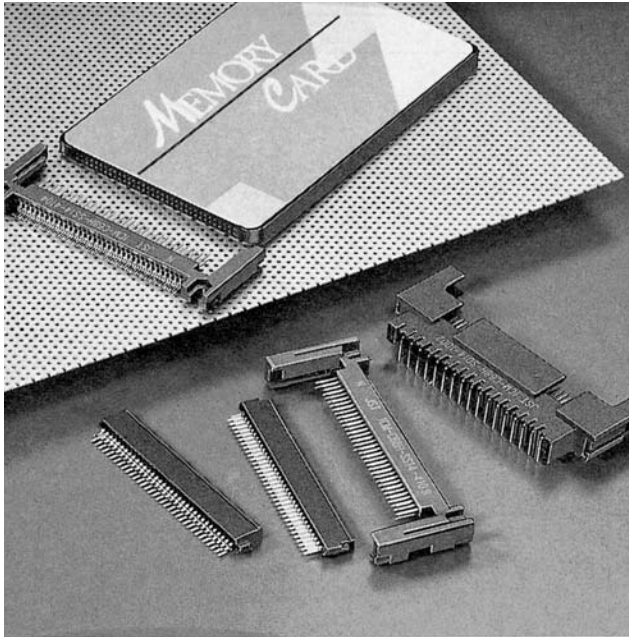


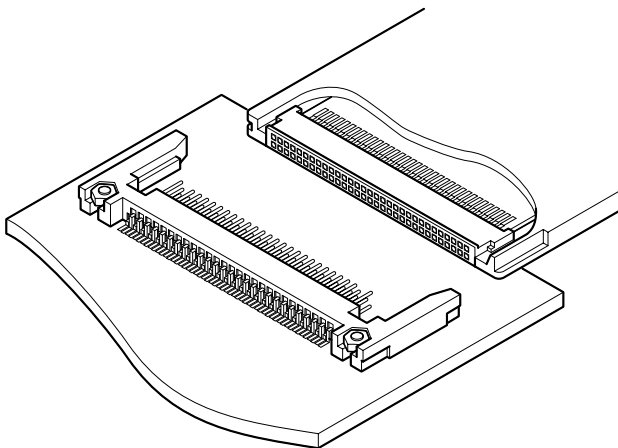
**JST**PC  
Card**1.27mm**  
pitch

# PC CARD CONNECTOR C TYPE

68-circuit PC card connectors



**1.27 mm pitch 68-circuit connector for PC cards.**



## Features

- Header pins are designed to be protected against static electricity
- **Easy inspection and touch-up after reflow soldering**  
The SMT type header is 0.635 mm pitch, with single row solder tails positioned so that inspection and touch-up after reflow soldering is easy.
- **Socket**  
Two mounting methods, dual row straddle type and in line SMT type with variation of PC board offset distance. Newly lined up springy grounding pin type socket provides easy but stable grounding circuit connection between PC board to metal section of card frame by springy No.1 and No.35 grounding pins.
- **Applicable to low-voltage (3.3 V) card**  
Headers for type III cards have a groove to be applicable to the low-voltage (3.3 V) cards.

## Specifications

- Current rating: 0.5 A AC, DC/line
  - Temperature range: -40°C to +85°C  
(including temperature rise in applying electrical current)
  - Contact resistance: Initial value/ 40 mΩ max.  
After environmental tests/ 20 mΩ max.  
(variation from initial value)
  - Withstanding voltage: 500 VAC/minute
  - Insulation resistance: 1,000 MΩ min. (Initial)
  - Durability: 10,000 cycles
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.  
\* Contact JST for details.  
\* Compliant with RoHS.

