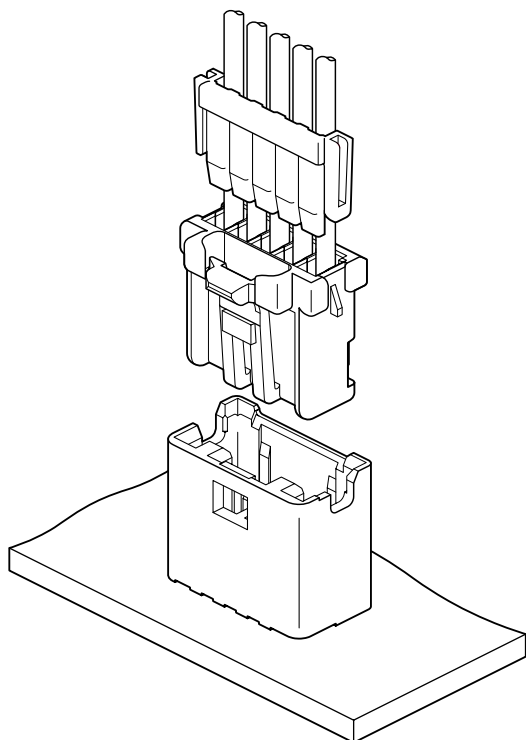


PNI CONNECTOR

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: Conductor size/ AWG #28 to #22
Insulation O.D./ 0.76 to 1.5 mm
- Applicable PC board thickness: 1.6 mm

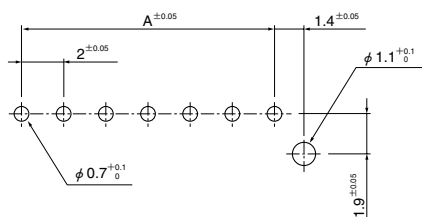
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.
- * Compliant with RoHS.

Standards

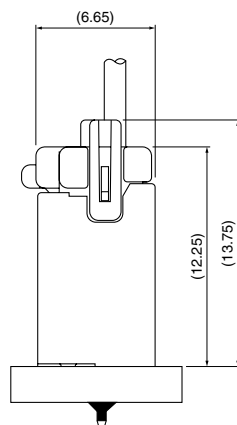
Recognized E60389

Certified LR20812

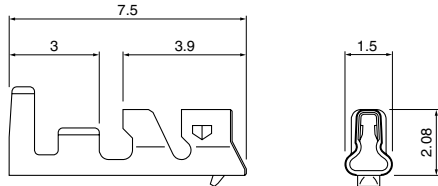
PC board layout and Assembly layout



Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ± 0.05 mm 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.



Contact



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/ reel
	mm ²	AWG #		
SPND-001T-C0.5	0.13~0.33	26~22	1.0~1.5	8,000
SPND-002T-C0.5	0.08~0.22	28~24	0.76~1.5	8,000

Material and Finish

Copper alloy, tin-plated (reflow treatment)

