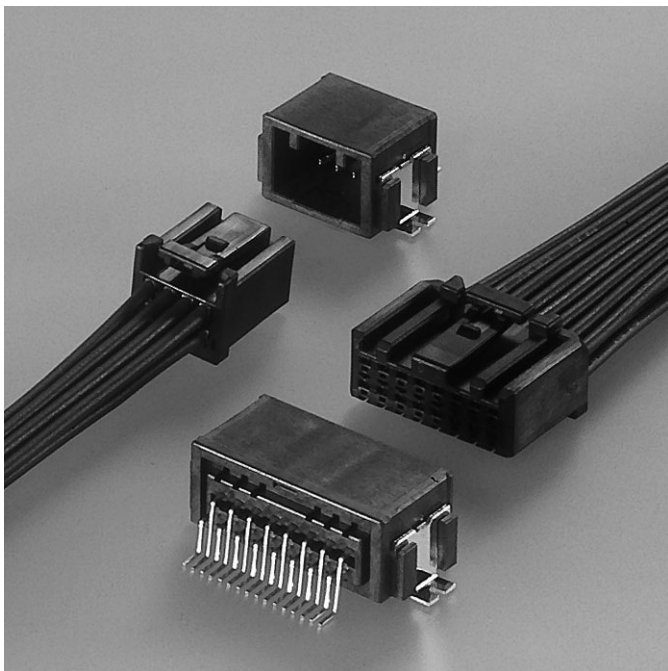




Features

● Compact design

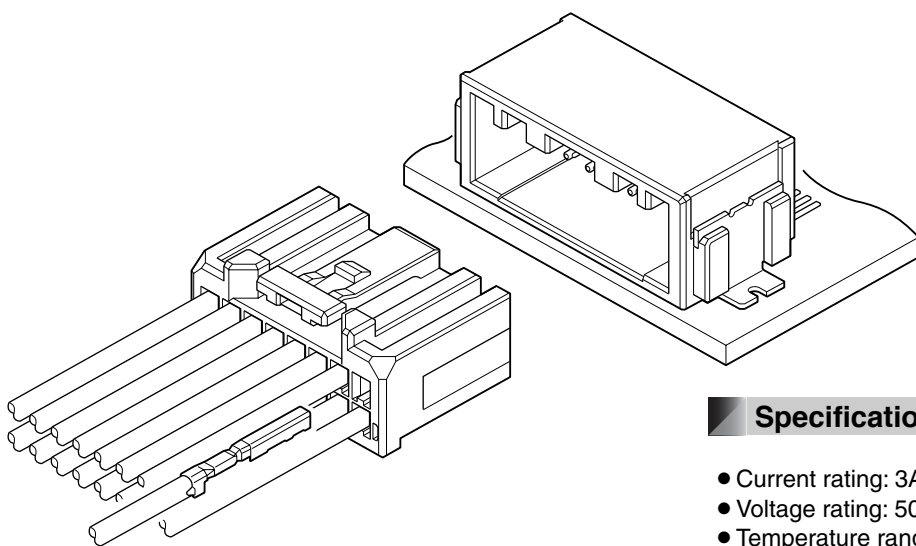
2.0mm pitch is realized miniaturization and low profile as the connector for automobile.

● Terminal construction

Female terminal is designed for simple box structure by having spring structure on male terminal.

Developed in pursuit of miniaturization and low profile as PC board connector for automobile.

This connector is surface mounting type connector having the spring structure on male terminal disproving the conventional concept.

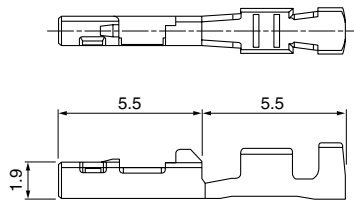


Specifications

- Current rating: 3A AC, DC (0.3mm², Single circuit)
- Voltage rating: 50V AC, DC
- Temperature range: -40°C to +100°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/8mΩ max.
After environmental testing/16mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AESX-f/ AVSS
0.3mm²

- * Compliant with ELV/RoHS.
- * Contact JST for details.

