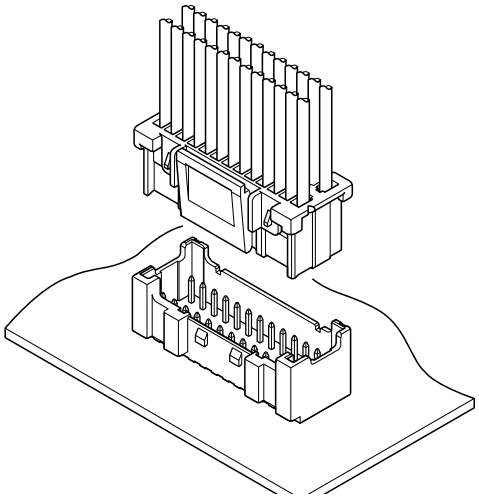


PND CONNECTOR

2.0 mm pitch/Disconnectable Crimp style connectors



The PND connector is the high-density dipping type connector with secure lock for wire to board connection and enabled to achieve excellent workability and withstand the unexpected external force.

- **Superior operability (Low insertion force)**
- **Withstanding external force and secure locking device**
- **Countermeasure for inverse insertion and mismatching insertion**
- **High density**
- **Polarizing boss**

Specifications

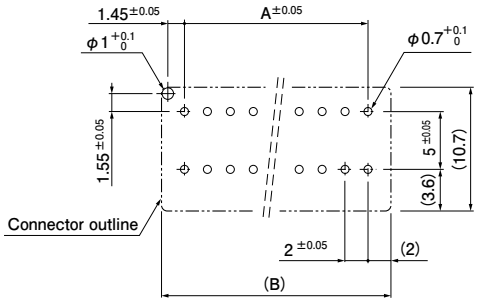
- Current rating: 3 A AC/DC (AWG #22)
- Voltage rating: 250 V AC/DC
- Temperature range: −25℃ to +85℃
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 10 mΩ max.
  After environmental tests/ 20 mΩ max.
- Insulation resistance: 1,000 MΩ min.
- Withstanding voltage: 800 VAC/minute
- Applicable wire: Conductor size/ AWG #28 to #22
  Insulation O.D./ 0.76 to 1.5 mm

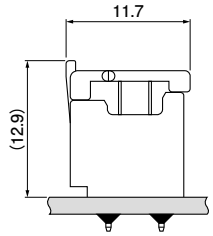
* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
* RoHS2 compliance
* Dimensional unit: mm
* Contact JST for details.

Standards

Recognized E60389

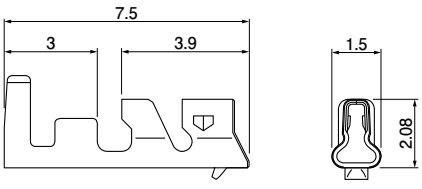
PC board layout and Assembly layout





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
	mm²	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	

Material and Finish
Copper alloy, tin-plated (reflow treatment)

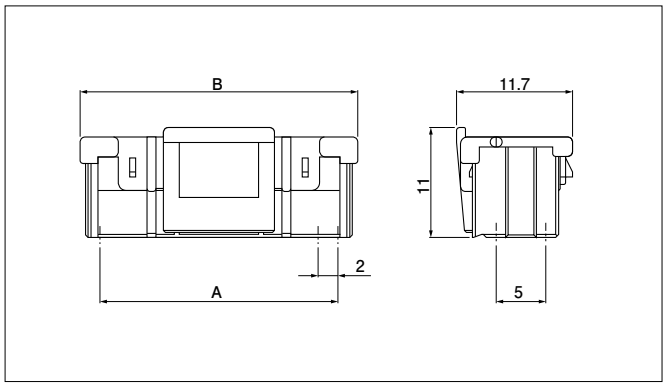
RoHS2 compliance

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.

