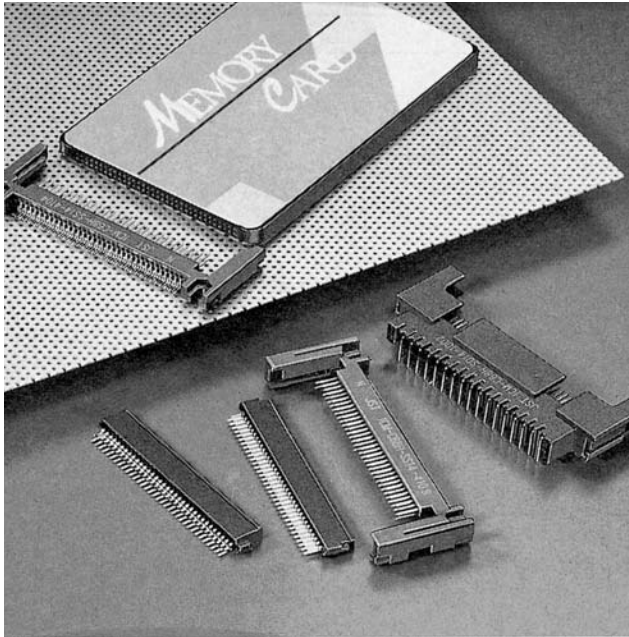


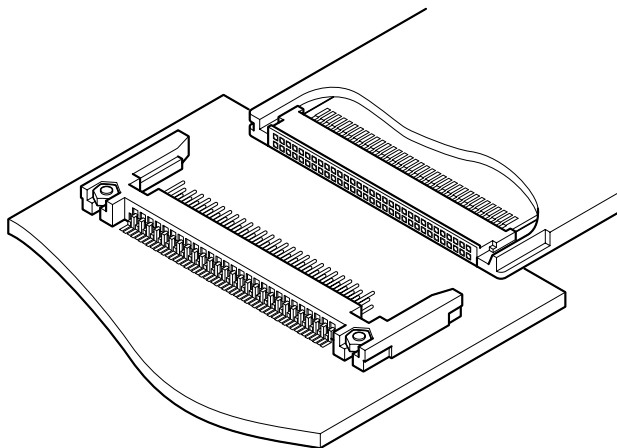
PC CARD CONNECTOR C TYPE

68-circuit PC card connectors

1.27mm
pitch



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

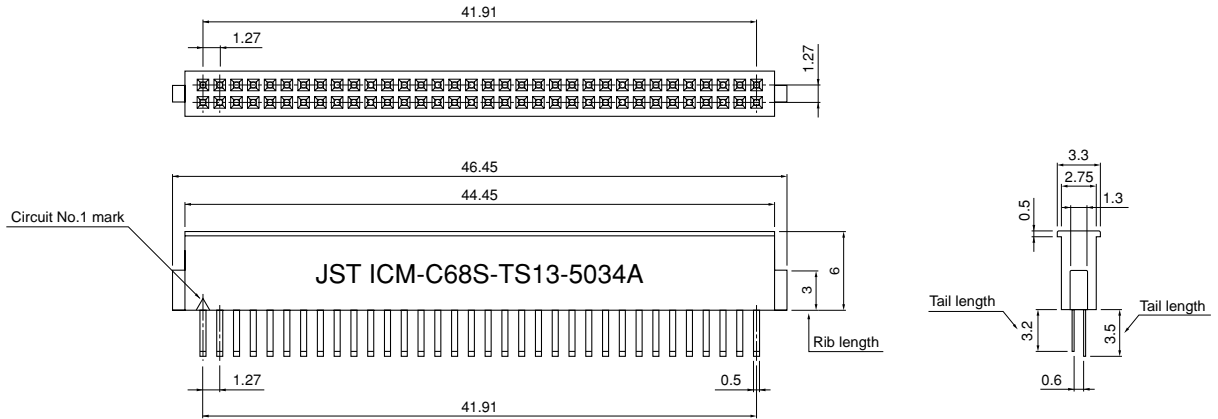
 Recognized E60389

 Certified LR20812

