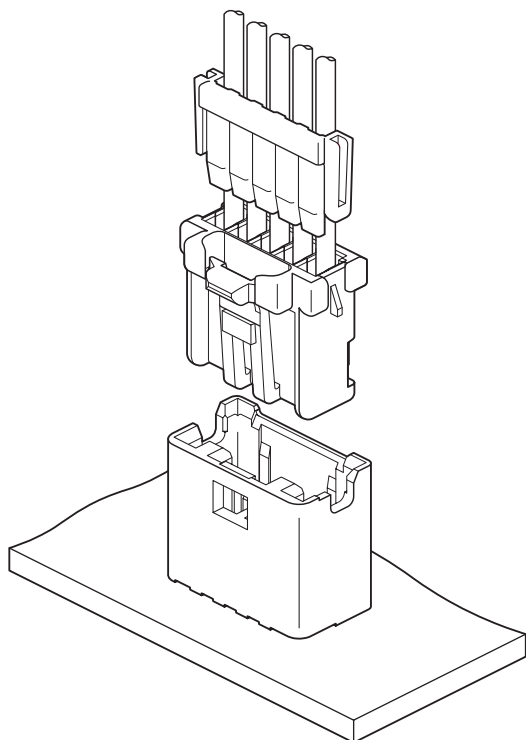


# PNI CONNECTOR

**2.0mm pitch/Disconnectable Crimp style connectors**



***This is a 2.0mm pitch wire-to-board connector, having incomplete mating prevention mechanism.***

- Inertial lock structure
- Finger-friendly design
- Secure locking structure

## Specifications

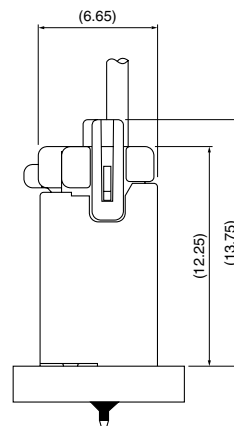
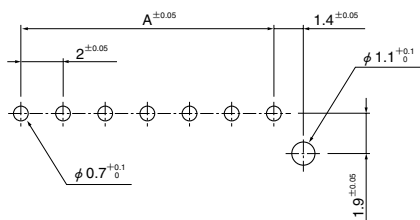
- Current rating: 3 A AC, DC (AWG#22)
- Voltage rating: 100 V AC, DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.  
After environmental tests/ 20 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage: 800 VAC/minute
- Applicable wire: AWG #28 to #22
- Applicable PC board thickness: 1.6 mm

- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.
- \* Compliant with RoHS.

## Standards

⚡ Recognized E60389

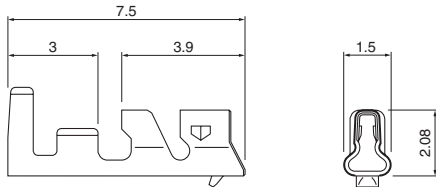
Ⓢ Certified LR20812



Note: 1. The above figure is the figure viewed from the connector mounting side.  
2. Tolerances are non-cumulative: ±0.05mm for all centers.  
3. Hole dimensions differ according to the type of PC board and piercing method.  
The dimensions above should serve as a guideline. Contact JST for details.

# PNI CONNECTOR

## Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty / reel
	mm <sup>2</sup>	AWG #		
<b>SPND-001T-C0.5</b>	0.13~0.33	26~22	1.0~1.5	8,000
<b>SPND-002T-C0.5</b>	0.08~0.22	28~24	0.8~1.5	8,000

### Material and Finish

Copper alloy, tin-plated (reflow treatment)

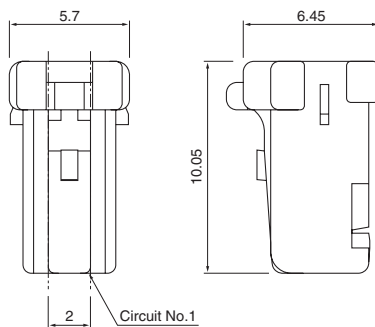
### RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
<b>SPND-001T-C0.5</b>	AP-K2N	MKS-L	MK/SPND-001-05	APLMK SPND001-05
		*MKS-SC	SC/SPND-001-05	APLSC SPND00105
<b>SPND-002T-C0.5</b>		MKS-L	MK/SPAD/ND-002-05	APLMK SPAD/ND002-05
		—	—	—

