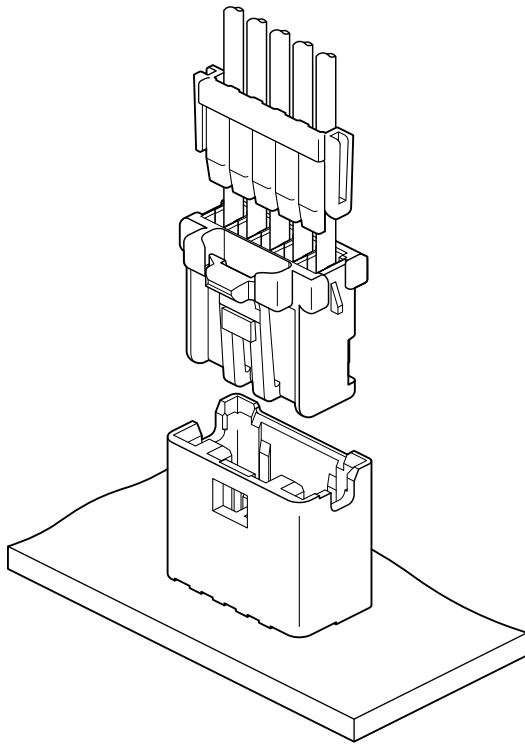


PNI CONNECTOR

2.0 mm pitch/Disconnectable Crimp style connectors



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

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

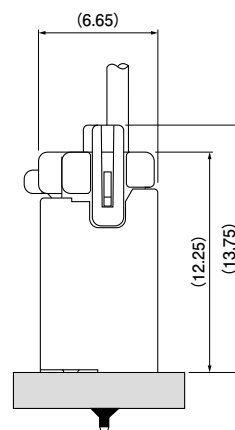
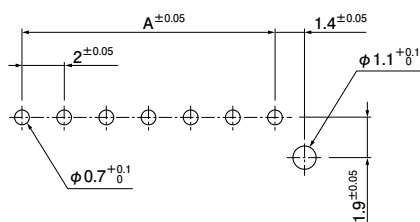
Specifications

- 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
- * In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- * RoHS2 compliance
- * Dimensional unit: mm
- * Contact JST for details.

Standards

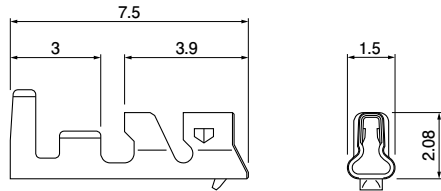
Ⓜ Recognized E60389

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 to 0.33	26 to 22	1.0 to 1.5	8,000
SPND-002T-C0.5	0.08 to 0.22	28 to 24	0.76 to 1.5	8,000

Material and Finish

Copper alloy, tin-plated (reflow treatment)

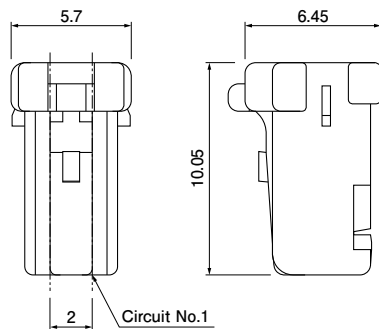
RoHS2 compliance

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
SPND-002T-C0.5			MK/SPAD/ND-002-05	APLMK SPAD/ND002-05

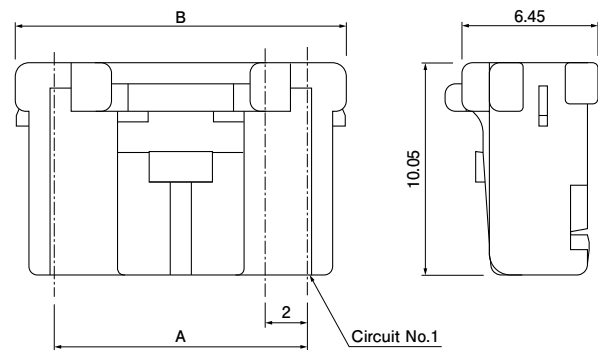
Note: Contact JST for fully automatic crimping applicator.

Housing

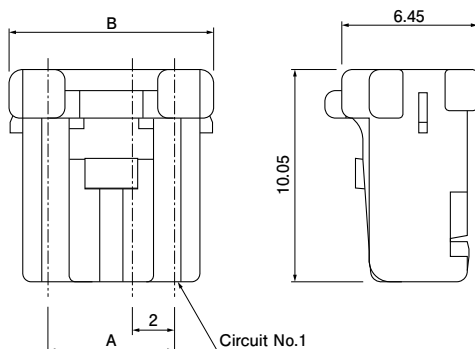
<2 circuits>



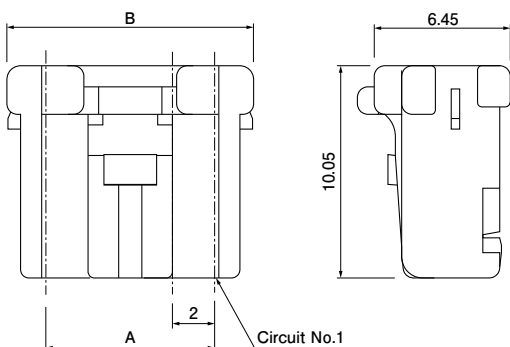
<7 to 10 circuits>



<3, 4 circuits>



<5, 6 circuits>



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
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

