50-34-9261	A-42267-11A-(154)	
12	22-43-8126	A-42267-12G		12		A-42267-12H		12	50-34-9262	A-42267-12A-(154)	
13	22-43-8136	A-42267-13G		13		A-42267-13H		13	50-34-9263	A-42267-13A-(154)	
14	22-43-8146	A-42267-14G		14		A-42267-14H		14	50-34-9264	A-42267-14A-(154)	
15	22-43-8156	A-42267-15G		15		A-42267-15H		15	50-34-9265	A-42267-15A-(154)	
	22-448076	A-42267-07G-3	3								
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