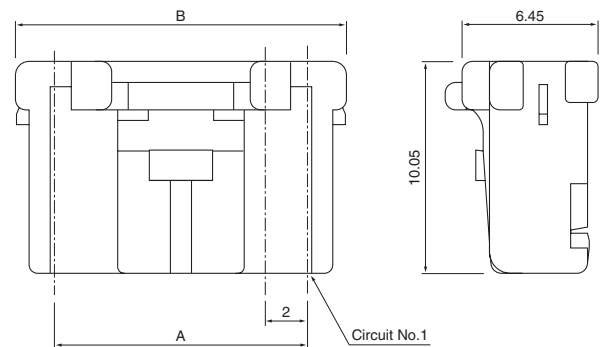
Note: \*Strip-crimp applicator

## Housing

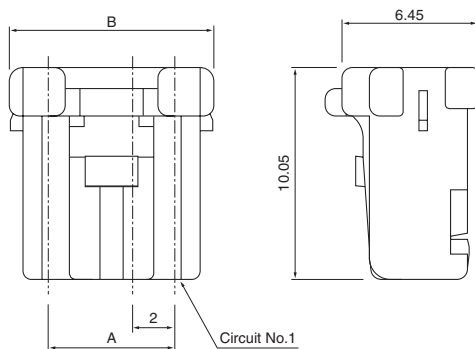
### <2 circuits>



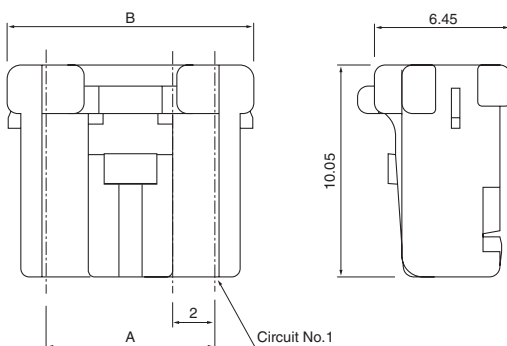
### <7 to 10 circuits>



### <3, 4 circuits>



### <5, 6 circuits>



Circuits	Model No.	Dimensions (mm)		Q'ty / bag
		A	B	
2	<b>PNIRP-02V-S</b>	—	5.7	1,000
3	<b>PNIRP-03V-S</b>	4.0	7.7	1,000
4	<b>PNIRP-04V-S</b>	6.0	9.7	1,000
5	<b>PNIRP-05V-S</b>	8.0	11.7	1,000
6	<b>PNIRP-06V-S</b>	10.0	13.7	1,000
7	<b>PNIRP-07V-S</b>	12.0	15.7	1,000
8	<b>PNIRP-08V-S</b>	14.0	17.7	1,000
9	<b>PNIRP-09V-S</b>	16.0	19.7	1,000
10	<b>PNIRP-10V-S</b>	18.0	21.7	1,000

### Material

Glass-filled PBT, UL94V-0, natural (white)

### RoHS compliance

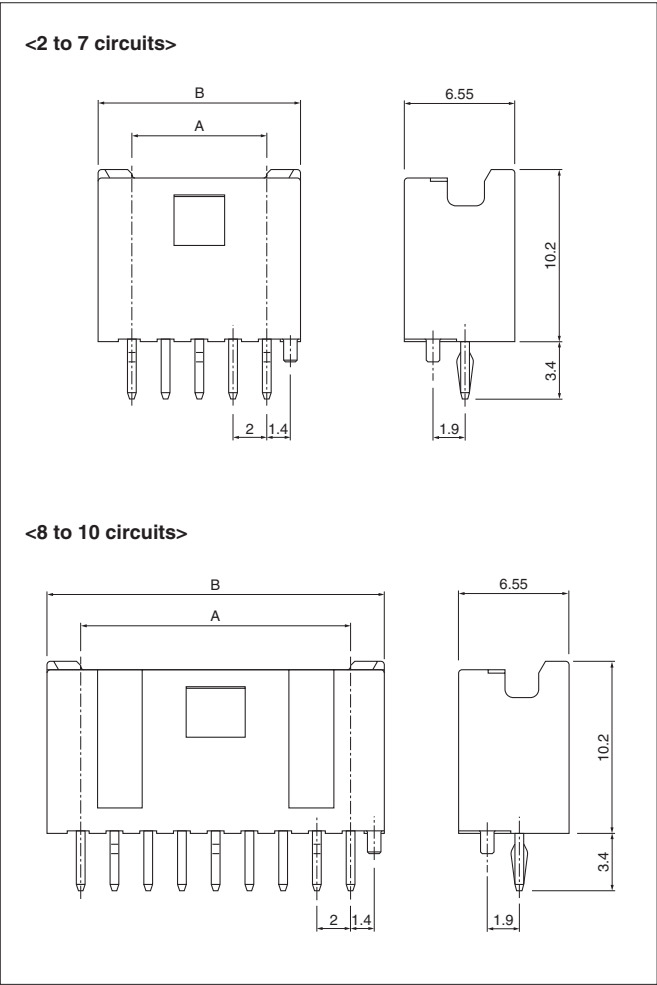
<For reference> As the color identification,  
the following alphabet shall be put in the underlined part.  
For availability, delivery and minimum order quantity, contact JST.