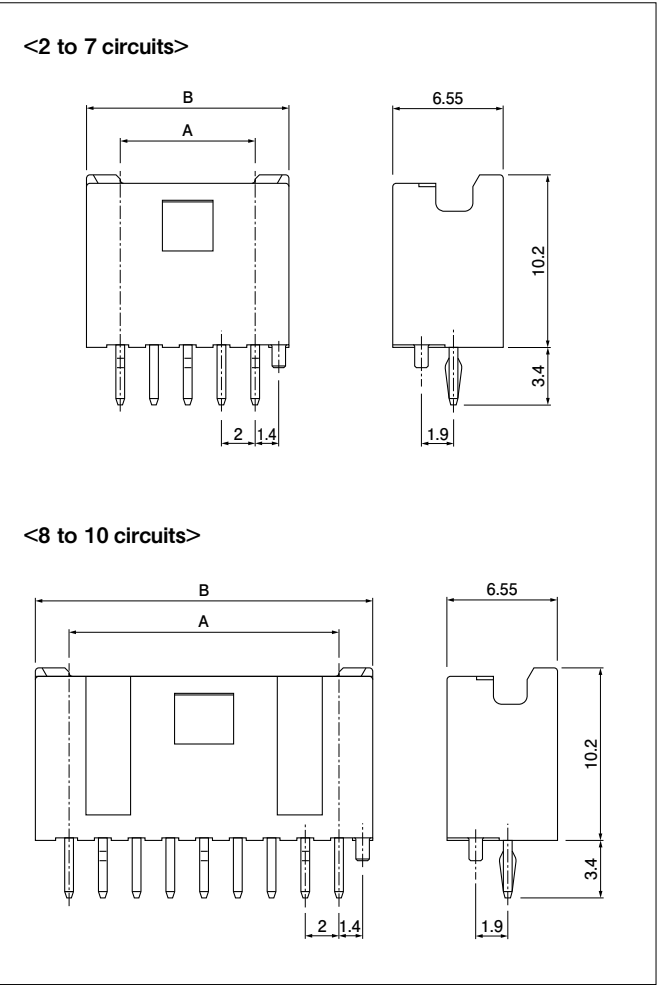
Material and Finish

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

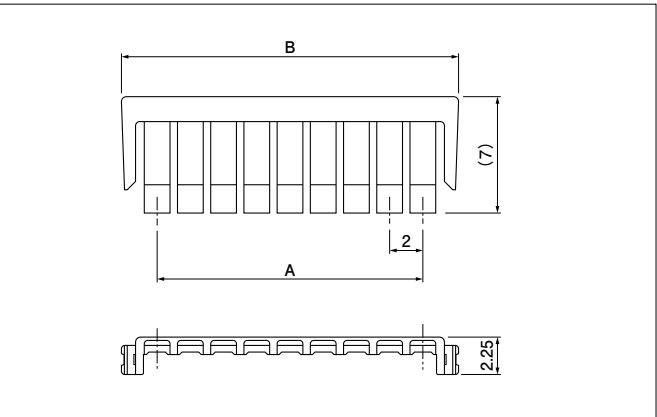
RoHS2 compliance

PNI CONNECTOR

Header



Retainer



Glass-filled PBT

No. of 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)				

RoHS2 compliance This product displays (LF)(SN) on a label.

Glass-filled PA 66

No. of 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)				

RoHS2 compliance This product displays (LF)(SN) on a label.

No. of 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 and Finish				
Glass-filled PA 66, UL94V-0, natural (ivory)				

RoHS2 compliance

Model number allocation

Contact

S PND - 002 T - C 0.5

Form: S...Strip form

Series name

Applicable wire range: 001...AWG #26 to AWG #22
002...AWG #28 to AWG #24

Surface finish: T...Tin-plated (reflow treatment)

Material: C...Copper alloy

Terminal size

Housing

PNI RP - 02 V - S

Series name

Part name: Plug (retainer mountable type)

No. of circuits: 2 to 10

Flammability: V...UL94V-0

Color: S...Natural (White), M...Green, R...Red, E...Blue, H...Gray,
LG...Light green, K...Black, Y...Yellow

Header (Glass-filled PBT)

B 02 B - PNI S K - 1

Shape of assembled product

No. of circuits: 2 to 5

Part name: Header

Series name

Color: S...Natural (White), M...Green, R...Red, E...Blue,
H...Gray, K...Black

Indication of clinch: K...Clinched

Shape: 1...With boss

Header (Glass-filled Nylon 66)

B 02 B - PNI S K - 1 A

Shape of assembled product

No. of circuits: 2 to 10

Part name: Header

Series name

Color: S...Natural (White), M...Green, R...Red, E...Blue,
H...Gray, LG...Light green, Y...Yellow

Indication of clinch: K...Clinched

Shape: 1...With boss

Material: A...Glass-filled Nylon 66

Retainer

PNI S - 02 V

Series name

Part name: Retainer

No. of circuits: 2 to 10

Flammability: V...UL94V-0