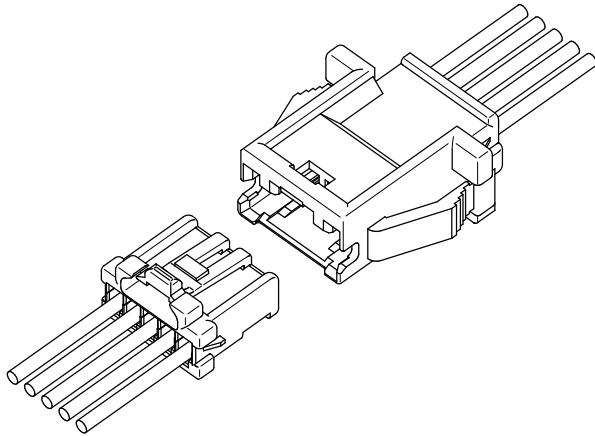


# PNI CONNECTOR

2.0 mm pitch/Disconnectable Crimp style Wire-to-Wire connectors



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

- Inertial lock structure
- Finger-friendly design
- Secure locking structure
- Applicable for free-hanging and panel mounting types
- Retainer mountable type

## Standards

☑ :Recognized E 60389

## Specifications

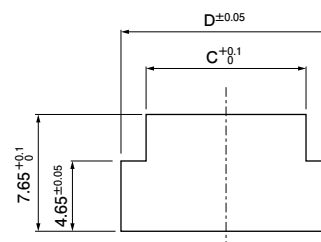
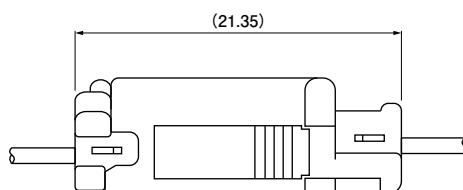
- Current rating: 3 A AC/DC (AWG #22)
  - Voltage rating: 100 V AC/DC
  - Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
  - Contact resistance:
    - Initial value/ 15 mΩ max.
    - After environmental tests/ 25 mΩ max.
  - Insulation resistance: 1,000 MΩ min.
  - Withstanding voltage: 800 VAC/minute
  - Applicable wire: AWG #28 to #22
  - Applicable panel thickness: 0.5 to 2.0 mm
- \* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- \* It does not comply with the Electrical Appliances and Materials Safety Act (Standard in Japan).
- \* RoHS2 compliance
- \* Dimensional unit: mm
- \* Contact JST for details.

## Panel layout and Assembly layout

### Without panel locks



### With panel locks

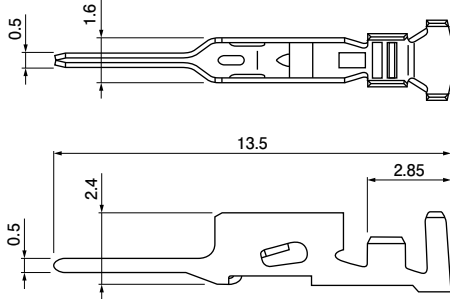


Note: C and D dimensions: Refer to receptacle housing section.

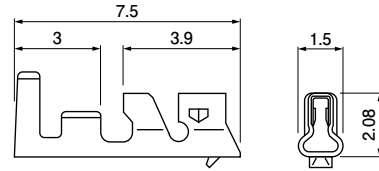
# PNI CONNECTOR

## Contact

### Pin contact



### Socket contact



### Pin contact

Model No.	Applicable wire range		Q'ty/reel	
	Conductor size	AWG# (mm <sup>2</sup> )		
SPNI-002T-P0.5	28 to 24	(0.08 to 0.21)	0.76 to 1.5	9,000
SPNI-001T-P0.5	26 to 22	(0.13 to 0.33)	1.0 to 1.5	9,000

#### Material and Finish

Copper alloy, tin-plated

RoHS2 compliance

### Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SPNI-002T-P0.5	AP-K2N	MKS-L	APLMK SPAL002-05
SPNI-001T-P0.5			APLMK SPAL001-05

Note: Contact JST for fully automatic crimping applicator.

