

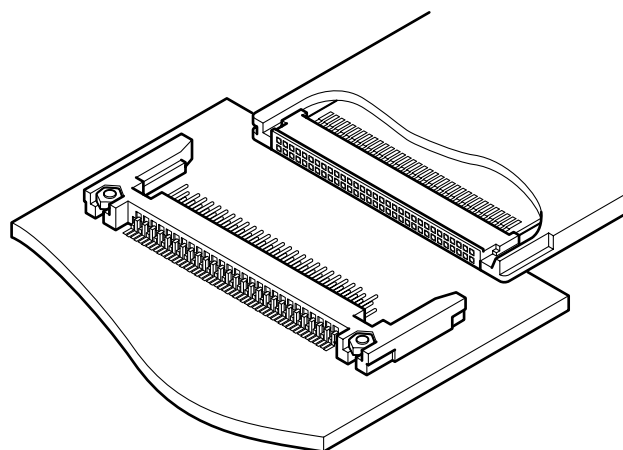
JSTPC
Card**1.27mm**
(.050") pitch

PC CARD CONNECTOR C TYPE

68-circuit PC card connectors



1.27mm (.050") pitch 68-circuit connector for PC cards.



Features

- **Easy inspection and touch-up after reflow soldering**

The SMT type header is 0.635mm(.025")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 (3.3V) card**

Headers for type III cards have a groove to be applicable to the low-voltage (3.3V) cards.

Specifications

- Current rating: 0.5A AC, DC/line
- Temperature range: -20°C to +60°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/40m Ω max.
After environmental testing/max.
20m Ω variation from initial value
- Withstanding voltage: 500V AC/minute
- Insulation resistance: 1,000M Ω min. (Initial)
- Mating/unmating life: 10,000 cycles
- Circuits: 68-circuits
- * Contact JST for details.

Standards

 Recognized E60389

 Certified LR20812

PC CARD CONNECTOR C TYPE

Socket

Dual-row straddle type

Fig.1

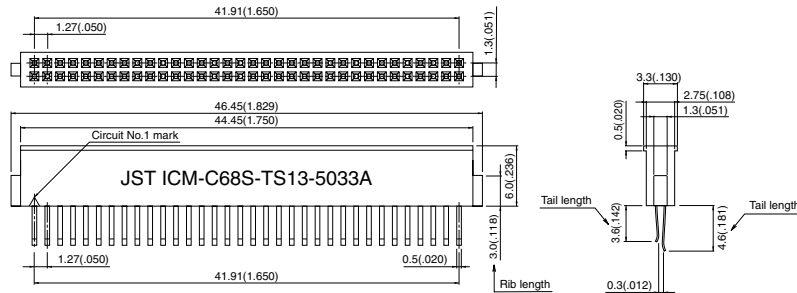


Fig.2

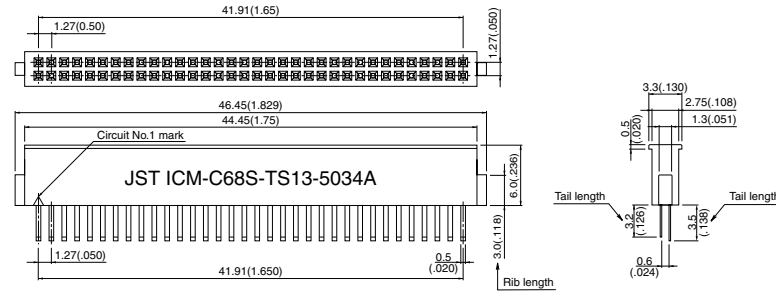
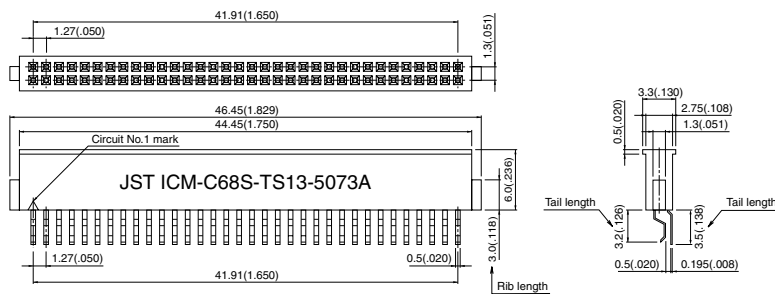