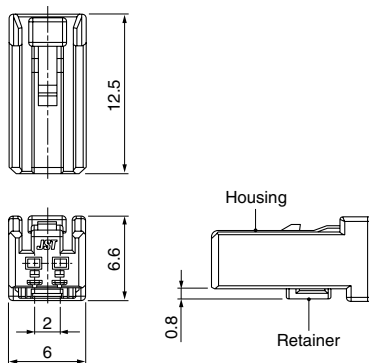
Female terminal



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SCPT-A021GF-0.5	0.3	1.4	15,000
Material and Finish			
Brass, nickel-undercoated, Contact area; gold-plated Barrel area; tin-plated			

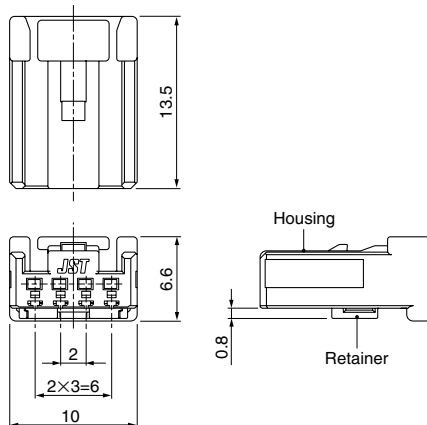
Female connector

• 2 circuits

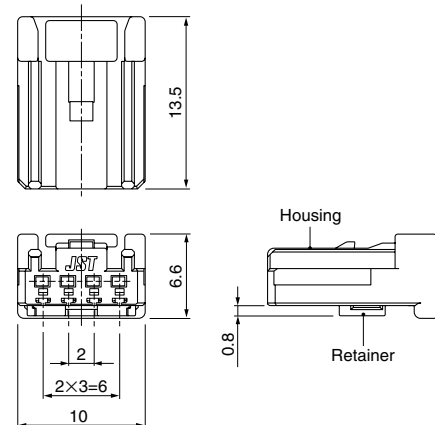


• 4 circuits

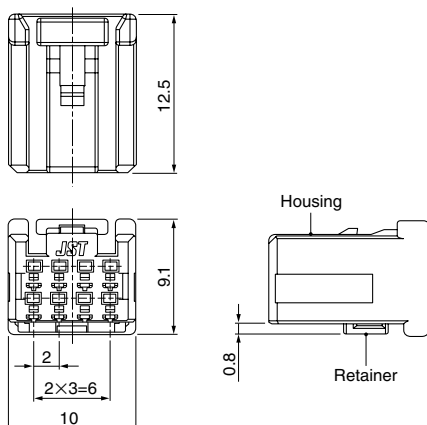
04CPT-B1-2A



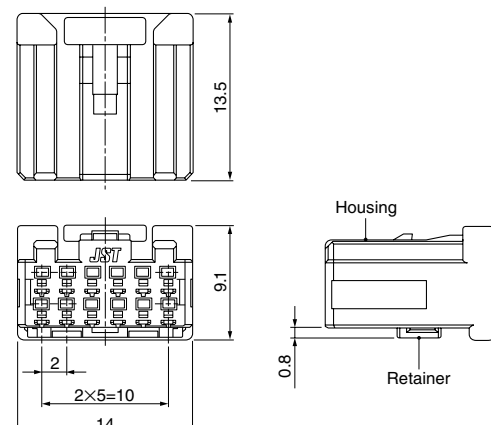
04CPT-B1-2B



• 8 circuits



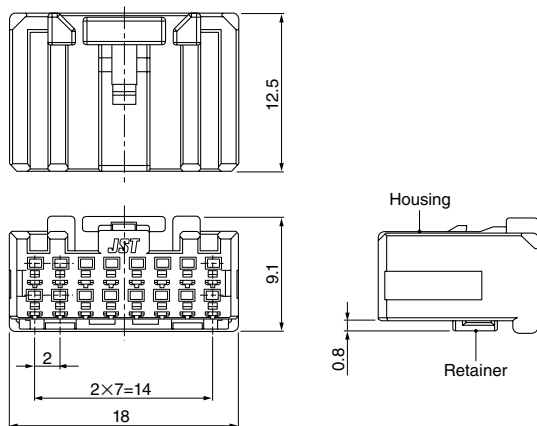
• 12 circuits



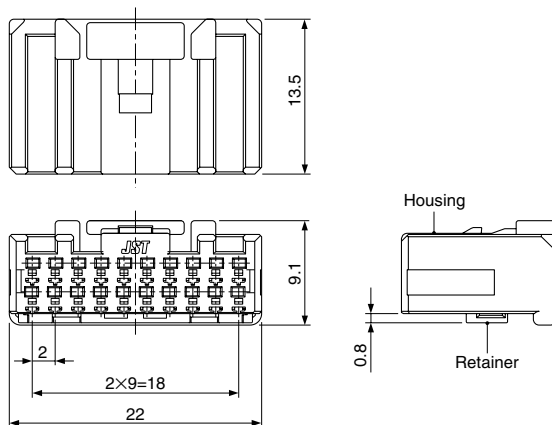
CPT CONNECTOR

Female connector

● 16 circuits



● 20 circuits



Circuits	Model No.	Q'ty/box
2	02CPT-B-2A	500
4	04CPT-B1-2A	600
	04CPT-B1-2B	
8	08CPT-B-2A	500
12	12CPT-B-2A	300
16	16CPT-B-2A	250
20	20CPT-B-2A	250

