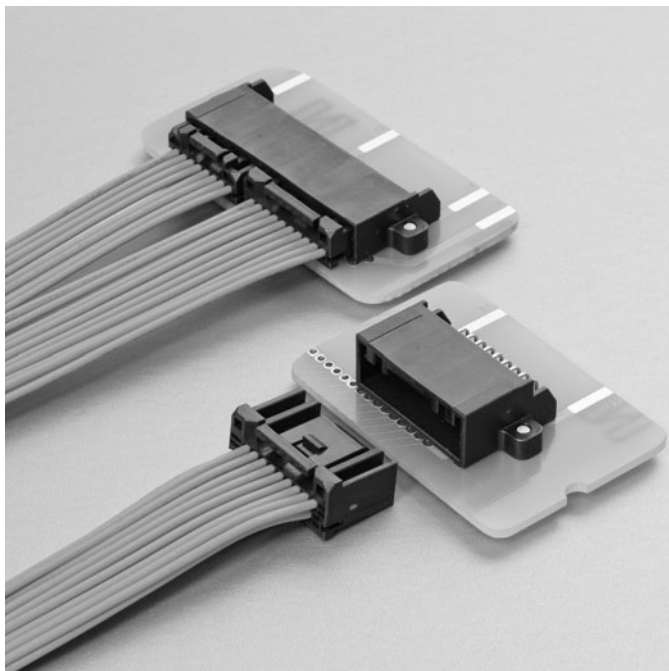


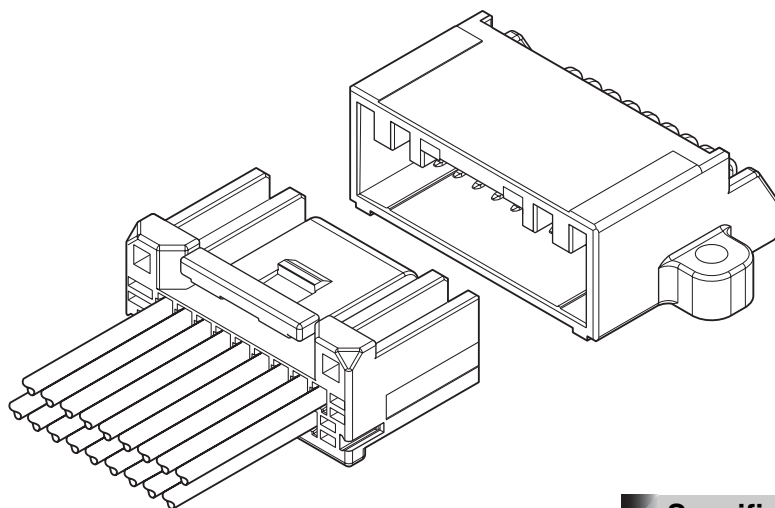


Features

● Miniaturization and Low profile

0.50 terminal with 2.0mm wide and 2.5mm long pitch is realized miniaturization and low profile.

Developed in pursuit of miniaturization and low profile as surface mounting type connector for automotive.
0.50 terminal with 2.0mm pitch realized miniaturization.

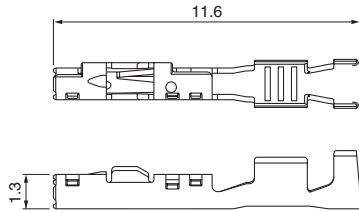


Specifications

- Current rating: 1A AC, DC (0.3mm²)
- Voltage rating: 14V AC, DC
- Temperature range: -40°C to +125°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/10mΩ max.
After environmental testing/30mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AESSX 0.3mm², AWG #22
(Insulation O.D. φ1.5mm max.)

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

Female terminal

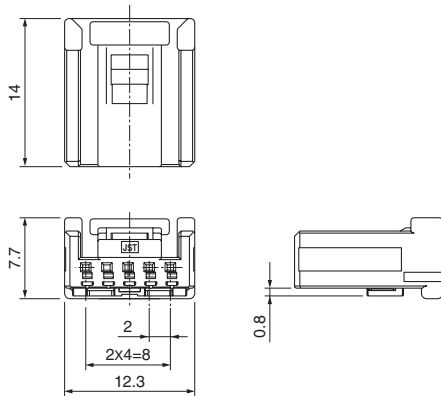


Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SMEC-A021GF-M0.5	0.3	1.5 max.	10,000
Material and Finish			
Copper alloy, nickel-undercoated, Contact area; gold-plated Barrel area; tin-plated			

