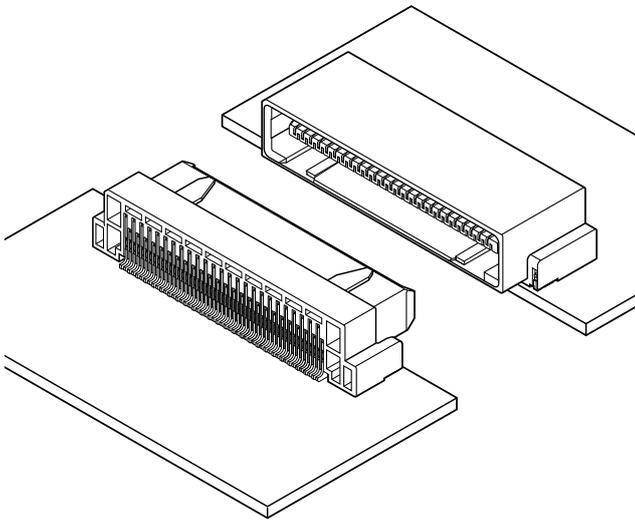


JXV CONNECTOR

1.27mm pitch/Board-to-board connectors



This connector is board-to-board connector that the flat horizontal connection between boards enables in electronic equipment. For SMT type of high-density 1.27 mm pitch, the rating current of industry leading 1.0 A has been enabled. This connector is firm, good mating feeling and most suitable for connecting function board to the same horizontal direction.

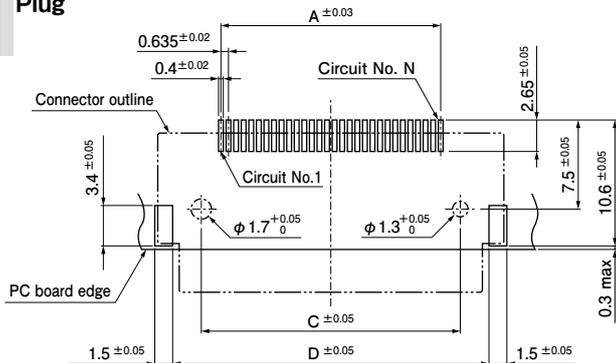
- Flat horizontal connection between boards with step "0"
- The rating current of industry leading 1.0 A with SMT type of high-density 1.27 mm pitch is enabled.
- The solder tail is designed as in-line concept, considering about PC board pattern and bridge repair.
- Double 4 faces shrouded toughness housing
- Large insertion guide to support easily and secure mating operation
- Outstanding mating feeling
- Gold-plated contact of long mating stroke provides stable contact reliability

Specifications

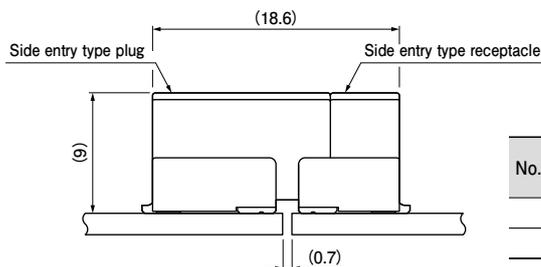
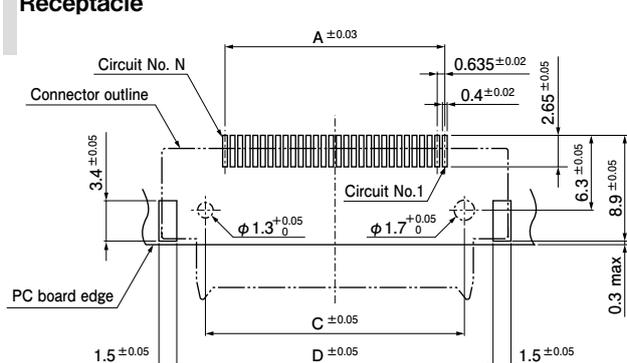
- Current rating: 1.0 A AC, DC
 - Voltage rating: 50 V AC, DC
 - Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
 - Contact resistance: Initial value / 50 mΩ max.
After environmental tests/ 100 mΩ max.
 - Insulation resistance: 50 MΩ min.
 - Withstanding voltage: 100 VAC/minute
 - PC board connecting method: Horizontal (step "0")
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.
* Compliant with RoHS.