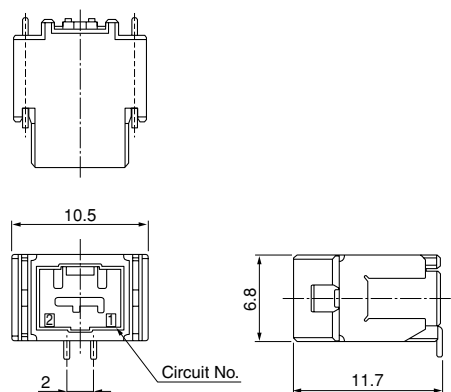
Material

Housing: Glass-filled PBT, black
Retainer: Glass-filled PBT, blue

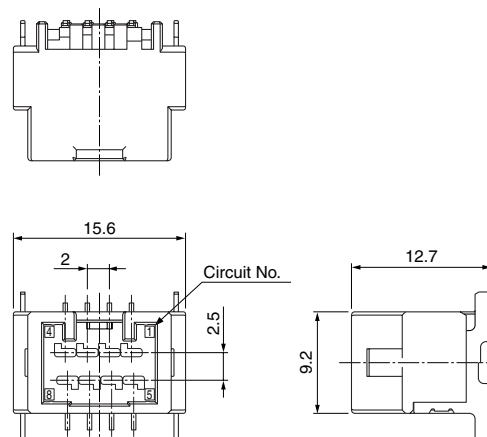
Male connector

Top entry type

• 2 circuits

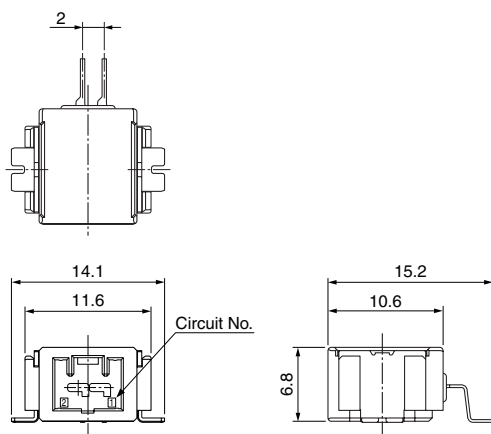


• 8 circuits



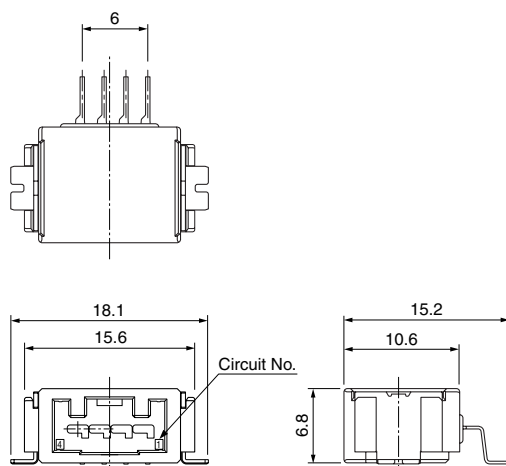
Side entry type

• 2 circuits

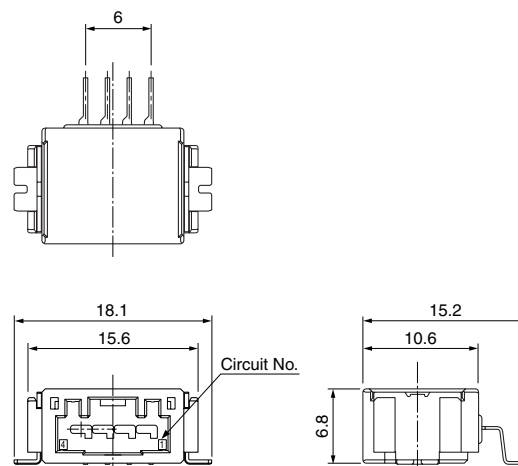


• 4 circuits

SM04B1-CPTK-1A-TB



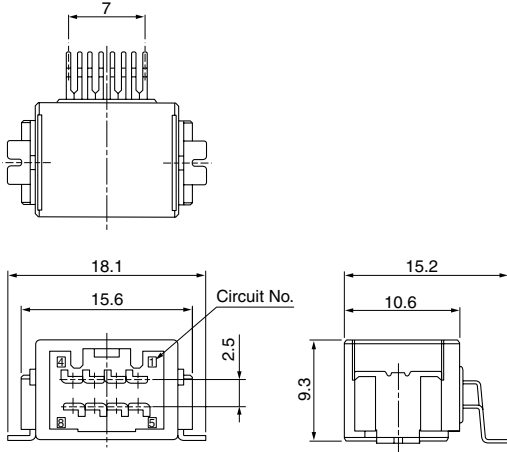
SM04B1-CPTK-1B-TB



