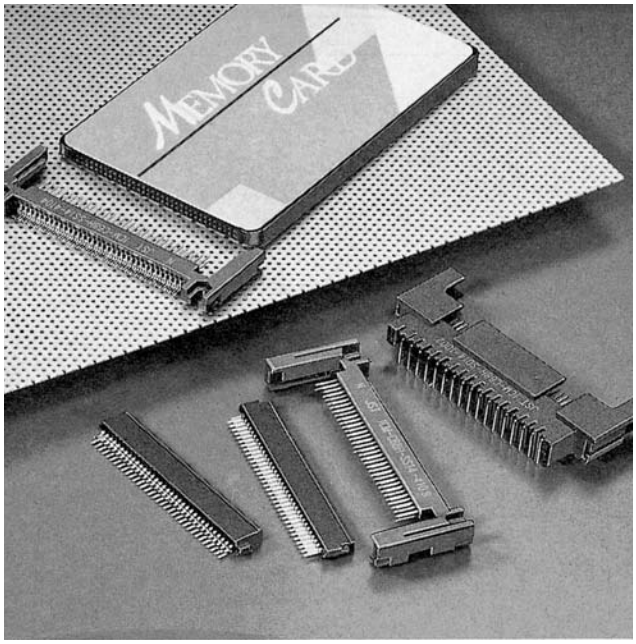
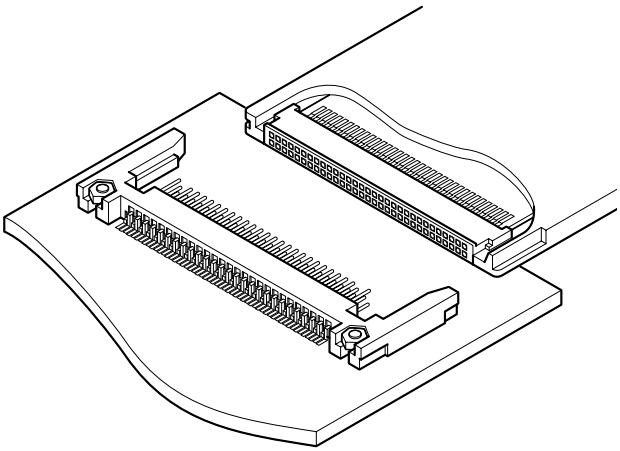
JST
PC Card
1.27mm pitch

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.