## Standards

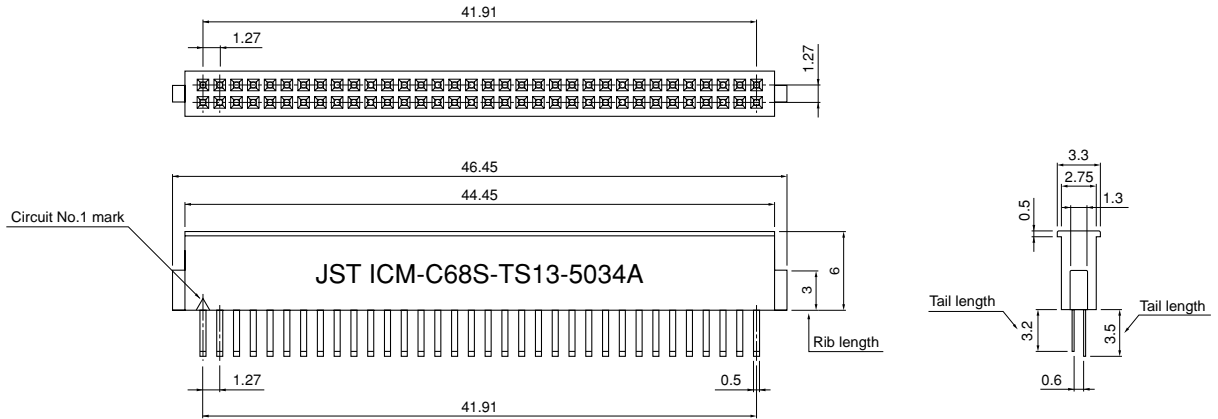
 Recognized E60389

 Certified LR20812

# PC CARD CONNECTOR C TYPE

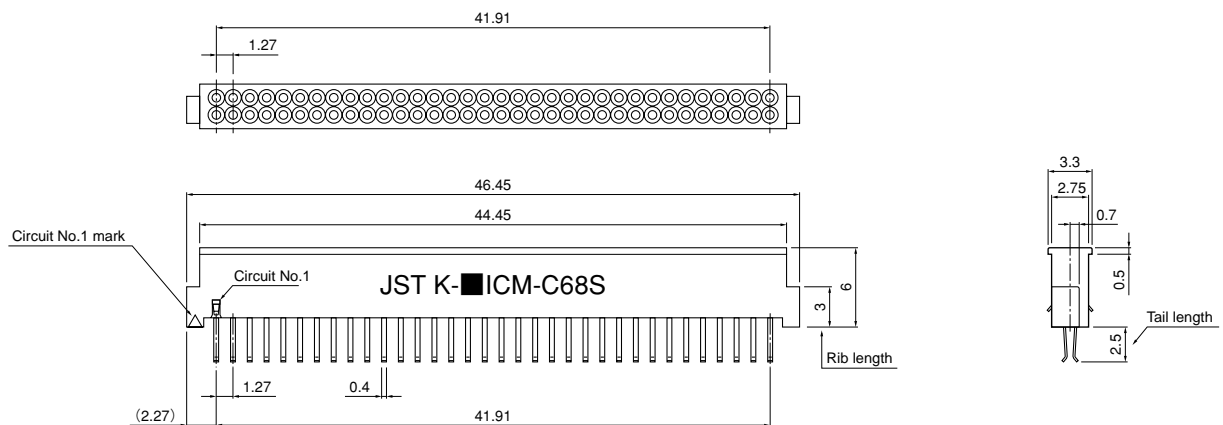
## Socket

### Dual-row straddle type



### Dual-row straddle type with GND spring

#### ICM-C68S-TS13-6032



Circuits	Solder tail	GND spring	Offset dimensions	Rib length (mm)	Tail length (mm)	Model No.	Q'ty/box	Material and Finish
68	Dual-row straddle type	Without	Center	3.0	3.2, 3.5	ICM-C68S-TS13-5034A	480	Contact: Copper alloy, nickel-undercoated, Mating part: gold-plated Solder tail: tin-plated (reflow treatment) Housing: PA 6T, UL94V-0, black
		With (Circuit No.1, No.35)	Center	3.0	2.5	ICM-C68S-TS13-6032	360	Contact: Copper alloy, nickel-undercoated, Mating part: gold-plated Solder tail: tin-plated (reflow treatment) Grounding spring: Copper alloy, nickel-undercoated, gold-plated

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

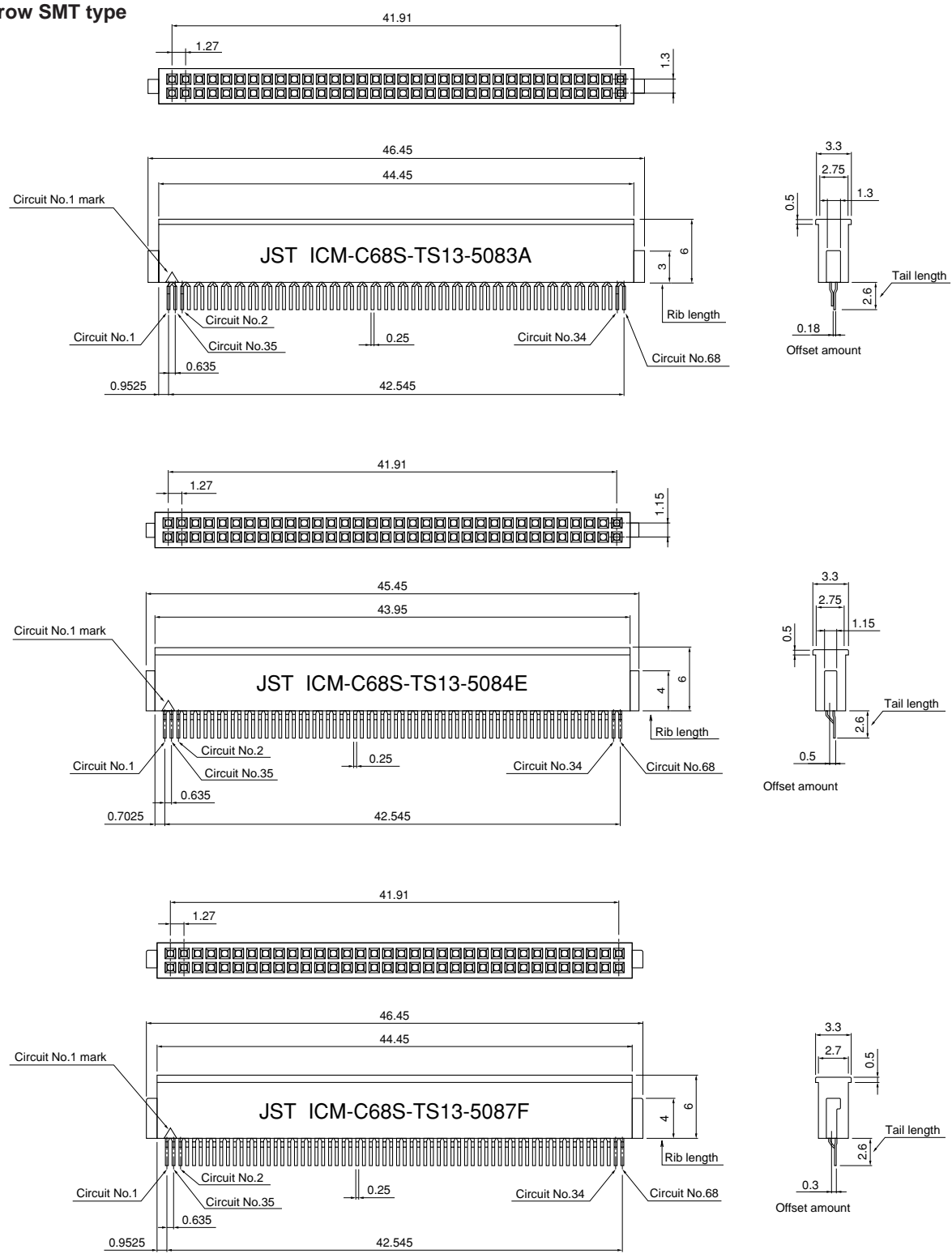
Note: 1. ICM-C68S-TS13-5033A, ICM-C68S-TS13-5034A and ICM-C68S-TS13-5073A are not approved by UL/CSA.

