

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0010321041

Status:

Active

Overview:

SPOX Connector System

Description:

5.08mm Pitch SPOX Wire-to-Board Header, Vertical, with Friction Lock, 4 Circuits

Documents:	
3D Model	Product Specification PS-5197-003-001 (PDF)
Drawing (PDF)	Product Specification PS-5197-004-001 (PDF)
3D Model (PDF)	Product Specification PS-5281-002-001 (PDF)
Product Specification PS-5197-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	5281
Application	Power, Wire-to-Board
Overview	SPOX Connector System
Product Name	SPOX
UPC	800753611474

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	1567.500/mg
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.60mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	5.08mm
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[5281](#) Series

Mates With

[5197](#) SPOX Crimp Housing

Electrical

Current - Maximum per Contact	7.0A
Voltage - Maximum	250V

Material Info

Engineering Number	5281-04A
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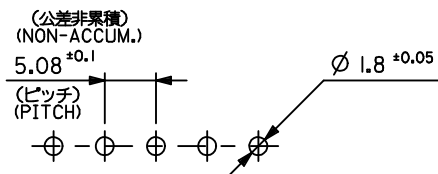
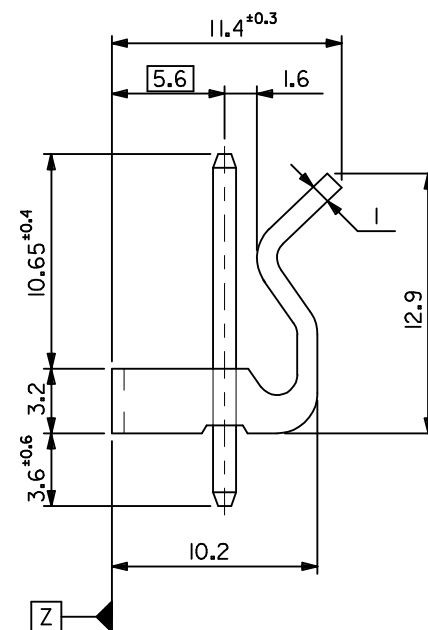
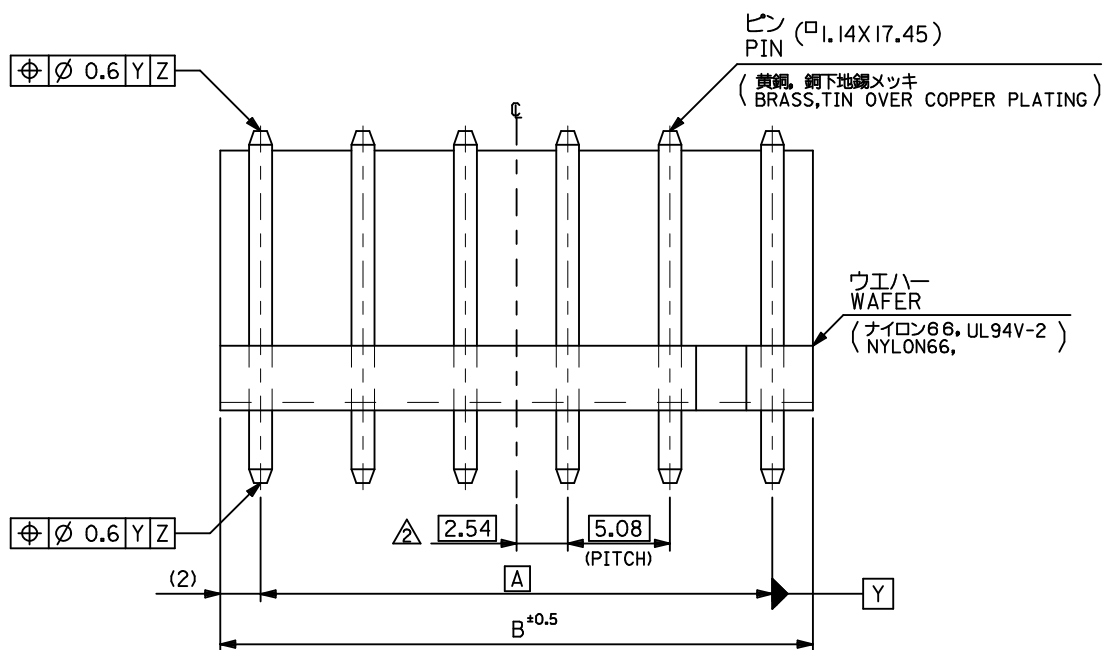
Reference - Drawing Numbers

Product Specification	PS-5197-001-001, PS-5197-003-001, PS-5197-004-001, PS-5281-002-001
Sales Drawing	SD-5281-001-001

This document was generated on 12/22/2021

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10 9 8 7 6 5 4 3 2 1



基板取付穴推奨寸法
RECOMMENDED P.C.B.HOLE DIMENSION

注記
NOTE

- 1 ウエハーのそりは, 長さ 25.4 に対して0.24 MAX..
CAMBER MUST BE 0.24 MAX. PER 25.4
- 2 全極数が偶数の場合のみ適用。
TO BE APPLIED ONLY WHEN ALL CKTS. ARE EVEN.

49.72	45.72	10-32-1101	5281-10A	10
44.64	40.64	↑ -109I	↑ -09A	9
39.56	35.56	↑ -108I	↑ -08A	8
34.48	30.48	↑ -107I	↑ -07A	7
29.4	25.4	↑ -106I	↑ -06A	6
24.32	20.32	↑ -105I	↑ -05A	5
19.24	15.24	↑ -104I	↑ -04A	4
14.16	10.16	↑ -103I	↑ -03A	3
9.08	5.08	↑ -102I	↑ -02A	2
B	A	EDP NO.	ENG. NO.	極数 NO. OF CKTS.

REVISED EC NO: J2014-1442 DRWN:TYAJIMA01 CHKD:KASAKAWA APPR:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		10 UNDER	± 0.15	TYAJIMA01	2014/03/13	TITLE KK 5.08 WAFER ASSY WITH LOCK		
		10 OVER 30 UNDER	± ---	CHECKED BY KASAKAWA	2014/03/13			
		30 OVER	± ---	APPROVED BY NUKITA	2014/03/13			
		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE DRAWING		SD-5281-001		1 OF 1	
	II	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9 8 7 6 5 4 3 2