PC CARD CONNECTOR C TYPE

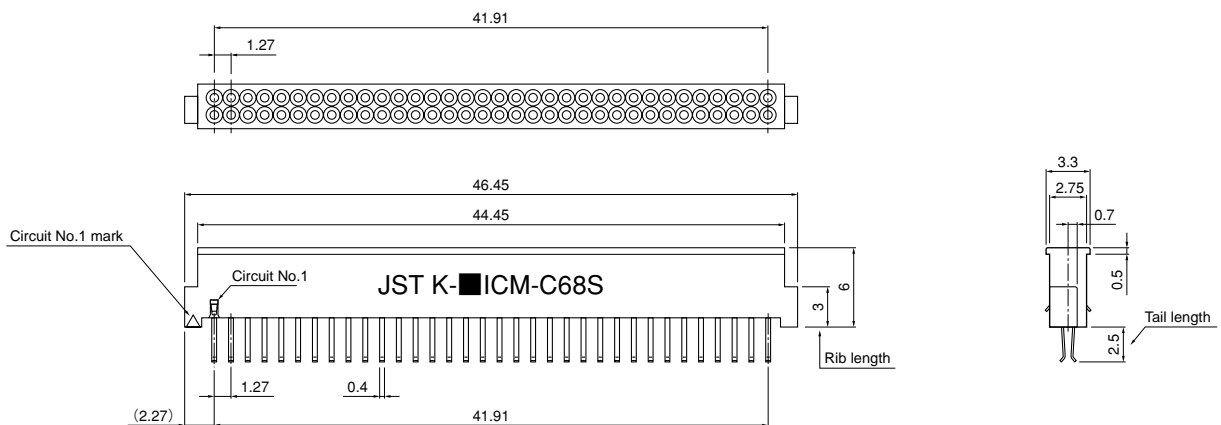
Socket

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.

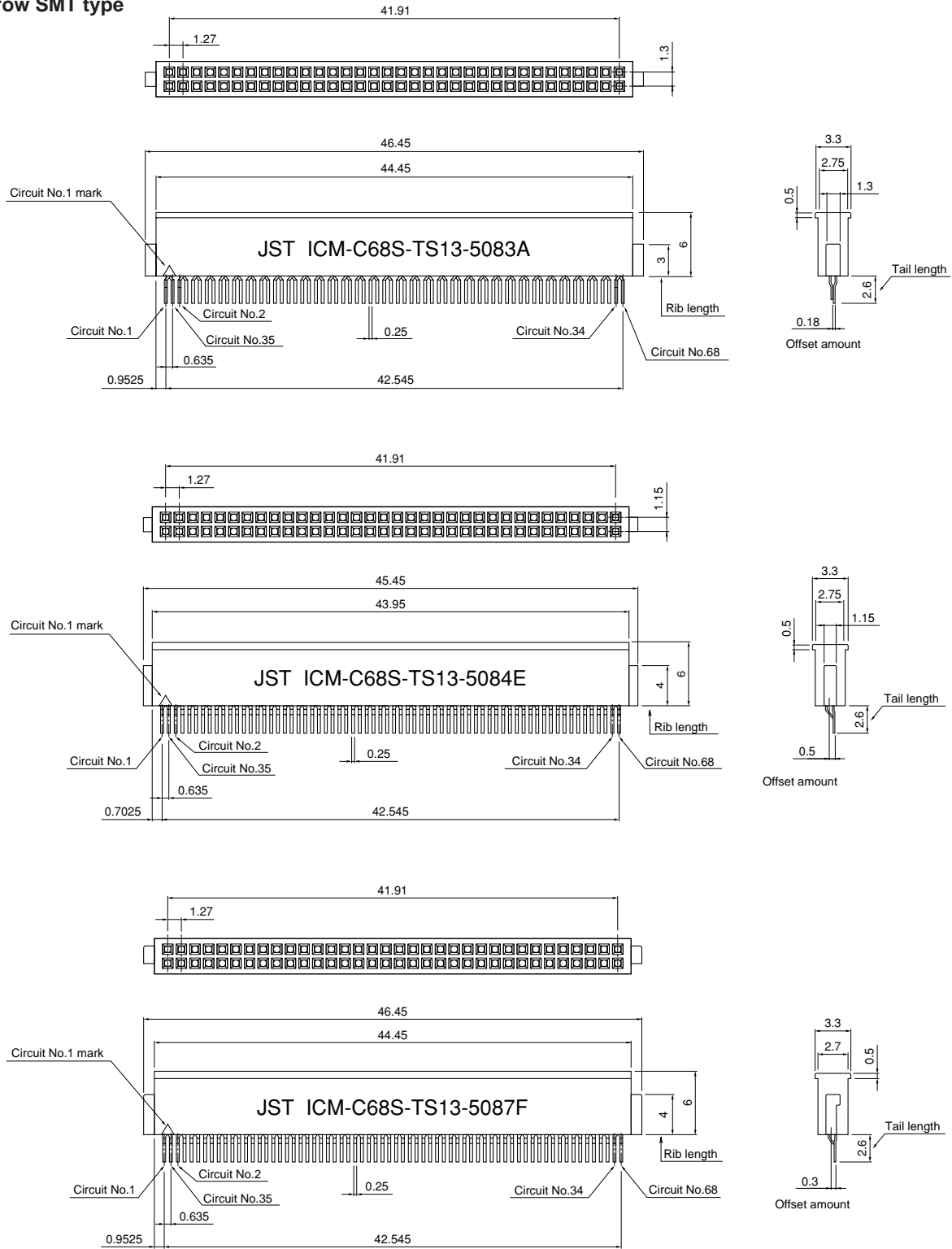
Note: 1. ICM-C68S-TS13-5033A, ICM-C68S-TS13-5034A and ICM-C68S-TS13-5073A are not approved by UL/CSA.