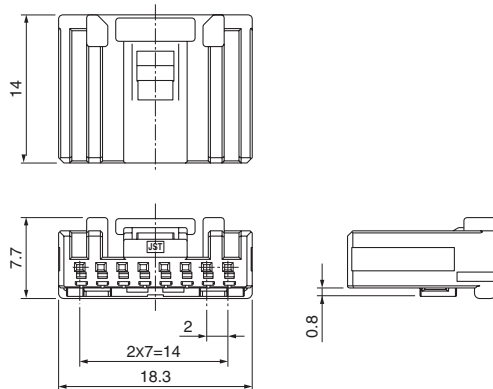
Female connector

Single row

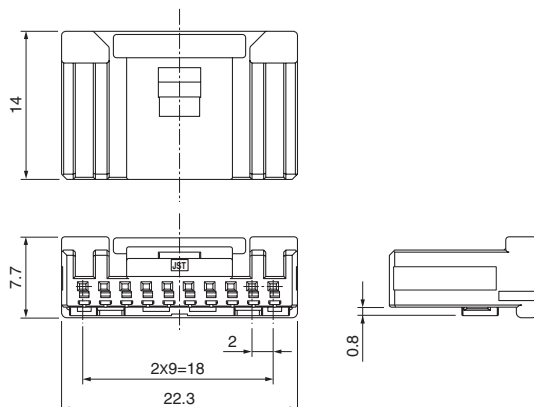
• 5 circuits



• 8 circuits

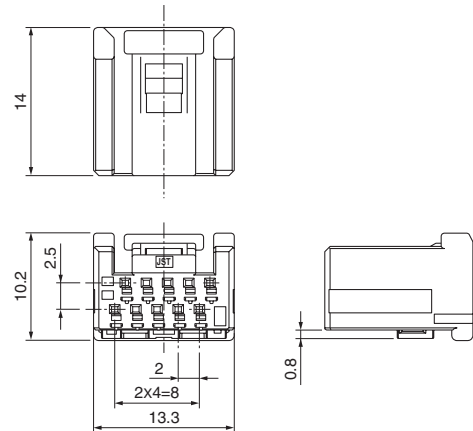


• 10 circuits

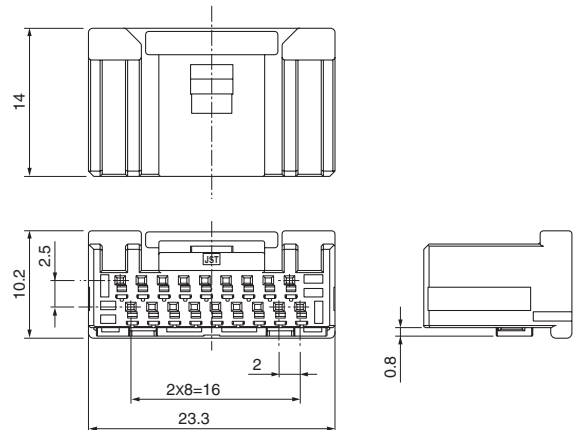


Double row

• 10 circuits



• 18 circuits

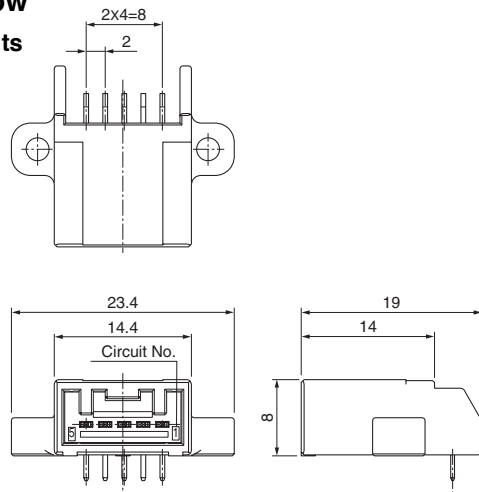


Type	Circuits	Model No.	Q'ty/box
Single row	5	05MEC-B-1A	400
	8	08MEC-B-1A	300
	10	10MEC-B-1A	200
Double row	10	10MEC-B-2A	250
	18	18MEC-B-2A	150
Material and Finish			
Female housing: Glass-filled PBT, black Retainer: Glass-filled PBT, blue			