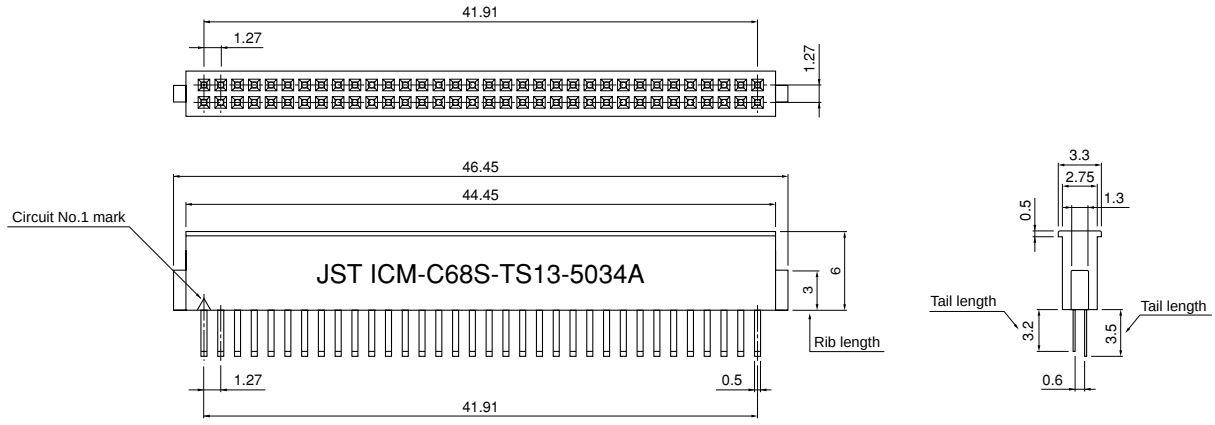
Standards

Recognized E60389

Certified LR20812

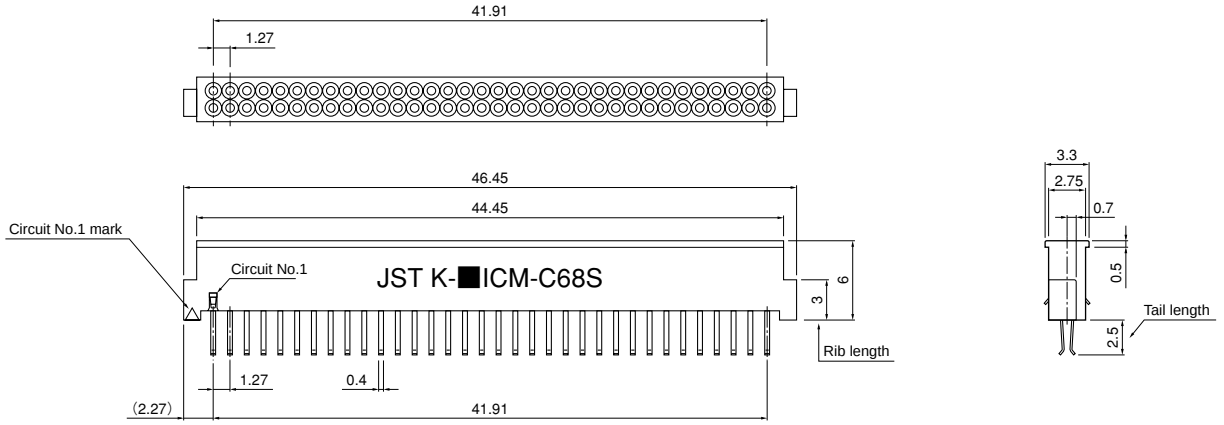
Socket

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) Housing: LPC, UL94V-0, black Grounding spring: Copper alloy, nickel-undercoated, gold-plated

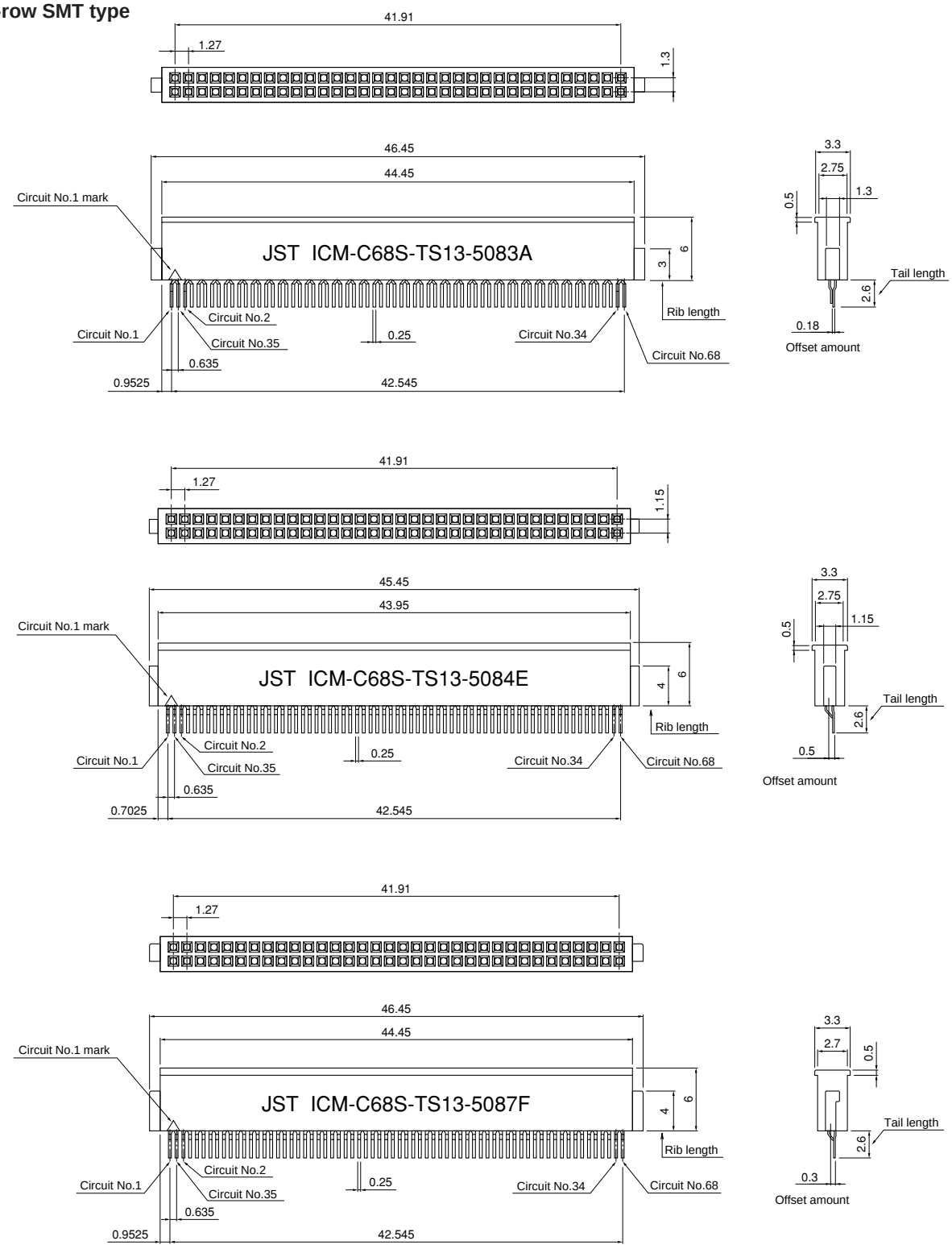
RoHS compliance *This product displays (LF)(SN) on a label.*