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.

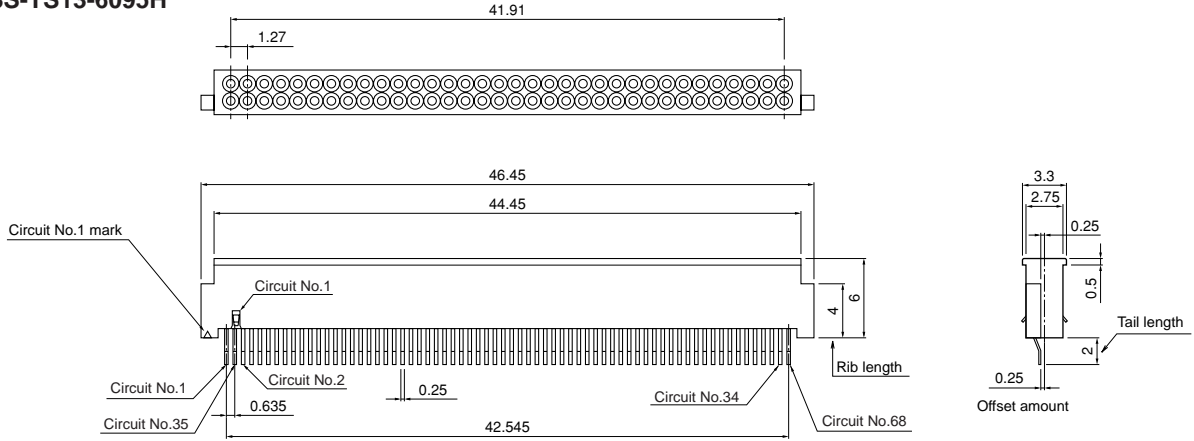
2. Not UL/CSA approved.

PC CARD CONNECTOR C TYPE

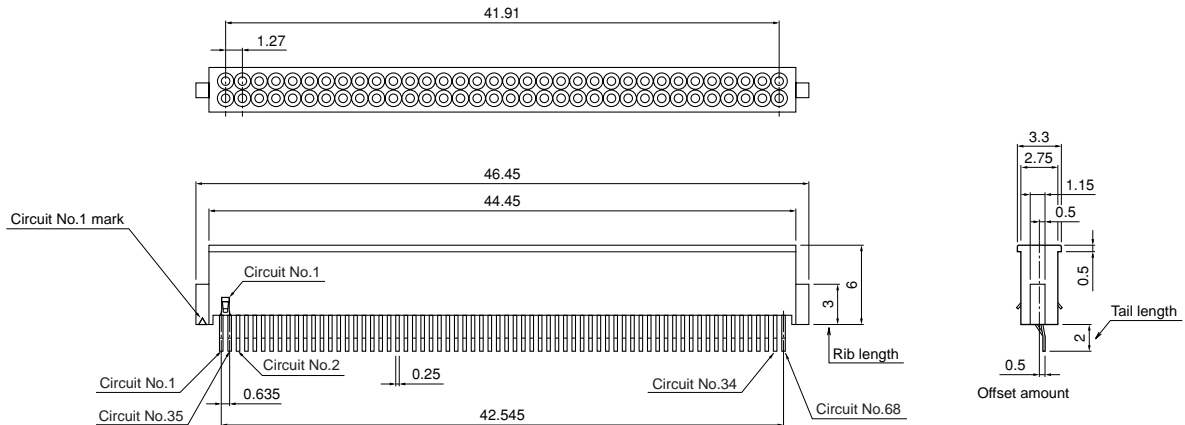
Socket

Single-row SMT type (with GND spring)