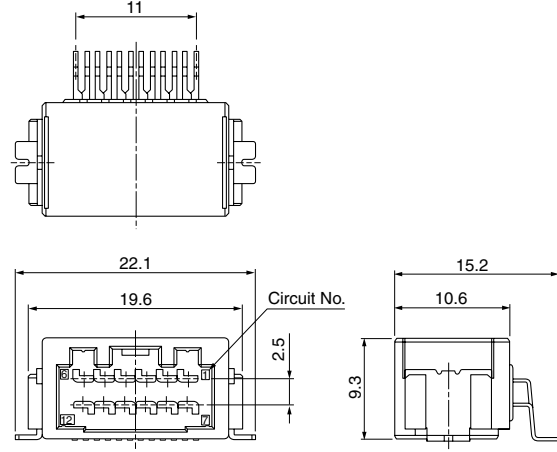
Male connector

Side entry type

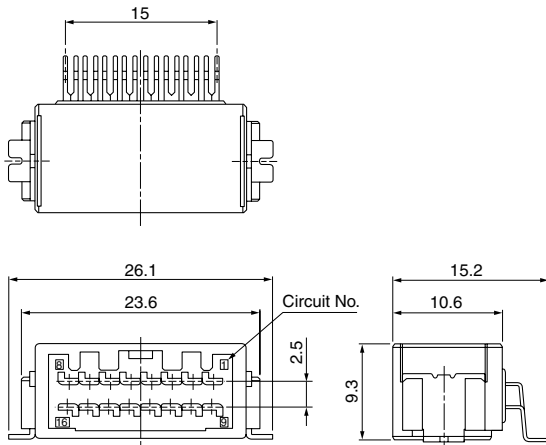
● 8 circuits



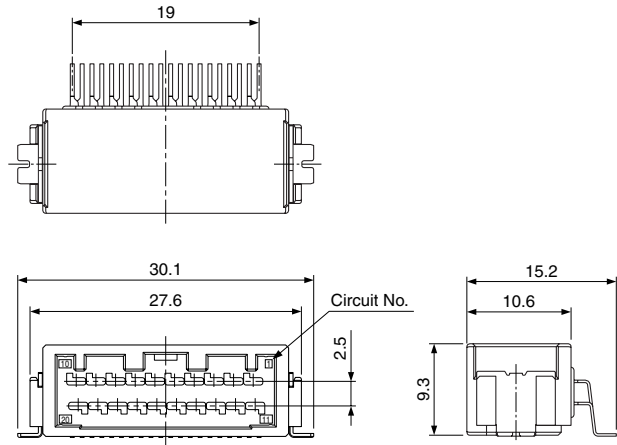
● 12 circuits



● 16 circuits



● 20 circuits



Type	Circuits	Model No.	Q'ty/reel
Top type	2	BM02B-CPTK-1A-TB	370
	8	BM08B-CPTK-1A-TB	240
Side type	2	SM02B-CPTK-1A-TB	500
	4	SM04B1-CPTK-1A-TB	500
		SM04B1-CPTK-1B-TB	
	8	SM08B-CPTK-1A-TB	390
	12	SM12B-CPTK-1A-TB	390
	16	SM16B-CPTK-1A-TB	390
	20	SM20B-CPTK-1A-TB	390

