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Part Number: [0022438121](#)
Status: **Active**
Description: 2.50mm (.098") Pitch SPOX™ Header, Shrouded, In-line Footprint, 12 Circuits, Red

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) 12
 Circuits (maximum) 12
 Durability (mating cycles max) 25
 Flammability 94V-0
 Glow-Wire Compliant No
 Lock to Mating Part None
 Material - Plating Mating Tin
 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
 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

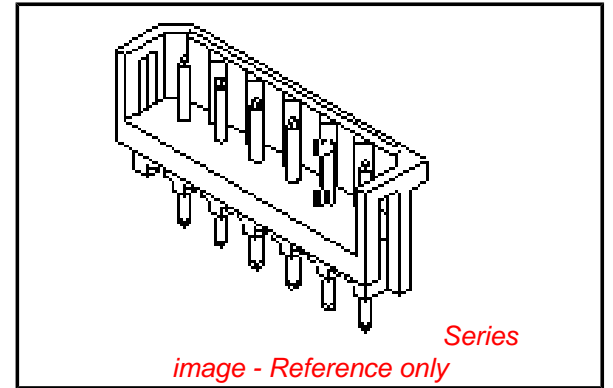
Solder Process Data

Lead-free Process Capability Wave Capable (TH only)
 Process Temperature max. C 230

Material Info

Reference - Drawing Numbers

Application Specification AS-42249-001



EU RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

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](#)

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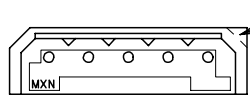
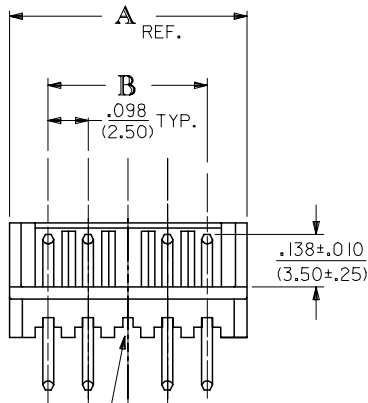
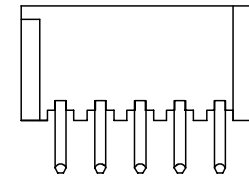
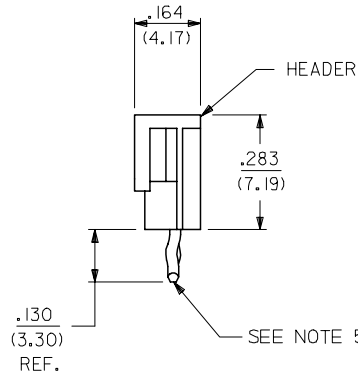
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NOTES:

- MATERIAL : HEADER: POLYESTER, GLASS FILLED,
PIN : BRASS
- FINISH:
100 MICROINCHES (2.54 MICROMETERS) MIN. TIN OVER
50 MICROINCHES (1.27 MICROMETERS) MIN. NICKEL UNDERPLATE.
- PARTS CONFORM TO PRODUCT SPECIFICATION PS-42219-0001.
- PACKAGING: SEE LEGEND.
- 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.
- PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC
SPEC PS-45499-002.

CIRCUIT NO. 1
IDENTIFIERVOIDED CKT
SEE CHART FOR LOCATION.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)

A-42267-N*-*-*

↑↑↑ NO OF CKTS
↑↑↑ VOID LOCATION
↑↑↑ HOUSING NO. ↑↑↑ PACKAGING METHOD

BLANK=STD BULK PACK
A=PER PK-40873-0069

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)

D

C

B

A

D

C

B

A

ADD NOTE 6	EC NO: UCP2007-2798	2007/05/02	DESCRIPTION
	DRWN:MKIPPER	2007/05/04	
Q2	CHKD:AELHAG	2007/05/04	REV
	APPR:FSMITH	2007/05/23	

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM	SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
▽=0	4 PLACES ± --- ± ---	mm INCH	---		
▽=0	3 PLACES ± --- ± .010				
	2 PLACES ± 0.25 ± .014				
	1 PLACE ± 0.36 ± ---				
	ANGULAR ± 1/2°				

DRAWN BY GUZIK	DATE 01/17/89	CHECKED BY EDGLE	DATE 01/17/89
	APPROVED BY LENZ		DATE 01/17/89
MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-42267-*	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 1 OF 4	

SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
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TITLE 2.5 MM HEADER ASSEMBLY	
MOLEX MOLEX INCORPORATED	
SHEET NO. 1 OF 4	

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4

3

2

1

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					