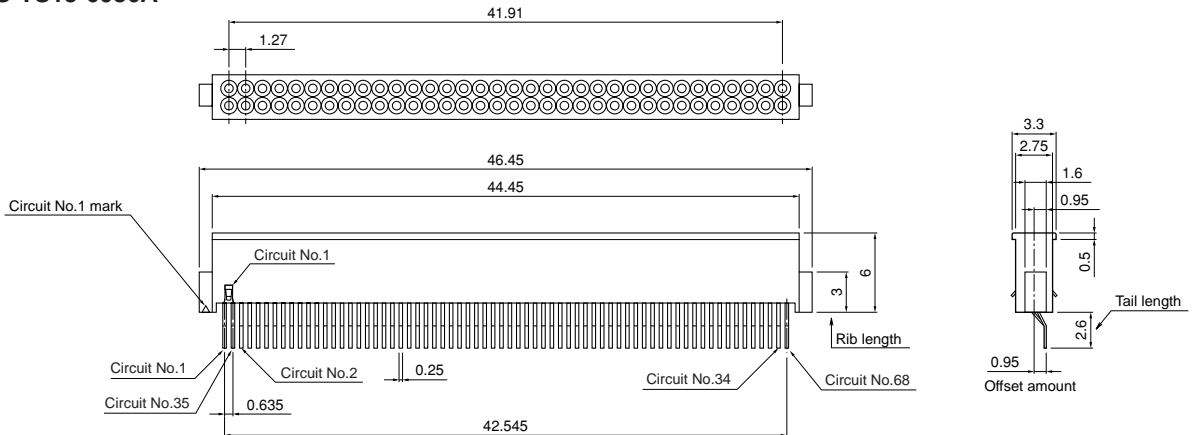
ICM-C68S-TS13-6095H



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
			0.5	3.0	2.0	ICM-C68S-TS13-6084B	360	Solder tail: tin-plated (reflow treatment)
			0.95	3.0	2.6	ICM-C68S-TS13-6086A	360	Housing: LCP, UL94V-0, black Grounding spring: Copper alloy, nickel-undercoated, gold-plated

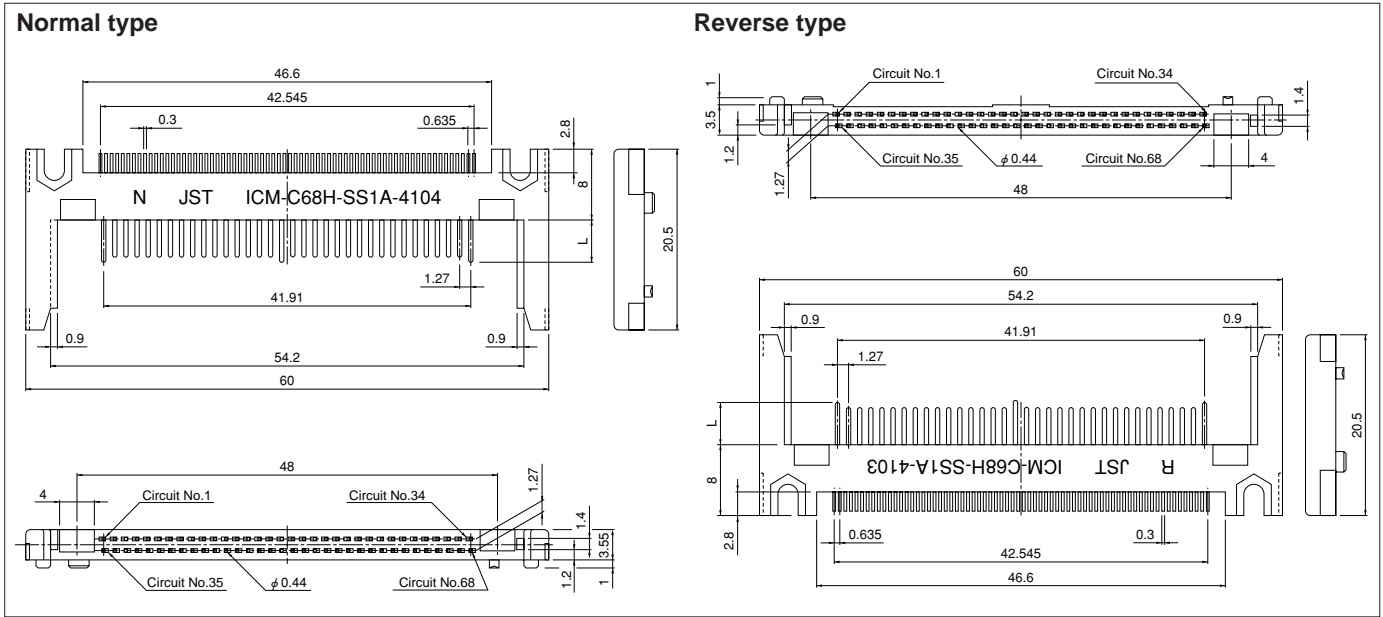
RoHS compliance This product displays (LF)(SN) on a label.