2. ICM-C68S-TS13-6032 is not approved by CSA.

PC CARD CONNECTOR C TYPE

Socket

Single-row SMT type



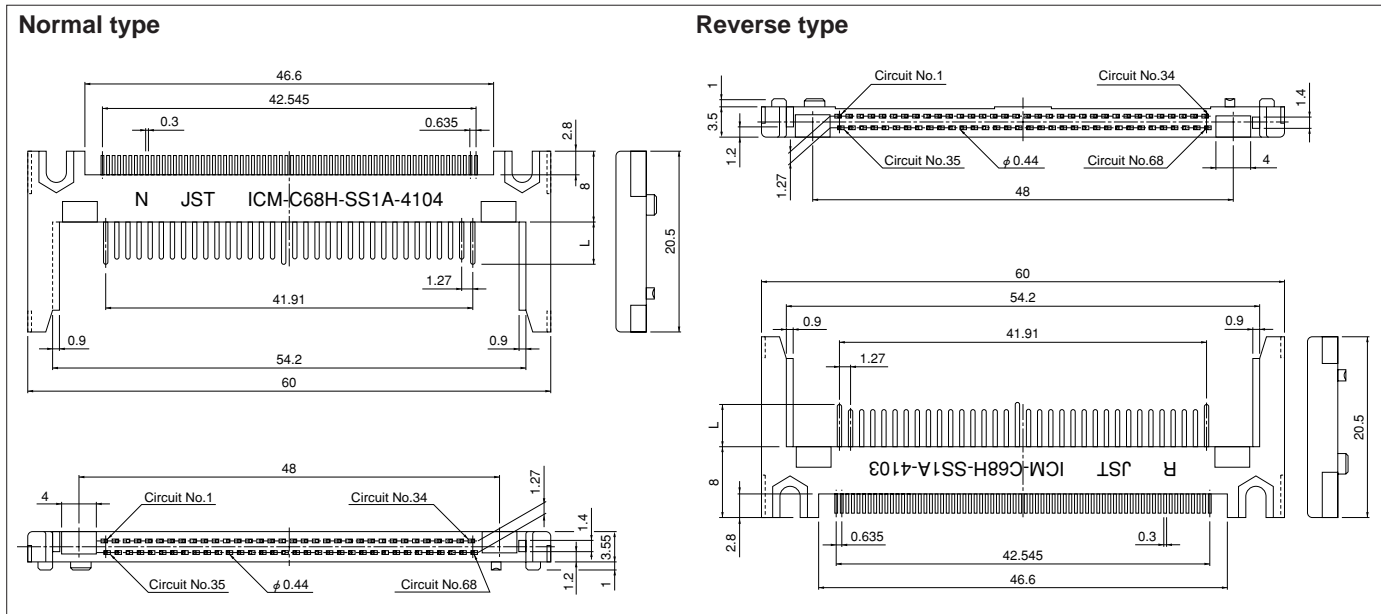
Circuits	Solder tail	GND spring	Offset dimensions (mm)	Rib length (mm)	Tail length (mm)	Model No.	Q'ty	Material and Finish
68	Single-row SMT type	Without	0.18	3.0	2.6	ICM-C68S-TS13-5083A	360/box	Contact: Copper alloy, nickel-undercoated, Mating part: gold-plated Solder tail: tin-plated (reflow treatment) Housing: PA 6T, UL94V-0, black
			0.5	4.0	2.6	ICM-C68S-TS13-5084ET	1,500/reel	
			0.3	4.0	2.6	ICM-C68S-TS13-5087FT	1,500/reel	

RoHS compliance This product displays (LF)(SN) on a label.  
Note: 1. ICM-C68S-TS13-5084ET & ICM-C68S-TS13-5087FT are supplied on embossed-tape.  
2. Not UL/CSA approved.