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.

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.*

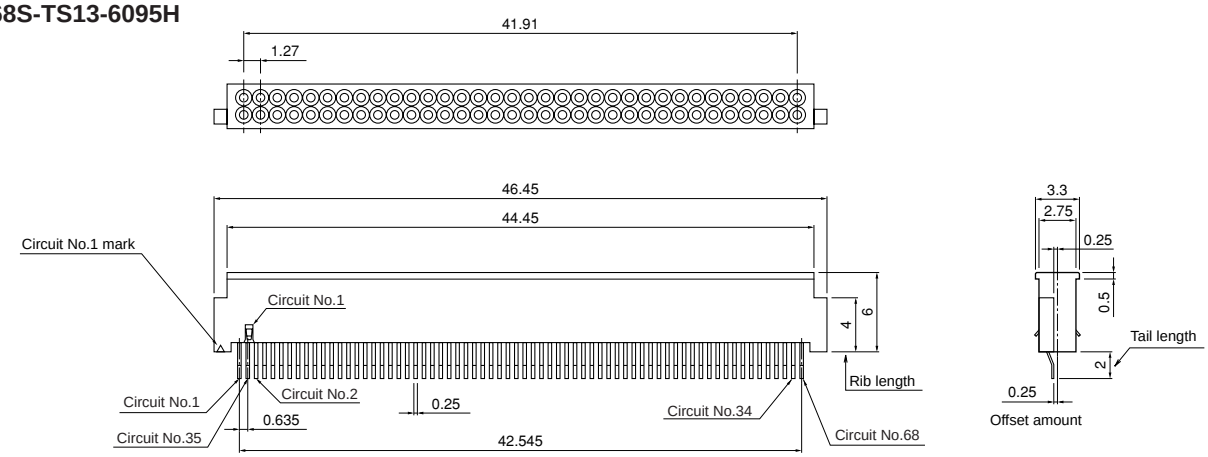
Note: 1. ICM-C68S-TS13-5084ET & ICM-C68S-TS13-5087FT are supplied on embossed-tape.