ex. **PNIRP-02V-S**

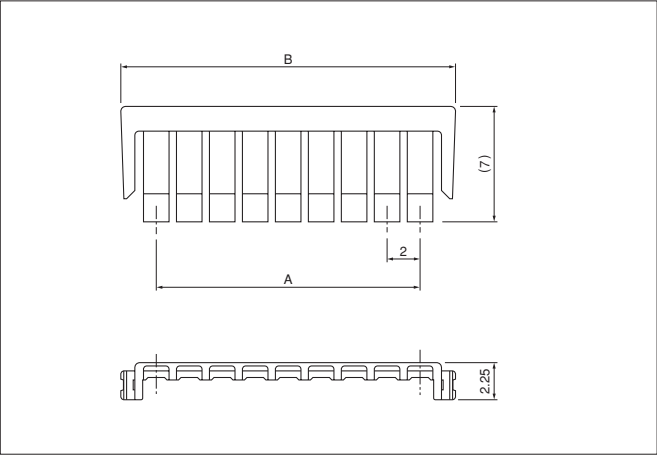
S...natural (white) M...green R...red E...blue H...gray  
LG...light green K...black Y...yellow

# PNI CONNECTOR

## Shrouded header



## Retainer



### Glass-filled PBT

Circuits	Model No.	Dimensions (mm)		Q'ty / box
	With boss	A	B	
2	B02B-PNISK-1	2.0	6.0	1,000
3	B03B-PNISK-1	4.0	8.0	1,000
4	B04B-PNISK-1	6.0	10.0	500
5	B05B-PNISK-1	8.0	12.0	500

Material and Finish				
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)				
Wafer: Glass-filled PBT, UL94V-0, natural (white)				

RoHS compliance This product displays (LF)(SN) on a label.

### Glass-filled PA 66

Circuits	Model No.	Dimensions (mm)		Q'ty / box
	With boss	A	B	
2	B02B-PNISK-1A	2.0	6.0	1,000
3	B03B-PNISK-1A	4.0	8.0	1,000
4	B04B-PNISK-1A	6.0	10.0	500
5	B05B-PNISK-1A	8.0	12.0	500
6	B06B-PNISK-1A	10.0	14.0	350
7	B07B-PNISK-1A	12.0	16.0	300
8	B08B-PNISK-1A	14.0	18.0	250
9	B09B-PNISK-1A	16.0	20.0	250
10	B10B-PNISK-1A	18.0	22.0	250

Material and Finish				
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)				
Wafer: Glass-filled PA 66, UL94V-0, natural (white)				

RoHS compliance This product displays (LF)(SN) on a label.

<For reference> As the color identification, the following alphabet shall be put in the underlined part. For availability, delivery and minimum order quantity, contact JST.

ex. B02B-PNISK-1  
S...natural (white) M...green R...red E...blue H...gray  
K...black

ex. B02B-PNISK-1A  
S...natural (white) M...green R...red E...blue H...gray  
LG...light green Y...yellow

Circuits	Model No.	Dimensions (mm)		Q'ty / bag
		A	B	
2	PNIS-02V	2.0	6.3	1,000
3	PNIS-03V	4.0	8.3	1,000
4	PNIS-04V	6.0	10.3	1,000
5	PNIS-05V	8.0	12.3	1,000
6	PNIS-06V	10.0	14.3	1,000
7	PNIS-07V	12.0	16.3	1,000
8	PNIS-08V	14.0	18.3	1,000
9	PNIS-09V	16.0	20.3	1,000
10	PNIS-10V	18.0	22.3	1,000

Material				
Glass-filled PA 66, UL94V-0, natural (ivory)				

RoHS compliance