# PC CARD CONNECTOR C TYPE

## Header / SMT type (for Type I cards)

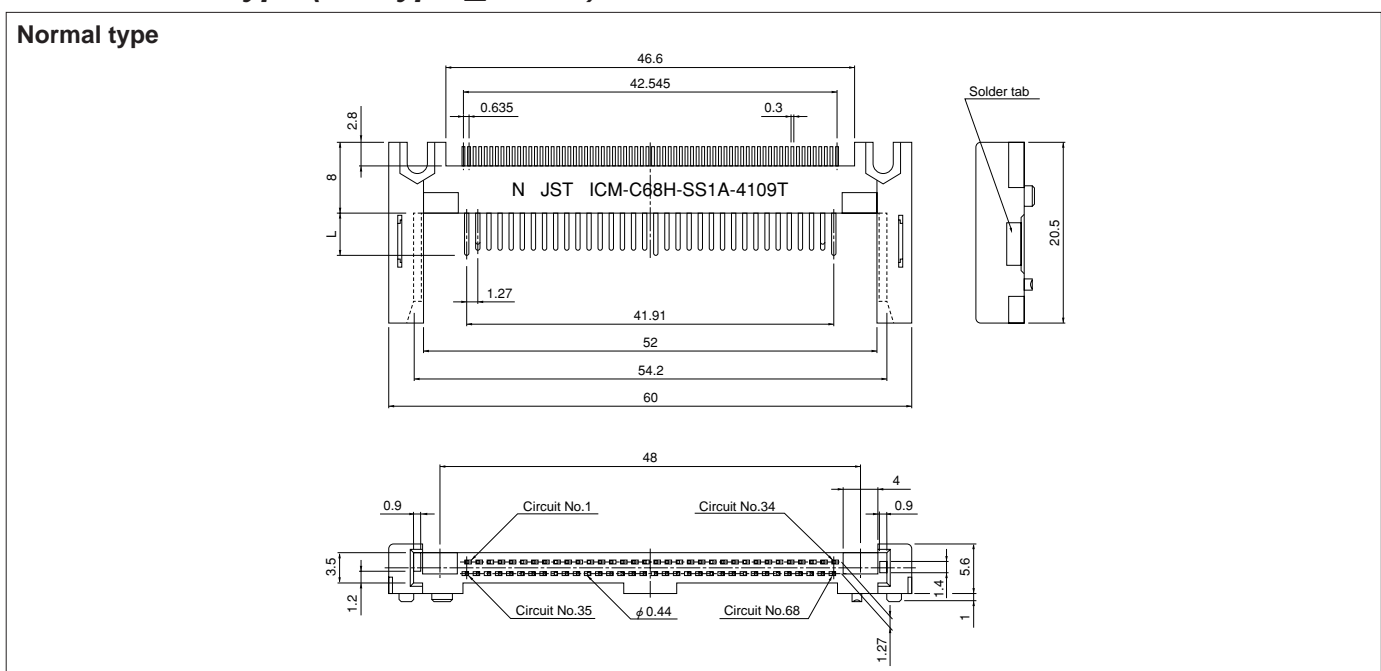


Circuits	Type	Model No.	Q'ty/box	Material and Finish
68	Normal	<b>ICM-C68H-SS1A-4104</b>	110	Contact: Phosphor bronze, nickel-undercoated, Mating part: gold-plated
	Reverse	<b>ICM-C68H-SS1A-4103</b>		Solder tail: tin-plated (reflow treatment) Housing: PPS, UL94V-0, natural

Dimension L	
Circuit No.	Dimensions (mm)
1, 17, 34, 35, 51, 68	5.0 ±0.1
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25 ±0.1
36, 37	3.5 ±0.1

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

## Header / SMT type (for Type II cards)



Circuits	Type	Model No.	Q'ty/box	Material and Finish
68	Normal	<b>ICM-C68H-SS1A-4109T</b>	80	Contact: Phosphor bronze, nickel-undercoated, Mating part: gold-plated Solder tail: tin-plated (reflow treatment) Solder tab: Phosphor bronze, copper-undercoated, tin-plated (reflow treatment) Housing: PPS, UL94V-0, natural

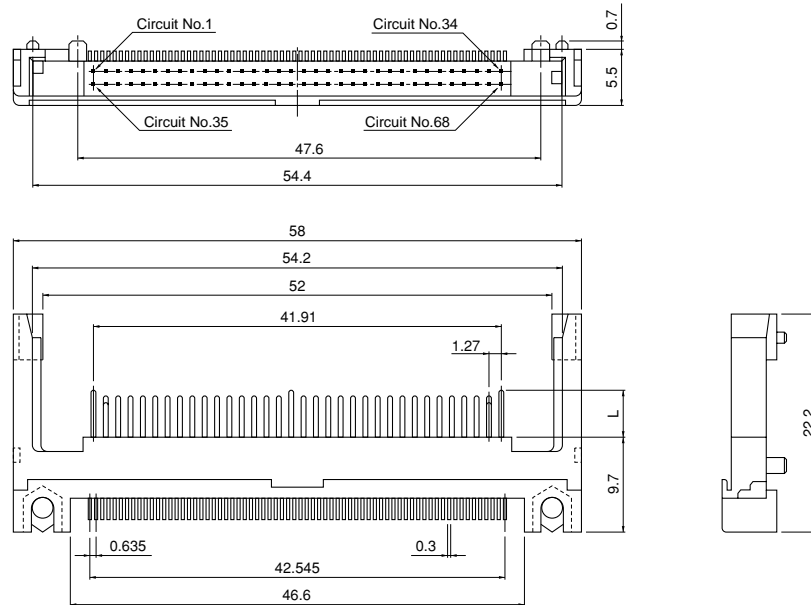
Dimension L	
Circuit No.	Dimensions (mm)
1, 17, 34, 35, 51, 68	5.0 ±0.1
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25 ±0.1
36, 37	3.5 ±0.1