2. Not UL/CSA approved.

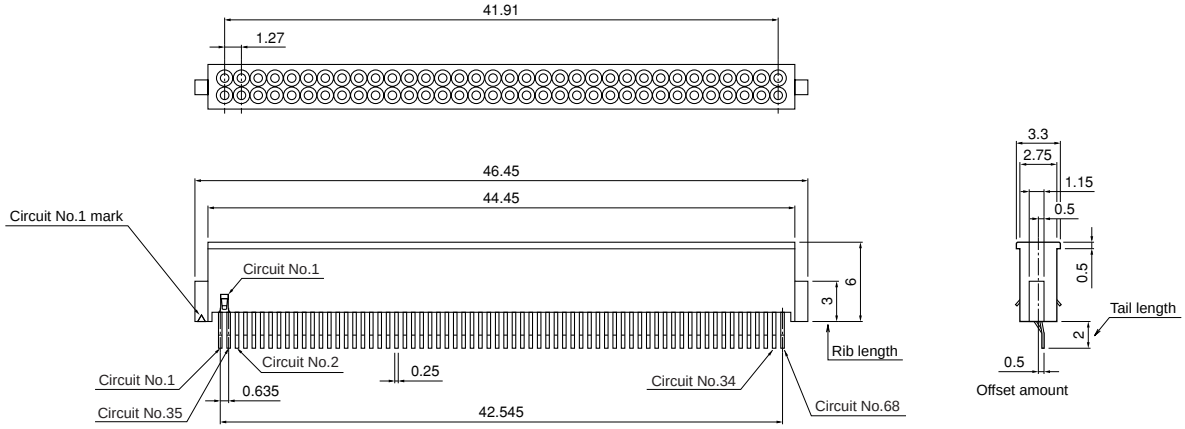
Socket

Single-row SMT type (with GND spring)

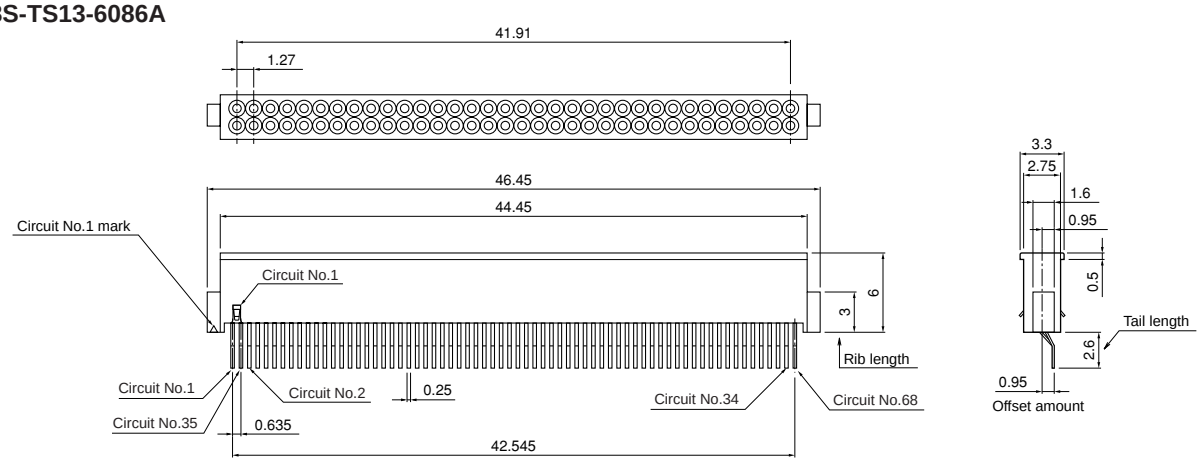
ICM-C68S-TS13-6095H



ICM-C68S-TS13-6084B



ICM-C68S-TS13-6086A



Circuits	Solder tail	GND spring	Offset dimensions (mm)	Rib length (mm)	Tail length (mm)	Model No.	Q'ty/box (Note 1)	Material and Finish
68	Single-row SMT type with GND spring	With (Circuit No.1, No.35)	0.25	4.0	2.0	**ICM-C68S-TS13-6095H**	360	Contact: Copper alloy, nickel-undercoated, Mating part; gold-plated Solder tail; tin-plated (reflow treatment) Housing: LCP, UL94V-0, black Grounding spring: Copper alloy, nickel-undercoated, gold-plated
			0.5	3.0	2.0	**ICM-C68S-TS13-6084B**	360	
			0.95	3.0	2.6	**ICM-C68S-TS13-6086A**	360	