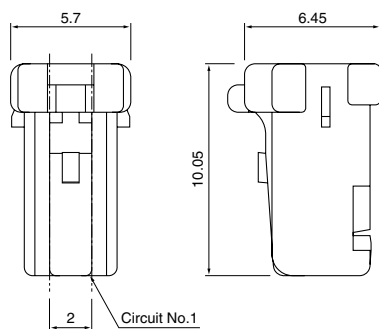
RoHS compliance

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

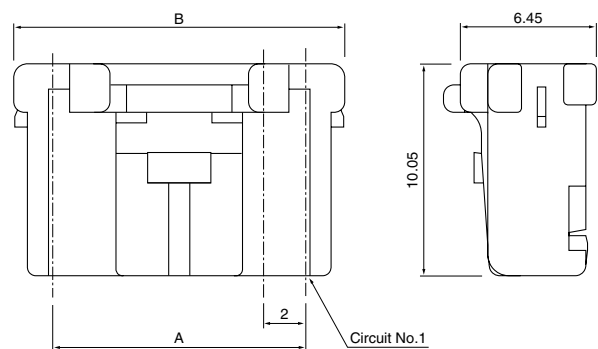
Note: *Strip-crimp applicator

Housing

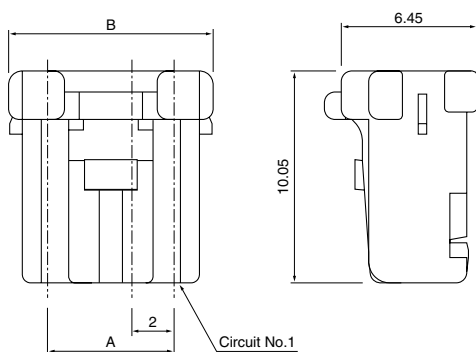
<2 circuits>



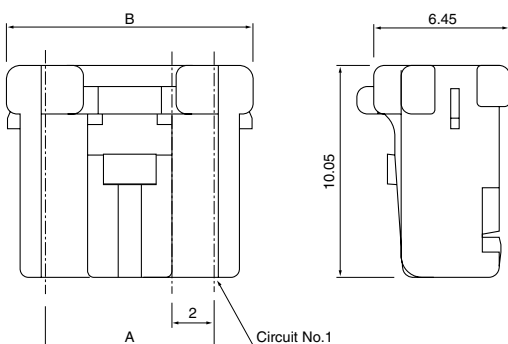
<7 to 10 circuits>



<3, 4 circuits>



<5, 6 circuits>



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

Material

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

RoHS compliance

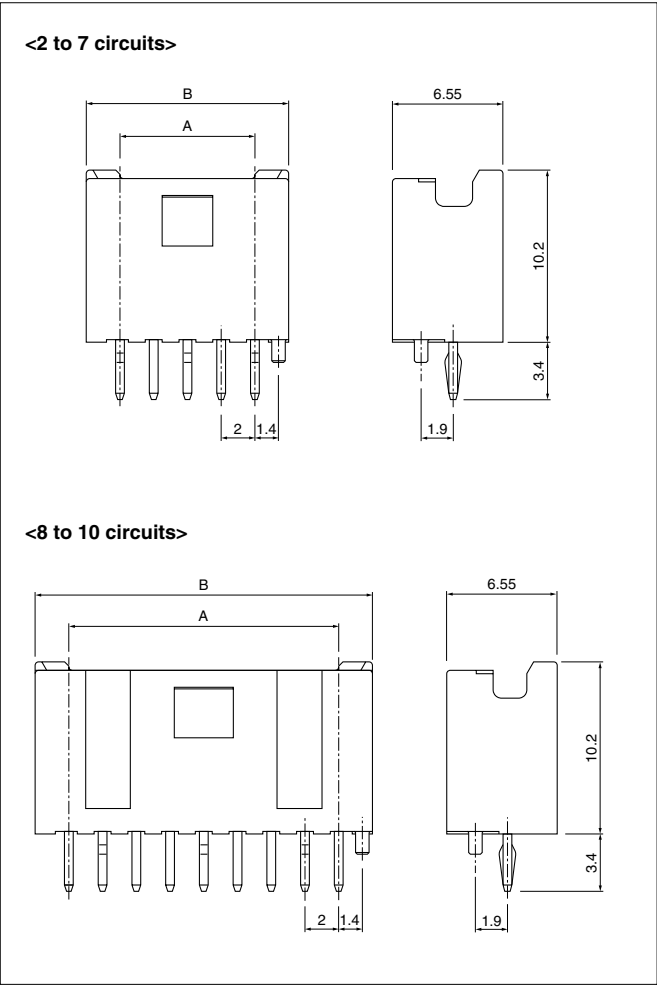
<For reference> As the color identification, the following alphabet shall be put in the underlined part.
For availability, delivery and minimum order quantity, contact JST.

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

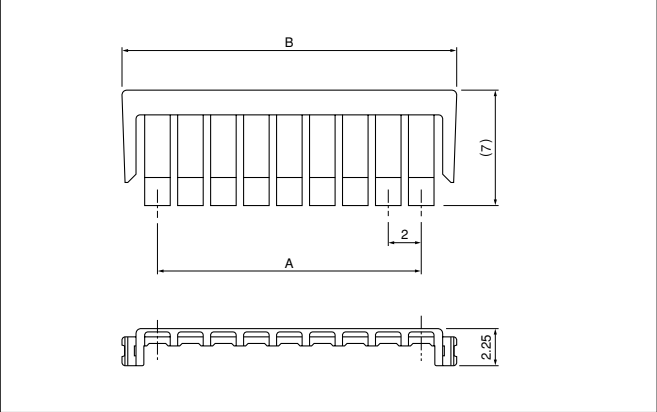
S...natural (white) M...green R...red E...blue H...gray
LG...light green K...black Y...yellow

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