### Socket contact

Model No.	Applicable wire range		Q'ty/reel	
	Conductor size	AWG# (mm <sup>2</sup> )		
SPND-002T-C0.5	28 to 24	(0.08 to 0.22)	0.76 to 1.5	8,000
SPND-001T-C0.5	26 to 22	(0.13 to 0.33)	1.0 to 1.5	8,000

#### Material and Finish

Copper alloy, tin-plated

RoHS2 compliance

### Crimping machine

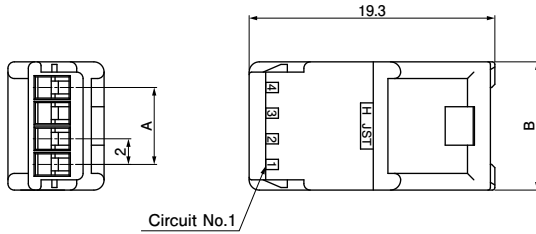
Contact	Crimping machine	Applicator	Crimp applicator with dies
SPND-002T-C0.5	AP-K2N	MKS-L	APLMK SPAD/ND002-05
SPND-001T-C0.5			APLMK SPND001-05

Note: Contact JST for fully automatic crimping applicator.

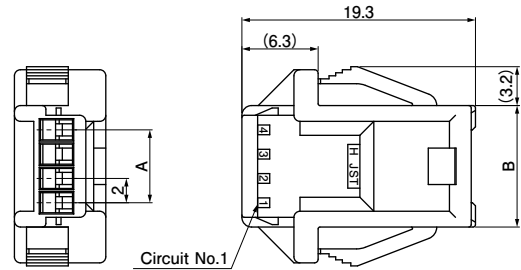
# PNI CONNECTOR

## Receptacle housing (for pin contact)

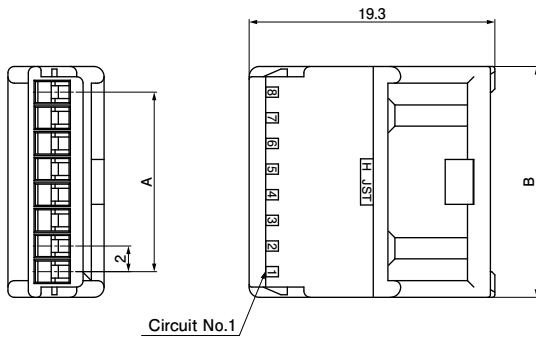
Without panel locks  
<2 to 6 circuits>



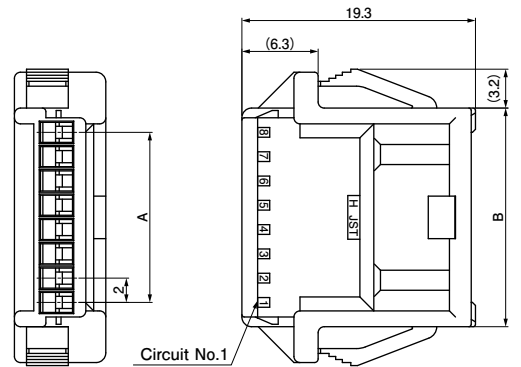
With panel locks  
<2 to 6 circuits>



<8, 10 circuits>



<8, 10 circuits>



No. of circuits	Model No.		Dimensions (mm)				Q'ty/bag
	Without panel locks	With panel locks	A	B	C	D	
2	PNIRR-02VF	PNIRR-02V	—	6.0	6.4	9.7	1,000
3	PNIRR-03VF	PNIRR-03V	4.0	8.0	8.4	11.7	1,000
4	PNIRR-04VF	PNIRR-04V	6.0	10.0	10.4	13.7	500
5	PNIRR-05VF	PNIRR-05V	8.0	12.0	12.4	15.7	500
6	PNIRR-06VF	PNIRR-06V	10.0	14.0	14.4	17.7	500
8	PNIRR-08VF	PNIRR-08V	14.0	18.0	18.4	21.7	500
10	PNIRR-10VF	PNIRR-10V	18.0	22.0	22.4	25.7	500