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

# PC CARD CONNECTOR C TYPE

## Header / SMT type for 3.3 V (for Type III cards)

### Reverse type (Standoff 0 mm)



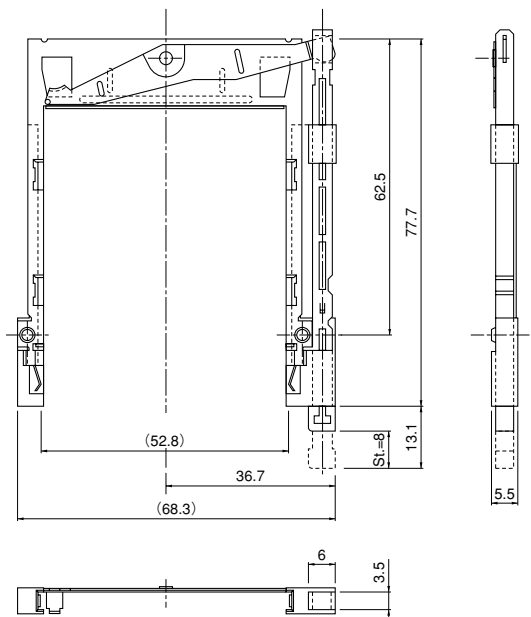
Circuits	Type	Model No.	Q'ty/box	Material and Finish
68	Reverse	ICM-C68H-S112-400R1	90	Contact: Phosphor bronze, nickel-undercoated, Mating part; gold-plated Solder tail; tin-plated (reflow treatment) Housing: PA 6T, UL94V-0, black

Dimension L	
Circuit No.	Dimensions (mm)
1, 17, 34, 35, 51, 68	5.0 ±0.1
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25 ±0.1
36, 37	3.5 ±0.1

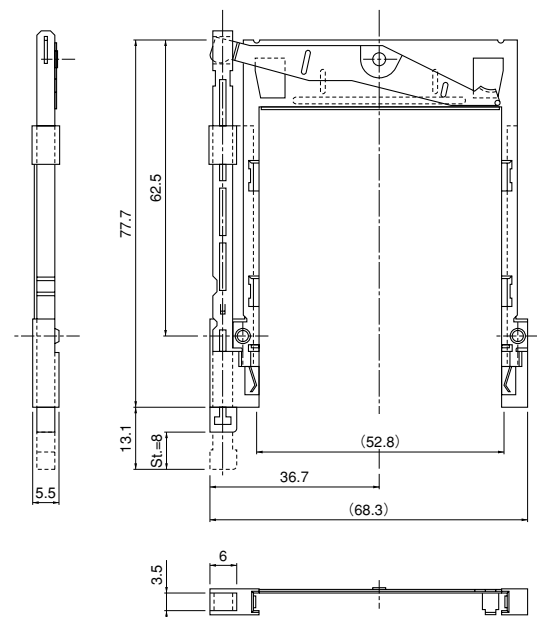
**RoHS compliance** This product displays (LF)(SN) on a label.  
Not UL/CSA approved.

## Ejector / SMT type (for Type III cards)

### Right button (Standoff 0 mm)



### Left button (Standoff 0 mm)



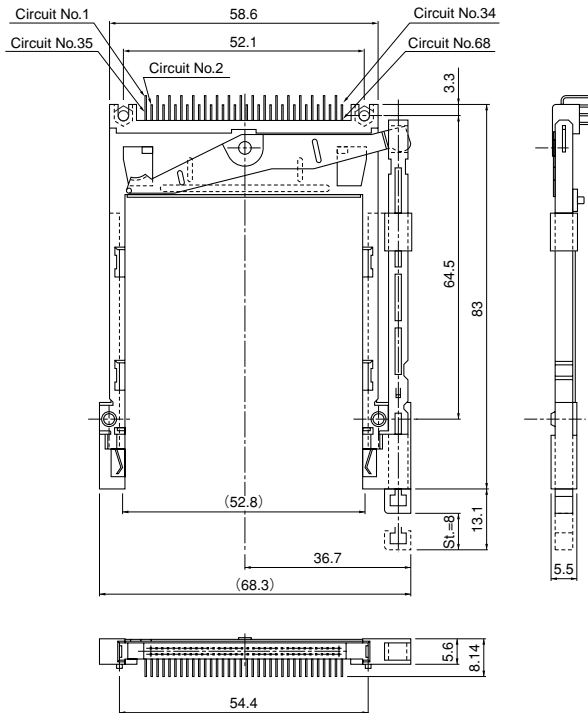
Stand off	Type	Model No.	Applicable header	Q'ty/box	Material and Finish
0 mm	Right button	ICME-C68R-300HA	ICM-C68H-S112-400R1	20	Guide bar, Push bar: PBT, UL94V-0 Frame, Rotating arm: Stainless Eyelet: Copper alloy
	Left button	ICME-C68L-300HA			

**RoHS compliance** Ejector displays A on a label. (A shows space.)  
Application header displays (LF)(SN) on a label.  
Not UL/CSA approved.