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

2. Not UL/CSA approved.

PC CARD CONNECTOR C TYPE

Header / SMT type (for Type I cards)

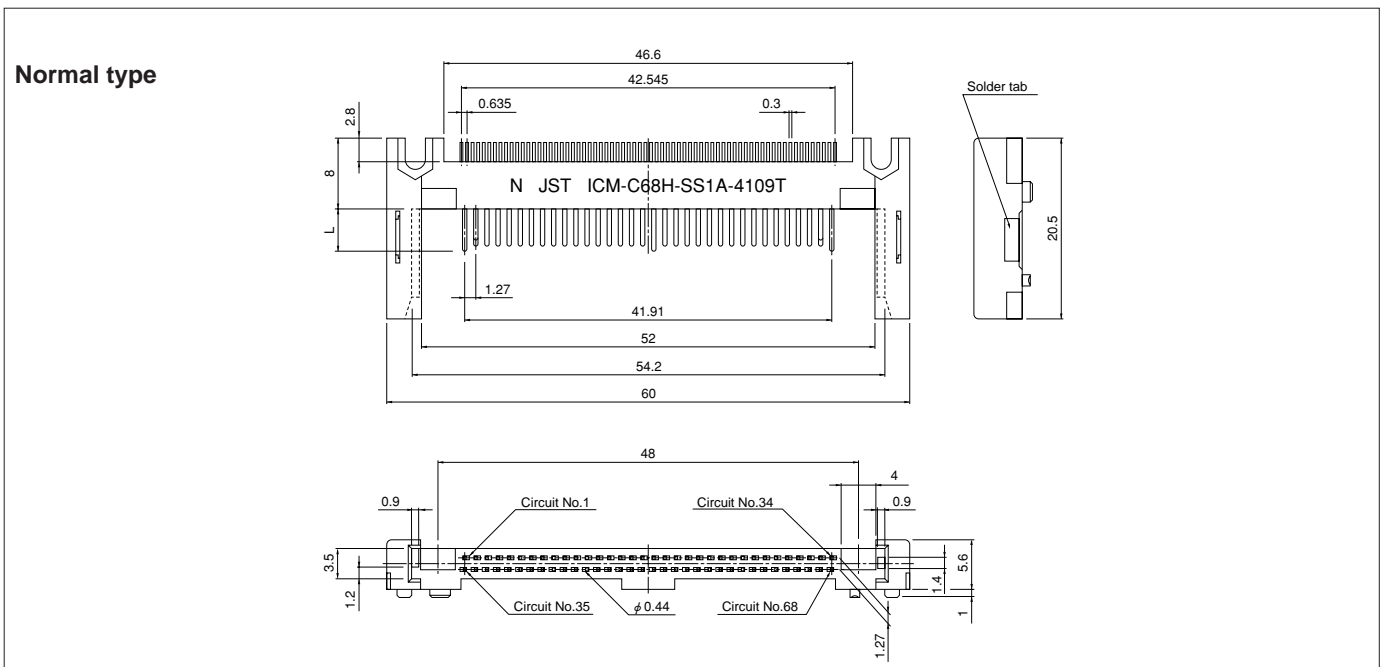


Circuits	Type	Model No.	Q'ty/box	Material and Finish
68	Normal	ICM-C68H-SS1A-4104	110	Contact: Phosphor bronze, nickel-undercoated, Mating part: gold-plated
	Reverse	ICM-C68H-SS1A-4103		Solder tail: tin-plated (reflow treatment)
				Housing: PPS, UL94V-0, natural