PND CONNECTOR

Housing

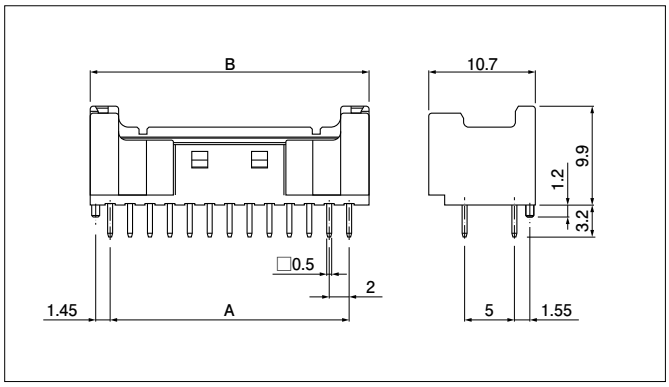


No. of circuits	Model No.	Dimensions (mm)		Q'ty/ bag
		A	B	
8	PNDP-08V-Z	6.0	10.0	500
10	PNDP-10V-Z	8.0	12.0	500
12	PNDP-12V-Z	10.0	14.0	500
14	PNDP-14V-Z	12.0	16.0	500
16	PNDP-16V-Z	14.0	18.0	300
18	PNDP-18V-Z	16.0	20.0	300
20	PNDP-20V-Z	18.0	22.0	300
22	PNDP-22V-Z	20.0	24.0	300
24	PNDP-24V-Z	22.0	26.0	250
26	PNDP-26V-Z	24.0	28.0	250
28	PNDP-28V-Z	26.0	30.0	250
30	PNDP-30V-Z	28.0	32.0	150
32	PNDP-32V-Z	30.0	34.0	150
34	PNDP-34V-Z	32.0	36.0	150
36	PNDP-36V-Z	34.0	38.0	100
38	PNDP-38V-Z	36.0	40.0	100
40	PNDP-40V-Z	38.0	42.0	100
42	PNDP-42V-Z	40.0	44.0	100

Material and Finish
PA 66, UL94V-0, ivory

RoHS2 compliance

Header

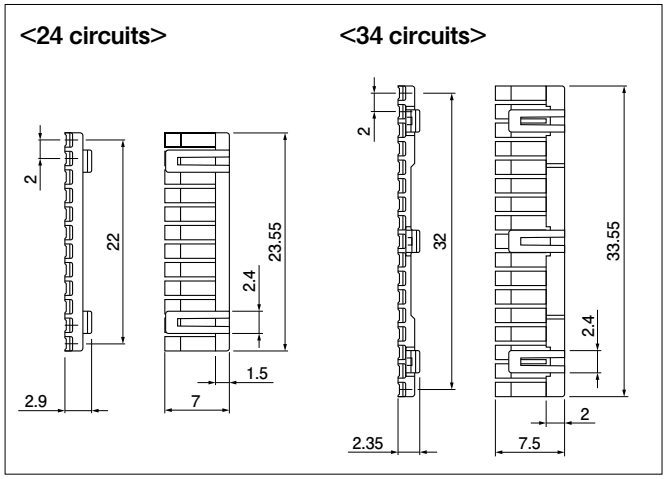


No. of circuits	Model No.		Dimensions (mm)		Q'ty/ box
	With boss	Without boss	A	B	
8	B08B-PNDZS-1	B08B-PNDZS	6.0	10.0	736
10	B10B-PNDZS-1	B10B-PNDZS	8.0	12.0	608
12	B12B-PNDZS-1	B12B-PNDZS	10.0	14.0	512
14	B14B-PNDZS-1	B14B-PNDZS	12.0	16.0	448
16	B16B-PNDZS-1	B16B-PNDZS	14.0	18.0	416
18	B18B-PNDZS-1	B18B-PNDZS	16.0	20.0	352
20	B20B-PNDZS-1	B20B-PNDZS	18.0	22.0	320
22	B22B-PNDZS-1	B22B-PNDZS	20.0	24.0	288
24	B24B-PNDZS-1	B24B-PNDZS	22.0	26.0	288
26	B26B-PNDZS-1	B26B-PNDZS	24.0	28.0	256
28	B28B-PNDZS-1	B28B-PNDZS	26.0	30.0	224
30	B30B-PNDZS-1	B30B-PNDZS	28.0	32.0	224
32	B32B-PNDZS-1	B32B-PNDZS	30.0	34.0	192
34	B34B-PNDZS-1	B34B-PNDZS	32.0	36.0	192
36	B36B-PNDZS-1	B36B-PNDZS	34.0	38.0	192
38	B38B-PNDZS-1	B38B-PNDZS	36.0	40.0	160
40	B40B-PNDZS-1	B40B-PNDZS	38.0	42.0	160
42	B42B-PNDZS-1	—	40.0	44.0	160

