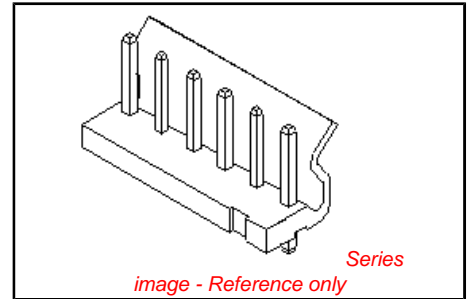


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0010321041](#)  
**Status:** **Active**  
**Description:** 5.08mm (.200") Pitch SPOX™ Wire-to-Board Header, Vertical, with Friction Lock, 4 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-5197-004 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-5197-005 (PDF)</a>
<a href="#">Product Specification PS-5197-001 (PDF)</a>	<a href="#">Product Specification PS-5281-002 (PDF)</a>
<a href="#">Product Specification PS-5197-003 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**Agency Certification**

CSA	LR19980
TUV	R72090224
UL	E29179

**General**

Product Family	PCB Headers
Series	5281
Application	Wire-to-Board
Product Name	SPOX™

**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 Compliant	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
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.142 In
PC Tail Length (mm)	3.60 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.200 In
Pitch - Mating Interface (mm)	5.08 mm
Plating min: Mating (µin)	200
Plating min: Mating (µm)	5
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5
Polarized to PCB	No
Shrouded	Partial
Stackable	No

**EU RoHS** **China RoHS**

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



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**  
[5281Series](#)

**Mates With**  
[5197 SPOX™ Crimp Terminal Housing](#)

Surface Mount Compatible (SMC)  
Temperature Range - Operating  
Termination Interface: Style

No  
-40°C to +105°C  
Through Hole

**Electrical**

Current - Maximum per Contact  
Voltage - Maximum

7A  
250V

**Material Info**

Old Part Number

5281-04A

**Reference - Drawing Numbers**

Product Specification

PS-5197-001, PS-5197-003, PS-5197-004,  
PS-5197-005, PS-5281-002, RPS-5197-001,  
RPS-5281-001  
SD-5281-NA

Sales Drawing

This document was generated on 04/14/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

E

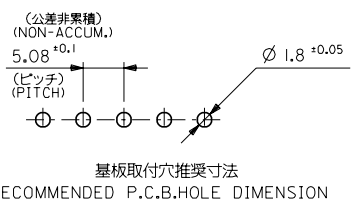
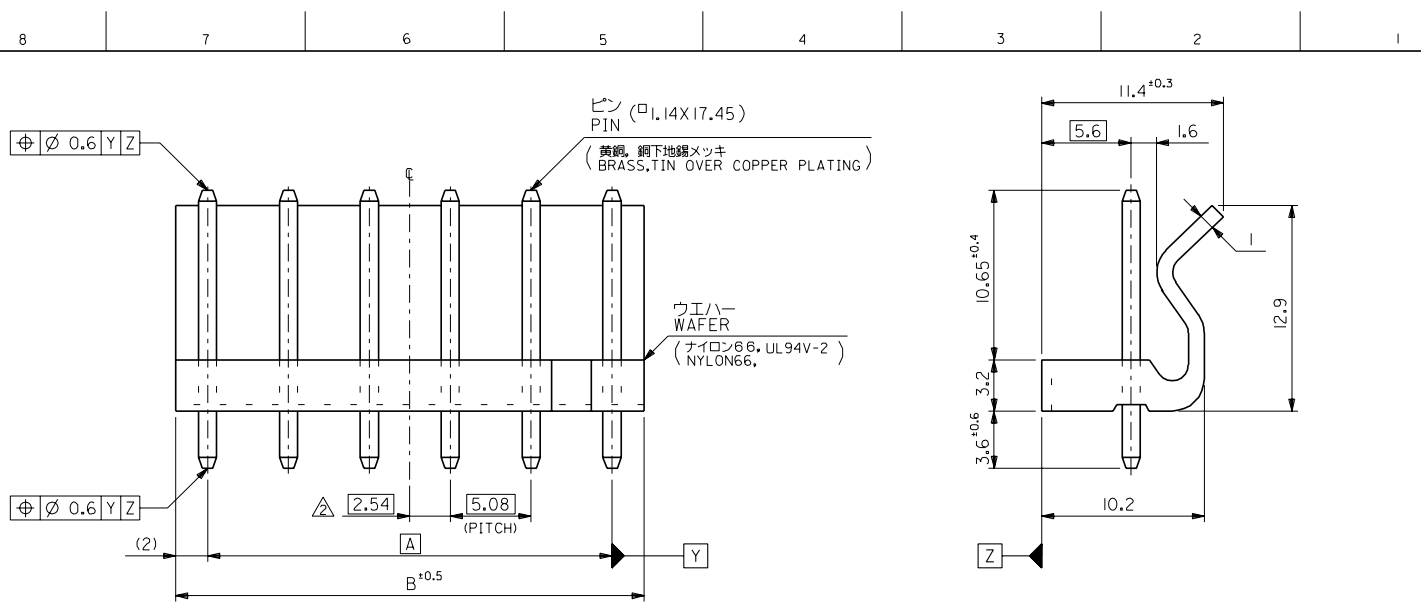
D

C

B

A

1MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING



注記 NOTE

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

44.64	40.64	10-32-109I	5281-09A	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	10-32-102I	5281-02A	2
B	A	EDP NO.	ENG. NO.	極数 NO. OF CKTS.

角度 ANGLE	±3°					材料 MATERIAL	図中参照 SEE DRAWING	MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社 REVISE ONLY ON CAD SYSTEM TITLE 名称 KK 5.08 WAFER ASS'Y WITH LOCK
30以上 OVER	±0.3					仕上げ FINISH	---	
10以上 OVER 30 UNDER	±0.25	E	変更 REVISD	LCK0668	Y.M.	適用電線範囲 WIRE RANGE	---	
10 UNDER	±0.2	D	再確認&変更 REDRAWN & REVISED	L40394	H.H.	被覆外径 INS. RANGE	---	
一般公差 GENERAL TOLERANCES		記号 LTR	変更内容 REVISION RECORD	DR. DATE	CHK. DATE	DRAWN BY 34/05/28 H.HASEGAWA	CHK'D BY 36/03/25 S.A.M.FUKUSHIMA	DWG. NO. SD-5281-NA

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