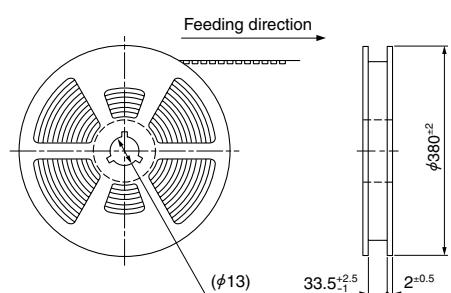
Material and Finish

Terminal: Copper alloy, nickel-undercoated,
Contact area; gold-plated
Solder tail; tin-plated (reflow treatment)
Housing: Glass-filled LCP, black
Peg: Brass, nickel-undercoated, tin-plated (reflow treatment)

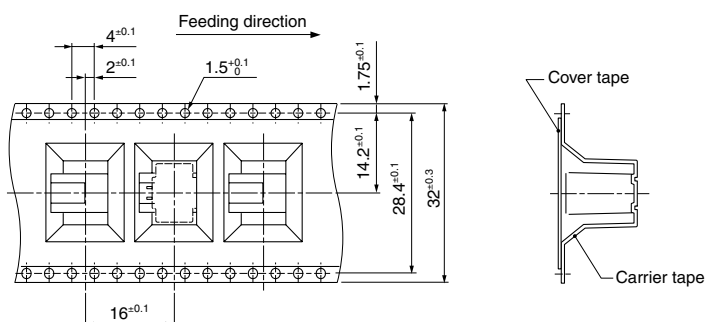
Taping Specifications

Top entry type

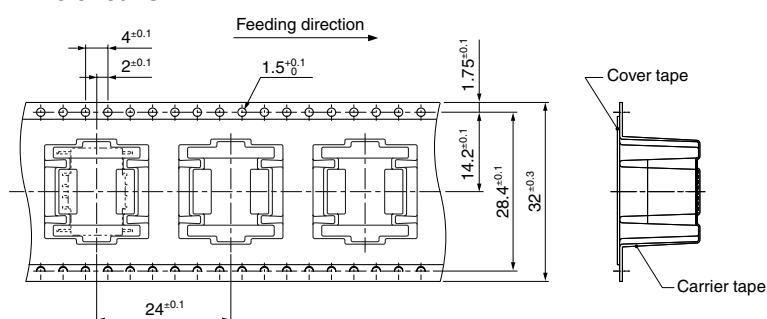
● 2, 8 circuits



● 2 circuits

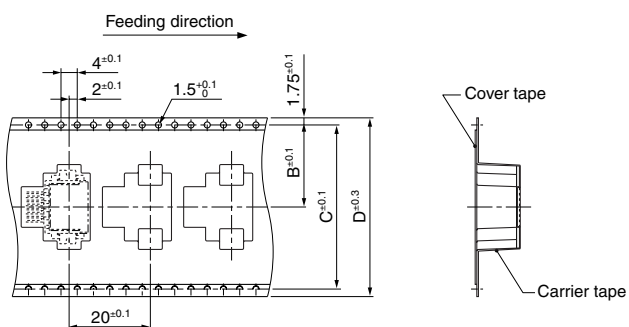
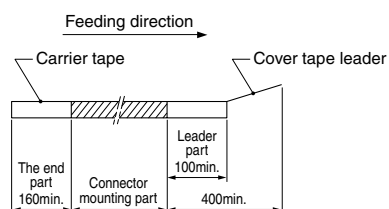
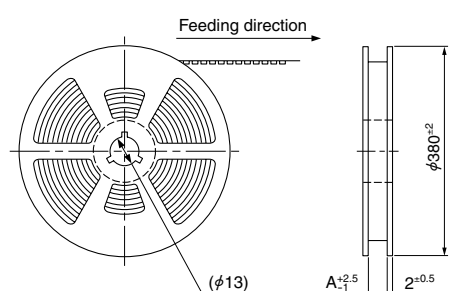