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

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

Retainer



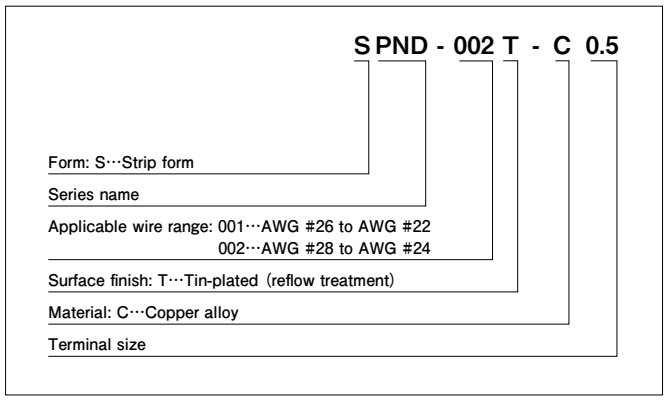
No. of circuits	Model No.	Q'ty/bag
24	PNDS-24V-Z	1,000
34	PNDS-34V-Z	1,000

Material and Finish
Glass-filled PA 66, UL94V-0, ivory

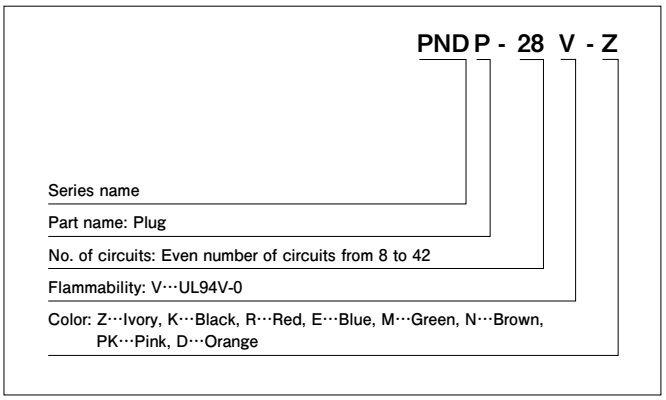
RoHS2 compliance

Model number allocation

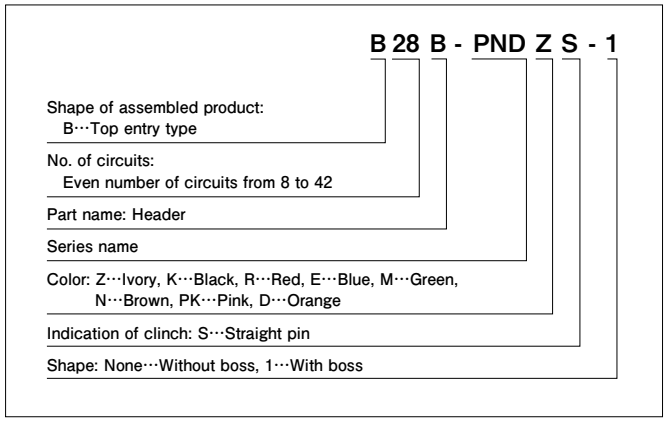
Contact



Housing



Header



Retainer