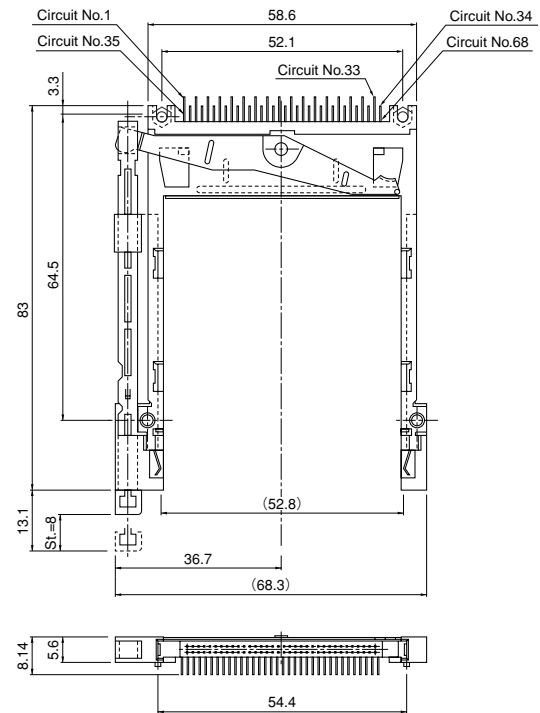
# PC CARD CONNECTOR C TYPE

## Ejector mounted header / Through-hole type for 3.3 V (for Type III cards)

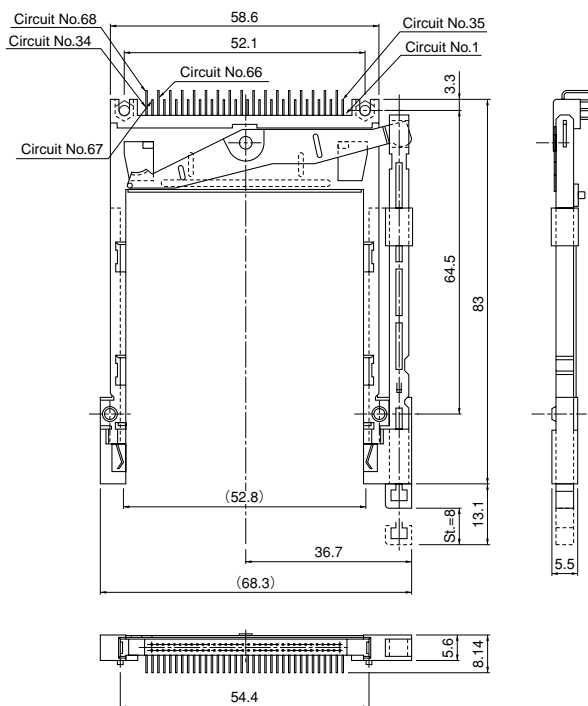
Right button (Standoff 0 mm) Normal



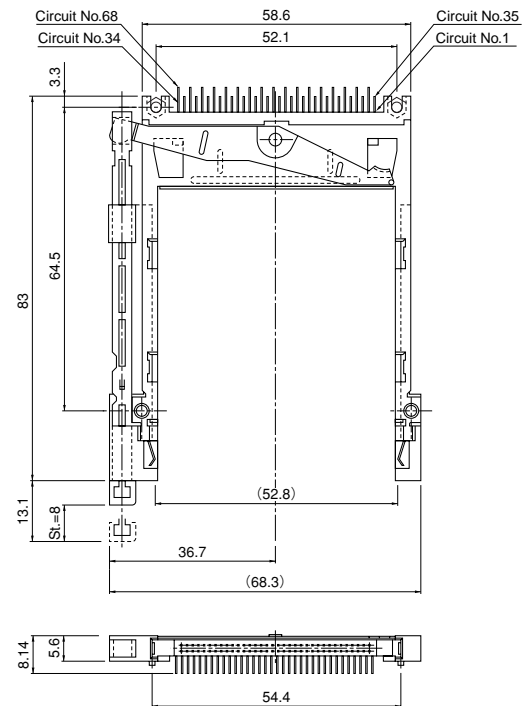
Left button (Standoff 0 mm) Normal



Right button (Standoff 0 mm) Reverse



Left button (Standoff 0 mm) Reverse



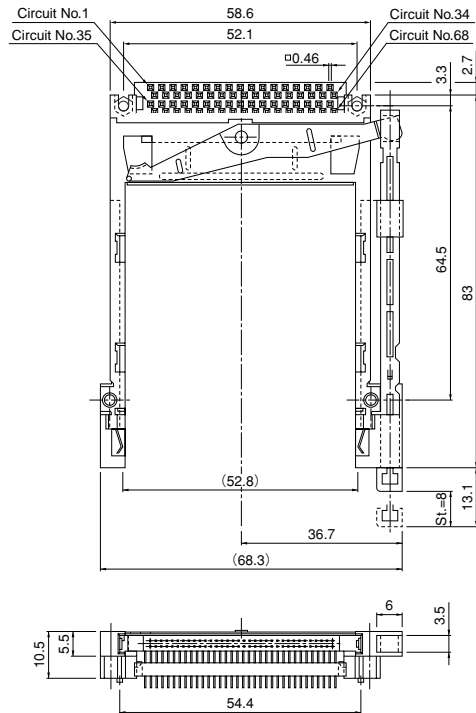
Type	Model No.	Q'ty/box	Material and Finish	
Normal	Right button	—	Contact: Phosphor bronze, nickel-undercoated, Mating part: gold-plated Solder tail: tin-plated (reflow treatment)	Guide bar: PBT, UL94V-0 Frame: Stainless Rotating arm: Stainless Push bar: PBT, UL94V-0 Eyelet: Copper alloy
	Left button			
Reverse	Right button	—	Housing: PBT, UL94V-0	
	Left button			

**RoHS compliance** This product displays (LF)(SN) A on a label.  
Not UL/CSA approved.