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	ICM-C68H-SS1A-4109T	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)

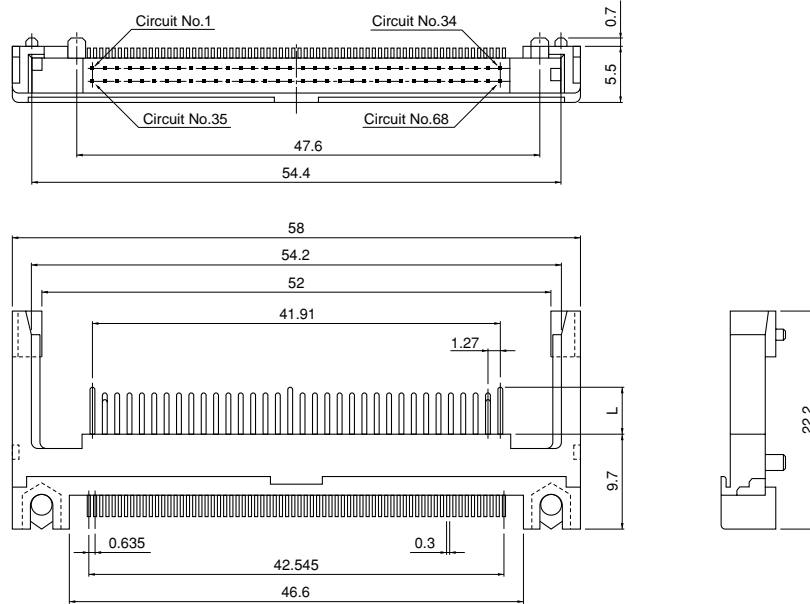
Dimension L	
Circuit No.	Dimensions (mm)
1, 17, 34, 35, 51, 68	5.0 ±0.1
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25 ±0.1
36, 37	3.5 ±0.1

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)



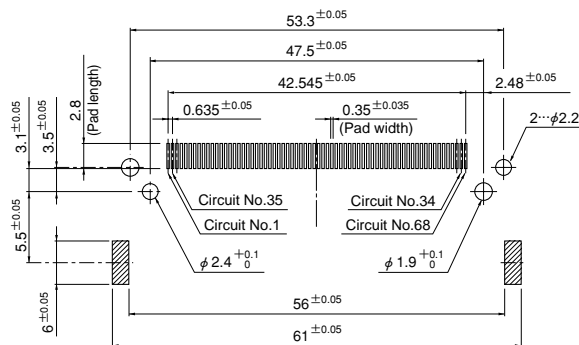
Circuits	Type	Model No.	Q'ty/box	Material and Finish
68	Reverse	ICM-C68H-S112-400R1	90	Contact: Phosphor bronze, nickel-undercoated, Mating part; gold-plated Solder tail; tin-plated (reflow treatment) Housing: PA 6T, UL94V-0, black

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

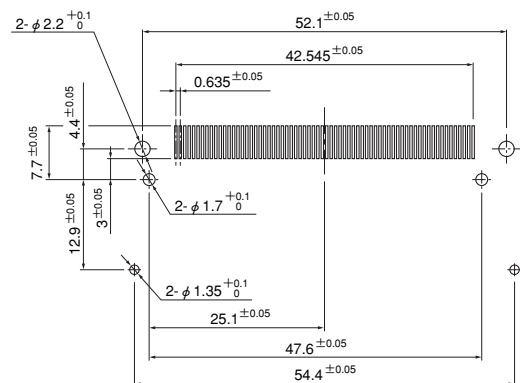
RoHS compliance This product displays (LF)(SN) on a label.
Not UL/CSA approved.

PC board layout

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



SMT type/Standoff 0 mm Type III cards



- 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.

- 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.