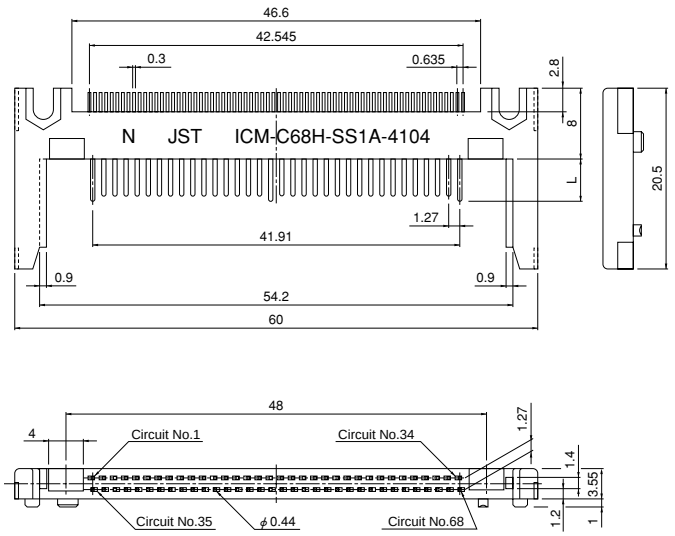
RoHS compliance *This product displays (LF)(SN) on a label.*

Note: 1. The products supplied on embossed-tape are also available.

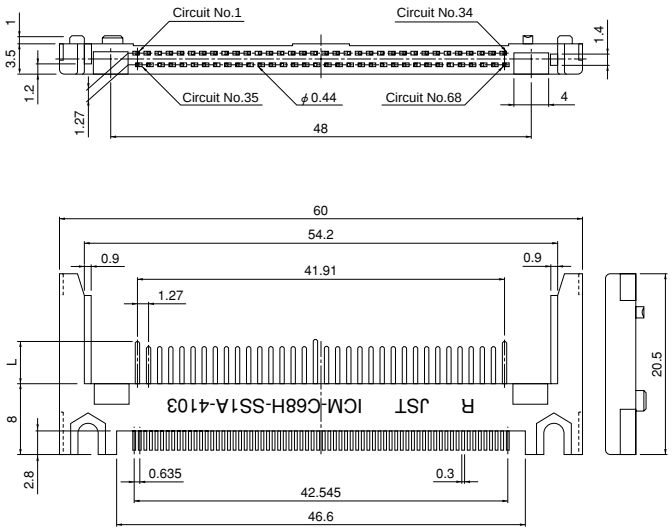
2. Not UL/CSA approved.

Header / SMT type (for Type Ⅰ cards)

Normal type



Reverse type



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

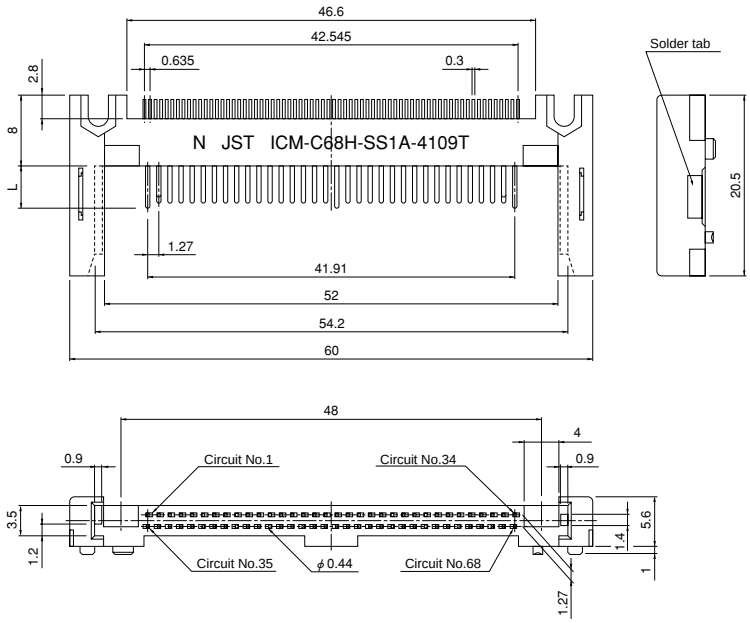
Dimension L

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)