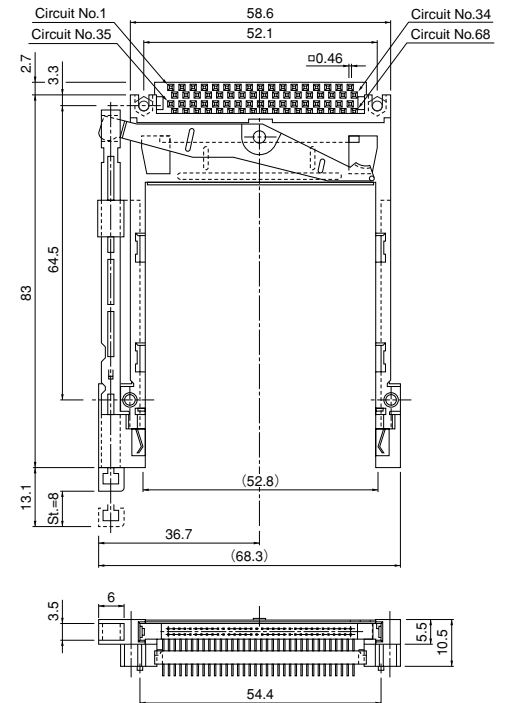
# PC CARD CONNECTOR C TYPE

## Ejector mounted header / Through-hole type for 3.3 V (for Type III cards)

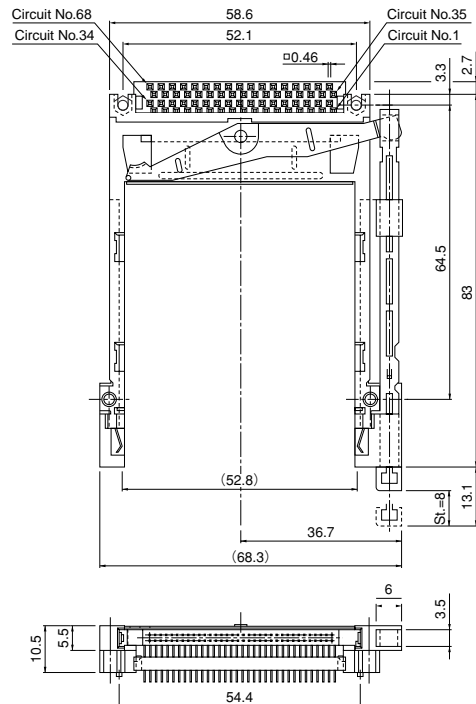
Right button (Standoff 5 mm) Normal



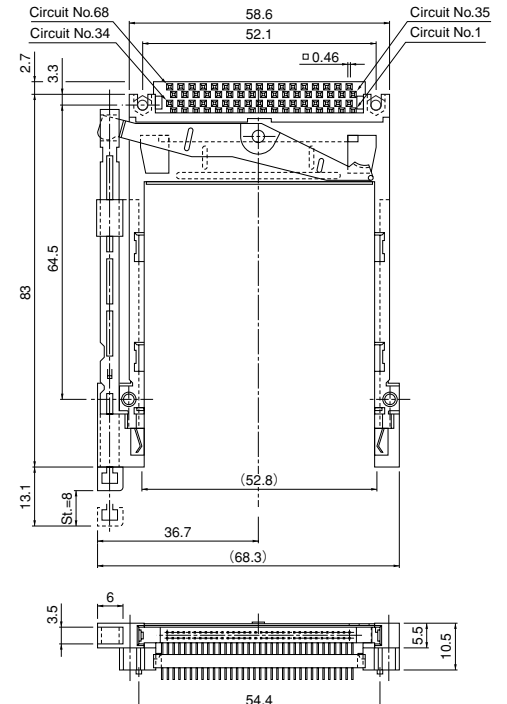
Left button (Standoff 5 mm) Normal



Right button (Standoff 5 mm) Reverse



Left button (Standoff 5 mm) Reverse



Type		Model No.	Q'ty/box	Material and Finish	
Normal	Right button	ICME68H-R0-D1121NHA	—	Contact: Phosphor bronze, nickel-undercoated, Mating part; gold-plated Solder tail; tin-plated (reflow treatment)  Housing: PBT, UL94V-0 Locator: PBT, UL94V-0	Guide bar: PBT, UL94V-0
	Left button	ICME68H-L0-D1121NHA			Frame: Stainless
Reverse	Right button	ICME68H-R0-D1121RHA	—		Rotating arm: Stainless
	Left button	ICME68H-L0-D1121RHA			Push bar: PBT, UL94V-0 Eyelet: Copper alloy