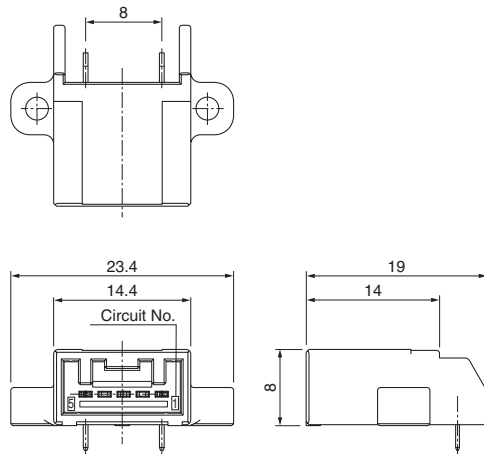
Male connector

Single row

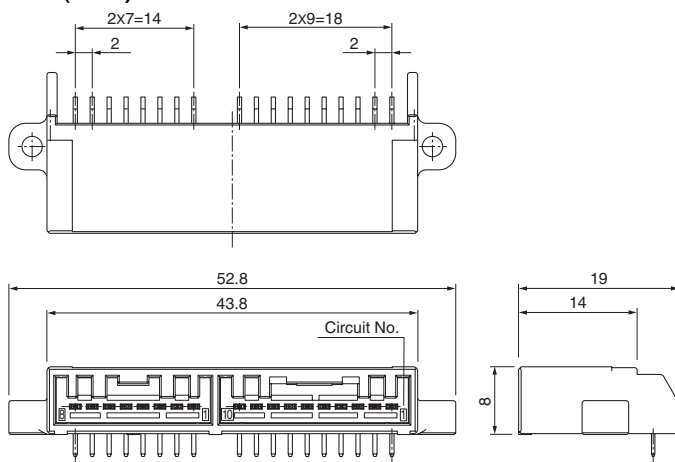
• 5 circuits



• 5 circuits (plugged up)

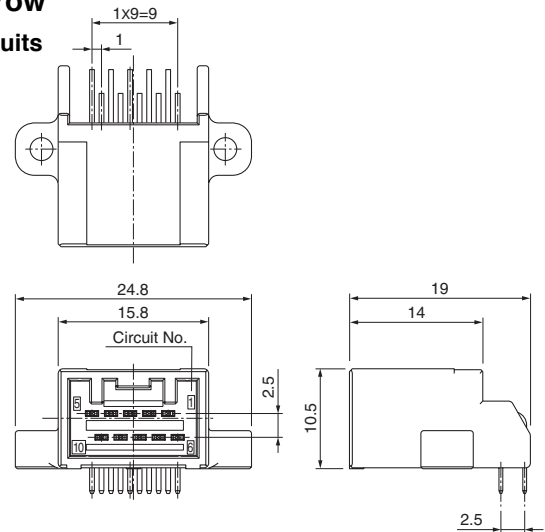


• 18 (10+8) circuits

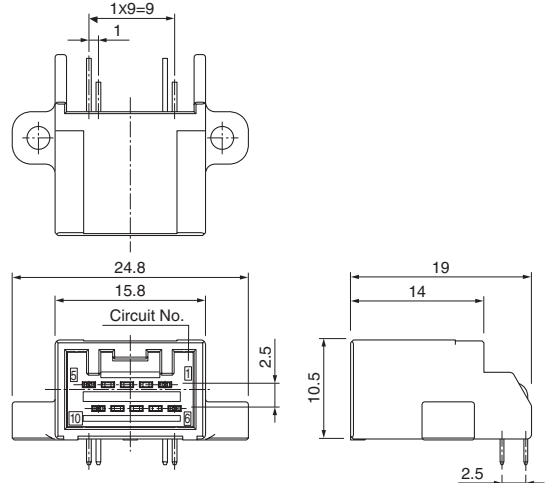


Double row

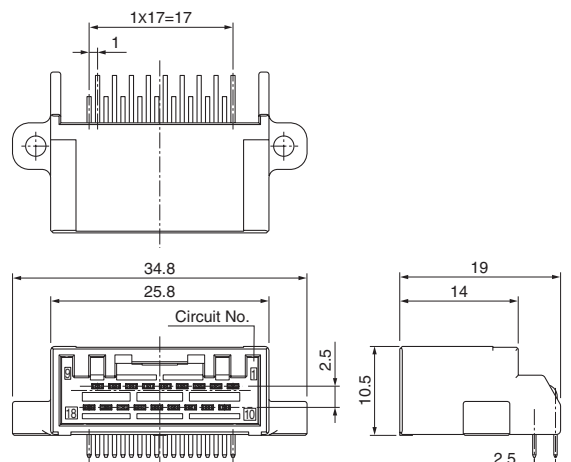
• 10 circuits



• 10 circuits (plugged up)