● 8 circuits



Side entry type

● 2, 4, 8, 12, 16, 20 circuits

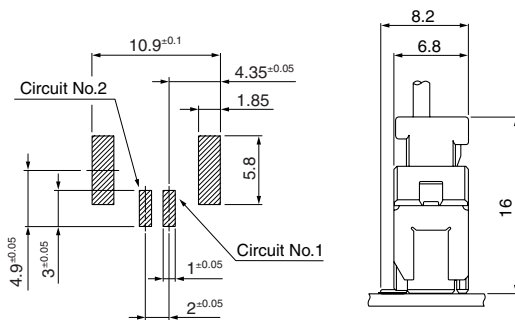


Circuits	A	B	C	D
2	33.5	14.2	28.4	32
4	33.5	14.2	28.4	32
8	45.5	20.2	40.4	44
12	45.5	20.2	40.4	44
16	45.5	20.2	40.4	44
20	45.5	20.2	40.4	44

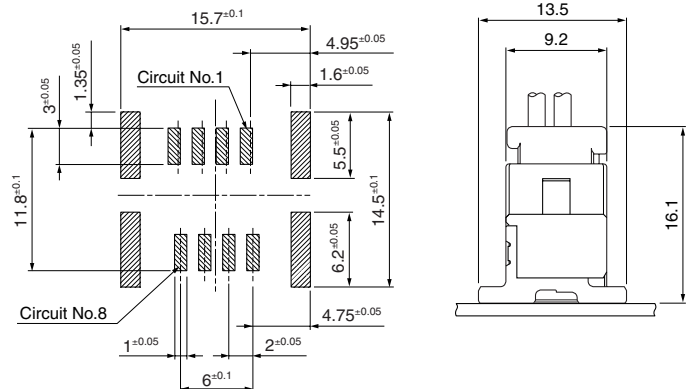
PC board layout, Assembly layout

Top entry type

● 2 circuits

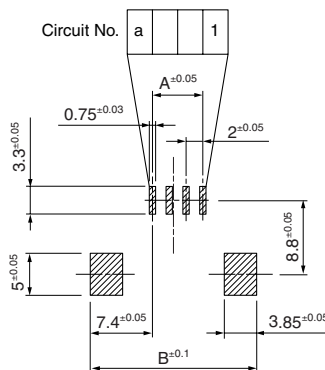
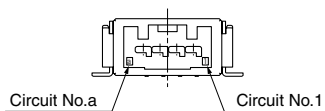


● 8 circuits



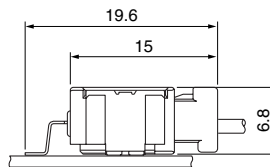
Side entry type

● 2, 4 circuits

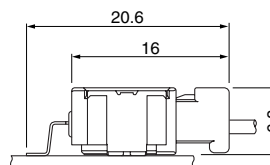


Circuits	A	B
2	2	15.8
4	6	19.8

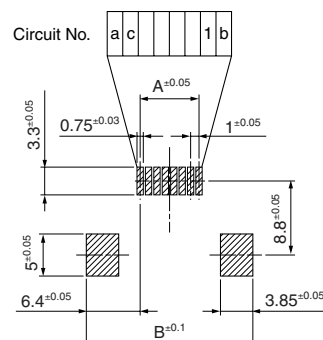
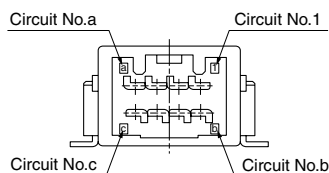
● 2 circuits



● 4 circuits

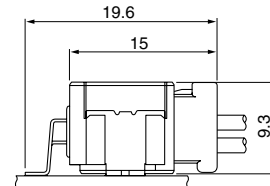


● 8, 12, 16, 20 circuits

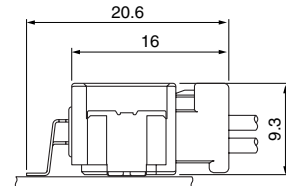


Circuits	A	B
8	7	19.8
12	11	23.8
16	15	27.8
20	19	31.8

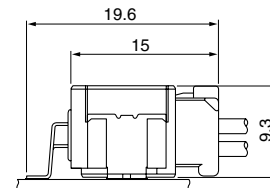
● 8 circuits



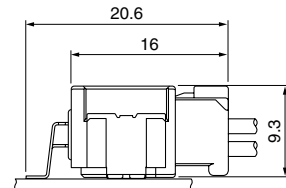
● 12 circuits



● 16 circuits



● 20 circuits



Note: 1. Tolerances are non-cumulative: $\pm 0.05\text{mm}$ for all centers.
2. The dimensions above should serve as guideline. Contact JST for details.

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SCPT-A021GF-0.5	AP-K2N	MK/SCPT-A021-05	APLMK SCPT-A021-05

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.