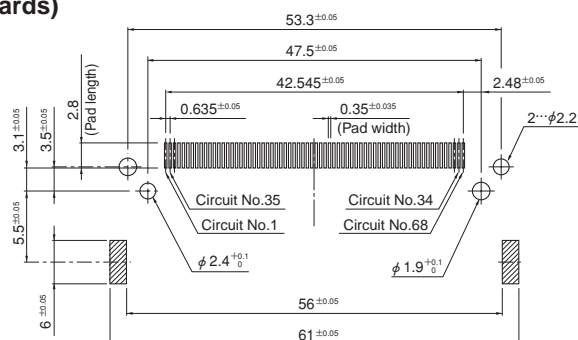
**RoHS compliance** This product displays (LF)(SN) A on a label.  
Not UL/CSA approved.



## PC CARD CONNECTOR C TYPE

**PC board layout (viewed from component side)**

**Header/SMT type (for Type I , II cards)**  
(Refer to Note 2 below)



Note: 1. Tolerances are non-cumulative:  $\pm 0.05$  mm for all centers.

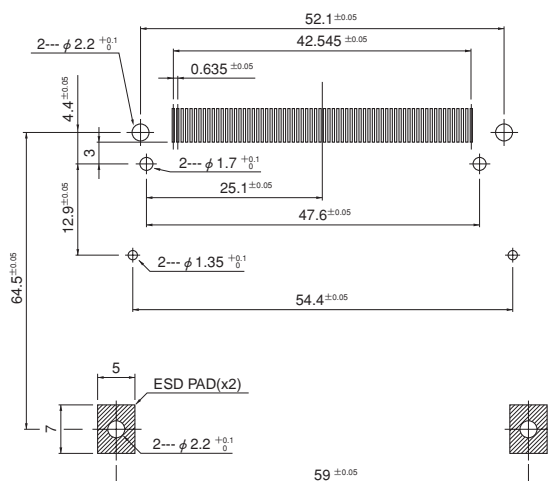
2. This layout is applied to the headers Model Nos. ICM-C68H-SS1A-4103/-4104/-4108T/-4109T.

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.

**PC board layout (viewed from component side)**

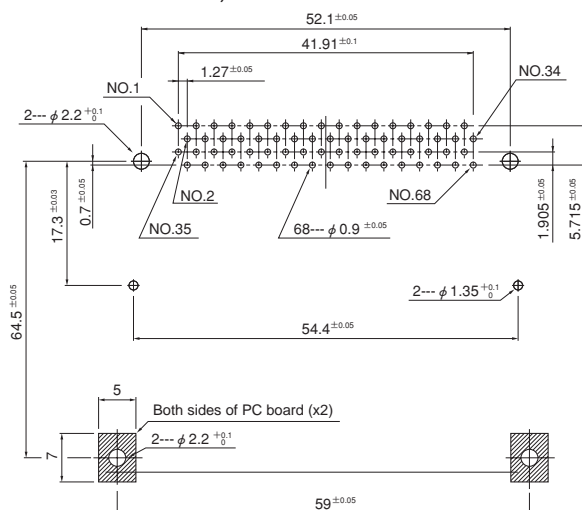
### SMT type/Standoff 0 mm Type III cards

(Refer to Note 3 below)



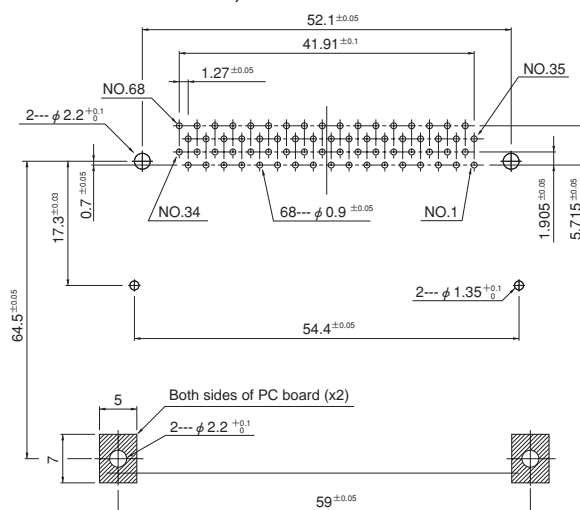
**Through-hole type/Type III cards Normal type**

(Refer to Note 4 below)



**Through-hole type/Type III cards Reverse type**

(Refer to Note 5 below)



*Note: 1. 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.*

2. Tolerances are non-cumulative:  $\pm 0.05$  mm for all centers.

3. This layout is applied to the header Model No. ICM-C68H-S112-400R1 and to ejectors Model No. ICME-C68L-300HA/C68R-300HA.

4. This layout is applied to the ejector mounted headers Model No. ICME68H-R0-D1120NHA/L0-D1120NHA/R0-D1121NHA/L0-D1121NHA.

5. This layout is applied to the ejector mounted headers Model No. ICME68H-R0-D1120RHA/L0-D1120RHA/R0-D1121RHA/L0-D1121RHA.