PC board layout and Assembly layout

Plug



Receptacle

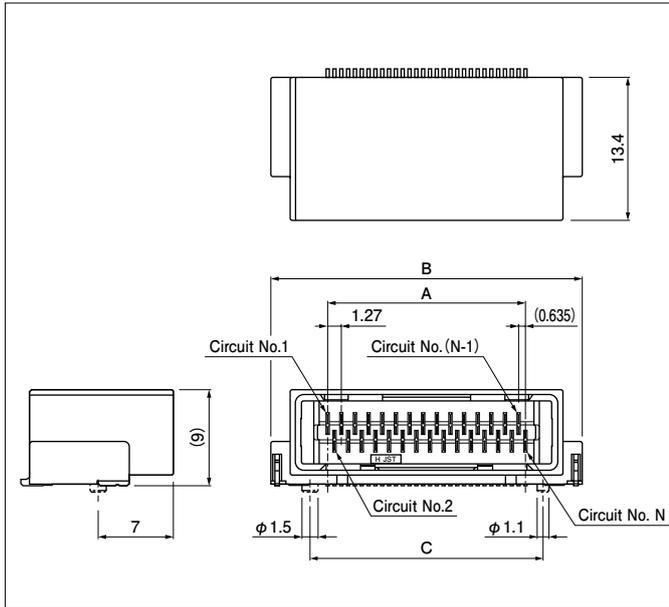


No. of circuits	Dimensions (mm)		
	A	C	D
30	18.415	21.7	26.5
50	31.115	34.4	39.2

Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ± 0.03 mm for all centers. The dimensions above should serve as a guideline. Contact JST for details.

JXV CONNECTOR

Plug



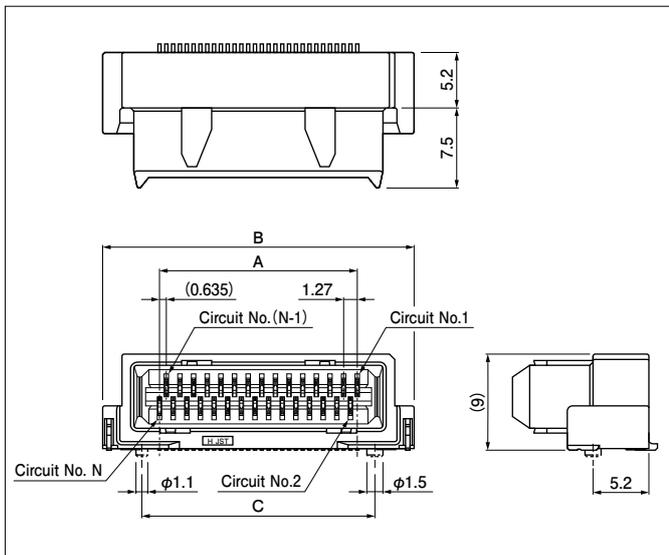
No. of circuits	Model No.		Dimensions (mm)			Q'ty/box
	With boss	Without boss	A	B	C	
30	30PS-JXVK-G-B	30PS-JXVK-G	18.415	29.0	21.7	833
50	50PS-JXVK-G-B	—	31.115	41.7	34.4	595

Material and Finish

Contact: Copper alloy, nickel-undercoated, gold-plated
Housing: Heat resisting resin, UL94V-0, black
Reinforcing tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

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

Receptacle



No. of circuits	Model No.		Dimensions (mm)			Q'ty/box
	With boss	Without boss	A	B	C	
30	30RS-JXVK-G-B	30RS-JXVK-G	18.415	29.0	21.7	833
50	50RS-JXVK-G-B	—	31.115	41.7	34.4	595

Material and Finish

Contact: Copper alloy, nickel-undercoated, gold-plated
Housing: Heat resisting resin, UL94V-0, black
Reinforcing tab: Copper alloy, copper-undercoated, tin-plated (reflow treatment)

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

Model number allocation

Plug

50 PS - JXV K - G - B	
No. of circuits: 30, 50	
Part name: Side type Plug	
Series name	
Color: K...Black	
Surface finish: Nickel-undercoated gold-plated	
Shape: B...With boss, None...Without boss	

Receptacle

50 RS - JXV K - G - B	
No. of circuits: 30, 50	
Part name: Side type Receptacle	
Series name	
Color: K...Black	
Surface finish: Nickel-undercoated gold-plated	
Shape: B...With boss, None...Without boss	