• 18 circuits



Type	Circuits	Model No.	Q'ty/box
Single row	5	S05B-MECK-1GA-A	700
	Note) 5	S05B-MECK-1GA-B	700
	18 (10+8)	S18B-MECK-1GA-A	350

Material and Finish

Male housing: Glass-filled PBT, black
 Male terminal: Copper alloy, nickel-undercoated,
 Contact area; gold-plated
 Barrel area; tin-plated (reflow treatment)

Type	Circuits	Model No.	Q'ty/box
Double row	10	S10B-MECK-2GA-A	504
	Note) 10	S10B-MECK-2GA-B	504
	18	S18B-MECK-2GA-A	392

Material and Finish

Male housing: Glass-filled PBT, black
 Male terminal: Copper alloy, nickel-undercoated,
 Contact area; gold-plated
 Barrel area; tin-plated (reflow treatment)

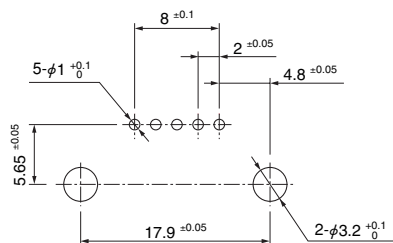
Note: Plugged up

Note: Plugged up

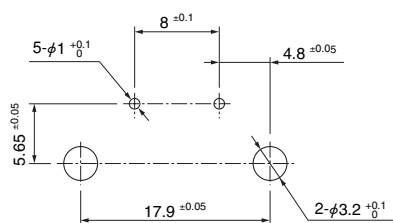
PC board layout, Assembly layout

Single row

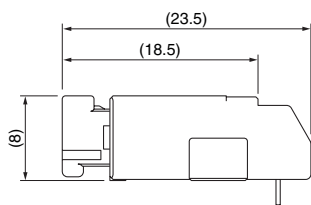
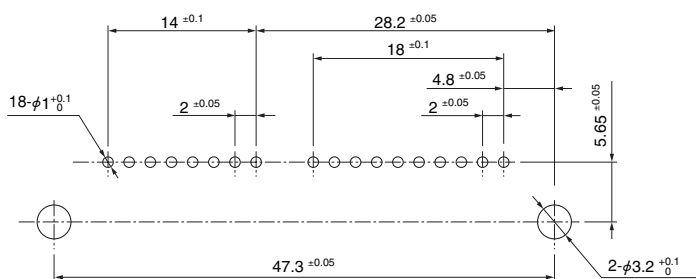
• 5 circuits



• 5 circuits (plugged up)

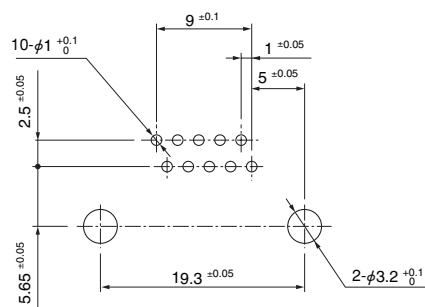


• 18 (10+8) circuits

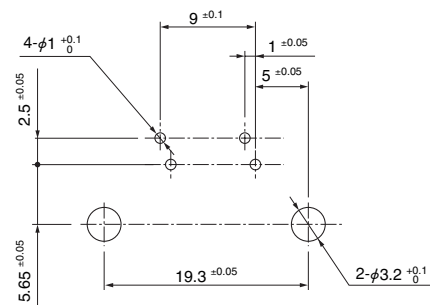


Double row

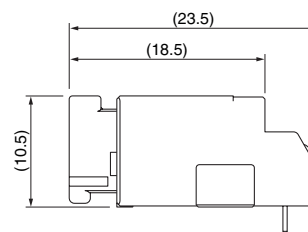
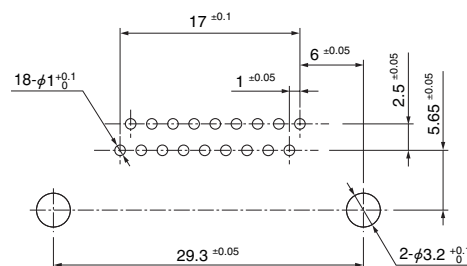
• 10 circuits



• 10 circuits (plugged up)



• 18 circuits



Note: 1. Tolerances are non-cumulative: $\pm 0.05\text{mm}$ for all centers.
2. Hole dimensions differ according to the type of PC board and piercing method.
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
SMC-A021GF-M0.5	AP-K2N	MK/SMC-A021-05	APLMK SMC-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.