### Material and Finish

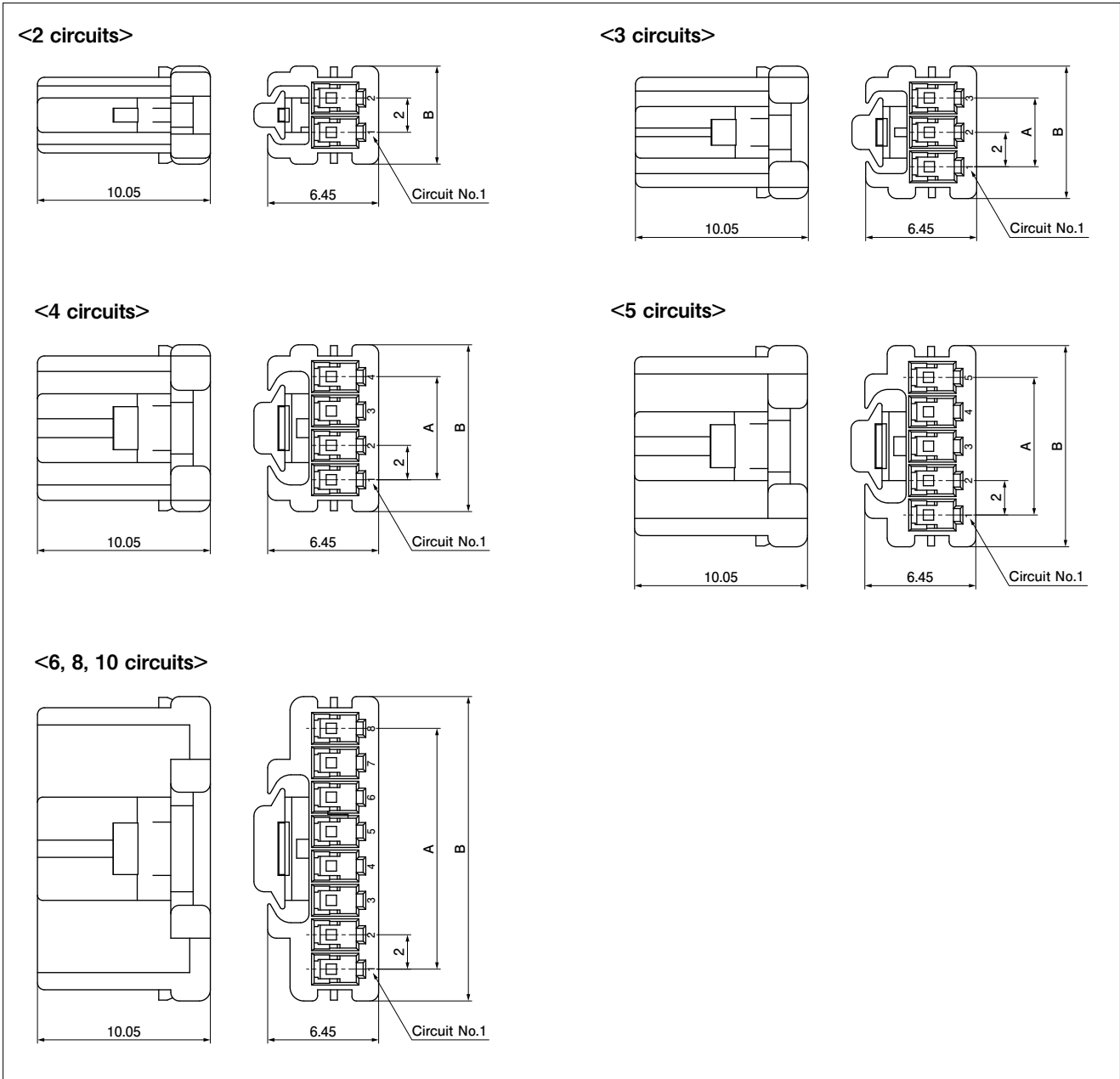
PA 66, UL94V-0, natural (white)

RoHS2 compliance

Note: C and D dimensions: Panel layout dimensions

# PNI CONNECTOR

## Socket housing (for socket contact)



No. of 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
8	PNIRP-08V-S	14.0	17.7	1,000
10	PNIRP-10V-S	18.0	21.7	1,000

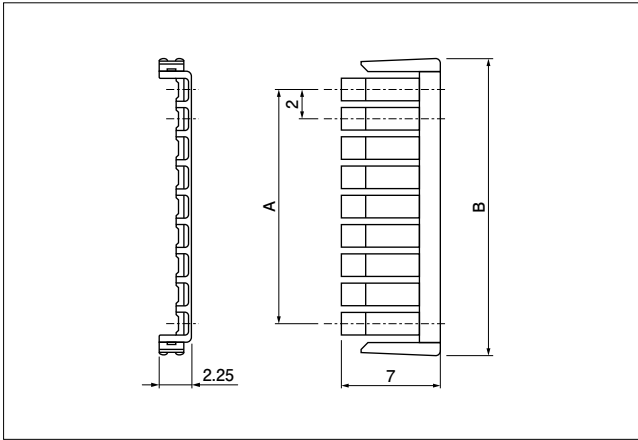
### Material and Finish

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

RoHS2 compliance

# PNI CONNECTOR

## Retainer



No. of circuits	Model No.	Dimensions (mm)		Q'ty/bag
		A	B	
2	PNIS-02V	—	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
8	PNIS-08V	14.0	18.3	1,000
10	PNIS-10V	18.0	22.3	1,000

### Material and Finish

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

RoHS2 compliance