Normal type



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

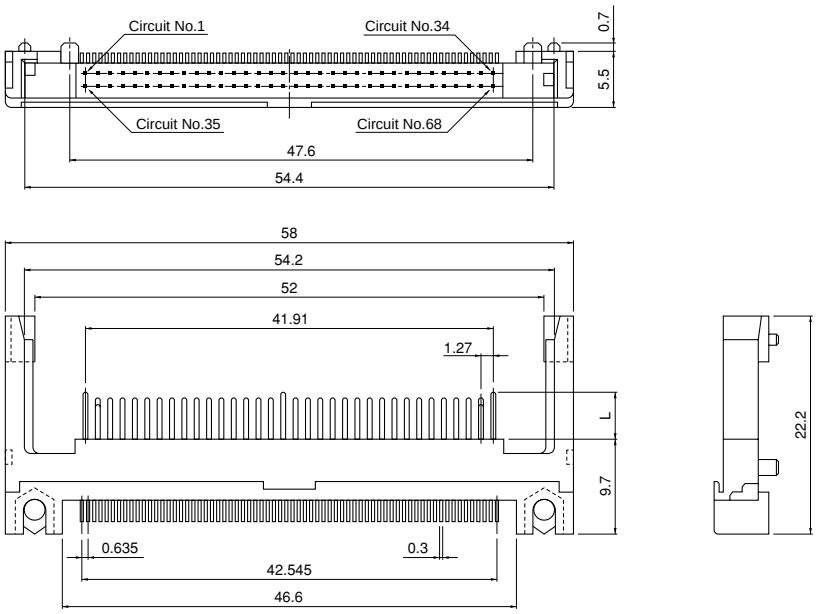
Dimension L

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 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

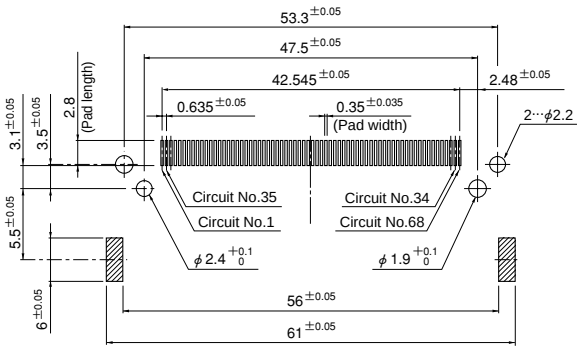
Dimension L

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.

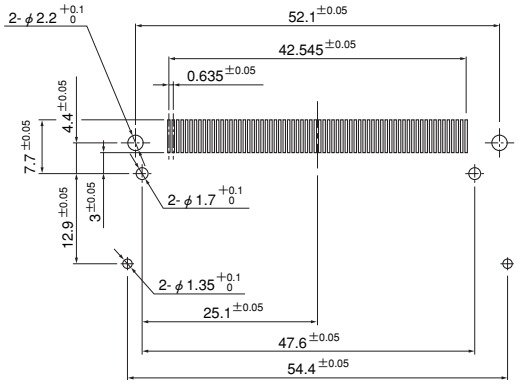
PC board layout

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



Note: 1. The above figure is the figure viewed from the component side.
2. This layout is applied to the headers Model Nos. ICM-C68H-SS1A-4103/-4104/-4108T/-4109T.
3. Tolerances are non-cumulative: ±0.05 mm for all centers.
4. 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.

SMT type/Standoff 0 mm Type Ⅲ cards



Note: 1. The above figure is the figure viewed from the component 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.