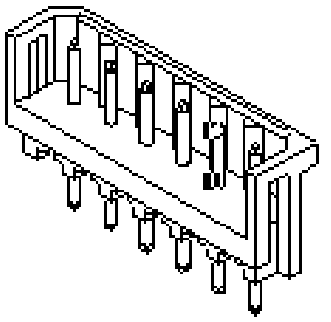
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0022438120
Status: Active
Description: 2.50mm (.098") Pitch SPOX™ Header, Shrouded, In-line Footprint, 12 Circuits, White



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-42219-0001 (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
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

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Reviewed

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
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	245

Material Info

Old Part Number	A-42267-12A

Reference - Drawing Numbers

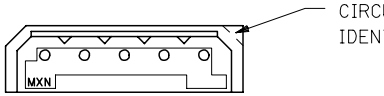
Application Specification	AS-42249-001
Product Specification	PS-42219-0001
Sales Drawing	SDA-42267-*

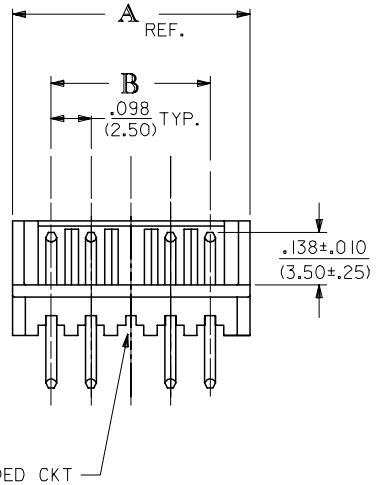
This document was generated on 06/08/2010

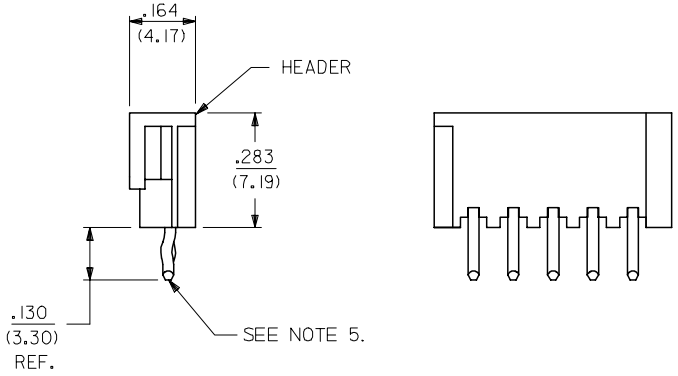
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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.







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)

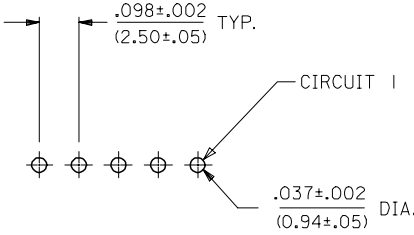
A-42267-N*-*-*

NO OF CKTS

VOID LOCATION

HOUSING NO.

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



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

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

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°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: GUZIK DATE: 01/17/89
CHECKED BY: EDGLEY DATE: 01/17/89
APPROVED BY: LENZ DATE: 01/17/89

TITLE: 2.5 MM HEADER ASSEMBLY

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-42267-*
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

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** **DATE: 12/19/2006**	**2.5 MM HEADER ASSEMBLY**	**- 2 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SDA-42267-*	**ELHAG**	**LSCHMIDT**	**FSMITH**

A-42267-ND-*				A-42267-NE-*				A-42267-NF-*			
OPTIONS	HOUSING	42249-NR		OPTIONS	HOUSING	42249-NC		OPTIONS	HOUSING	42249-ND	
	COLOR	RED			COLOR	ORANGE			COLOR	YELLOW	
	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	22-43-8021	A-42267-2D		2	22-43-8025	A-42267-2E		2	22-43-8024	A-42267-2F	
3	22-43-8031	A-42267-3D		3	22-43-8035	A-42267-3E		3	22-43-8034	A-42267-3F	
4	22-43-8041	A-42267-4D		4	22-43-8045	A-42267-4E		4	22-43-8044	A-42267-4F	
5	22-43-8051	A-42267-5D		5	22-43-8055	A-42267-5E		5	22-43-8054	A-42267-5F	
6	22-43-8061	A-42267-6D		6	22-43-8065	A-42267-6E		6	22-43-8064	A-42267-6F	
7	22-43-8071	A-42267-7D		7	22-43-8075	A-42267-7E		7		A-42267-7F	
8	22-43-8081	A-42267-8D		8	22-43-8085	A-42267-8E		8		A-42267-8F	
9	22-43-8091	A-42267-9D		9	22-43-8095	A-42267-9E		9		A-42267-9F	
10	22-43-8101	A-42267-10D		10	22-43-8105	A-42267-10E		10	22-43-8104	A-42267-10F	
11	22-43-8111	A-42267-11D		11	22-43-8115	A-42267-11E		11		A-42267-11F	
12	22-43-8121	A-42267-12D		12	22-43-8125	A-42267-12E		12		A-42267-12F	
13	22-43-8131	A-42267-13D		13	22-43-8135	A-42267-13E		13		A-42267-13F	
14	22-43-8141	A-42267-14D		14	22-43-8145	A-42267-14E		14		A-42267-14F	
15	22-43-8151	A-42267-15D		15	22-43-8155	A-42267-15E		15		A-42267-15F	

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
Q1	**EC NO: UCP2007-1449** **DATE: 12/19/2006**	**2.5 MM HEADER ASSEMBLY**	**- 3 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SDA-42267-*	**ELHAG**	**LSCHMIDT**	**FSMITH**

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								

REV:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
Q1	**EC NO: UCP2007-1449** **DATE: 12/19/2006**	**2.5 MM HEADER ASSEMBLY**	**- 4 -**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
SDA-42267-*	**ELHAG**	**LSCHMIDT**	**FSMITH**