Fig.3



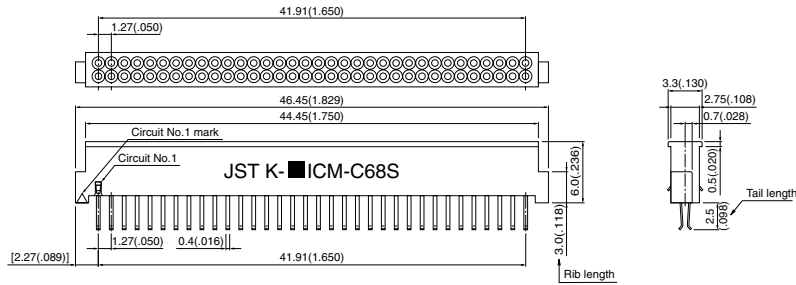
Circuit	Solder tail	Grounding spring	Off-set dimension	Rib length mm(in.)	Tail length mm(in.)	Model No.	Q'ty / box	Material and Finish
68	Dual-row straddle type	Without	Center	3.0(.118)	3.6(.142) 4.6(.181)	ICM-C68S-TS13-5033A	480	Contact: Copper alloy, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: PA6T, UL94V-0, black
			Center	3.0(.118)	3.2(.126) 3.5(.138)	ICM-C68S-TS13-5034A	480	
			-	3.0(.118)	3.2(.126) 3.5(.138)	ICM-C68S-TS13-5073A	480	

PC CARD CONNECTOR C TYPE

Socket

Dual-row straddle type
with grounding spring

Fig.4
ICM-C68S-TS13-6032



Circuit	Solder tail	Grounding spring	Off-set dimension	Rib length mm(in.)	Tail length mm(in.)	Model No.	Q'ty / box	Material and Finish
68	Dual-row straddle type	With (Circuit No.1, No.35)	Center	3.0(.118)	2.5(.098)	ICM-C68S-TS13-6032	360	Contact: Copper alloy, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: LPC, UL94V-0, black Grounding spring: Copper alloy, nickel-undercoated, gold-plated

Note: Not UL recognized nor CSA certified.

PC CARD CONNECTOR C TYPE

Socket

Single-row SMT type (with grounding spring)

Fig.5
ICM-C68S-TS13-6095H

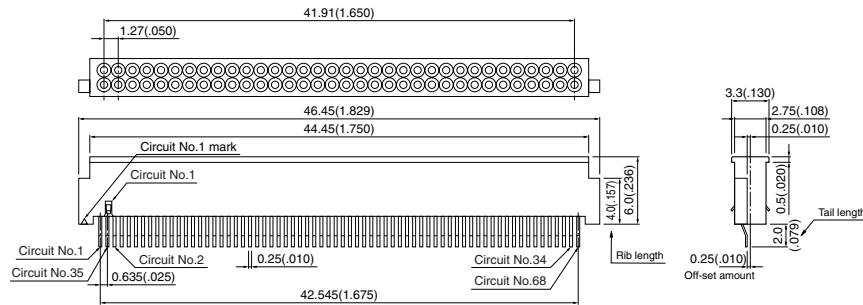


Fig.6
ICM-C68S-TS13-6084C

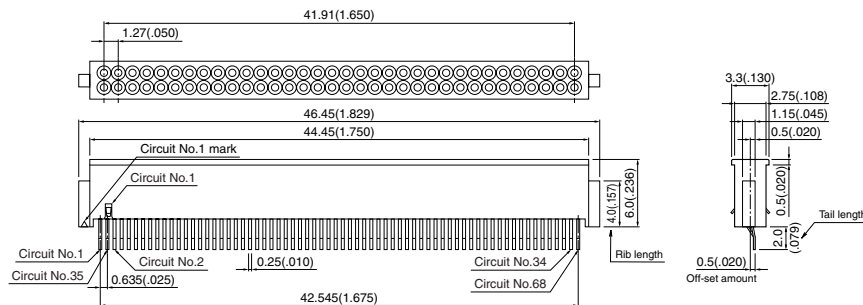


Fig.7
ICM-C68S-TS13-6084B

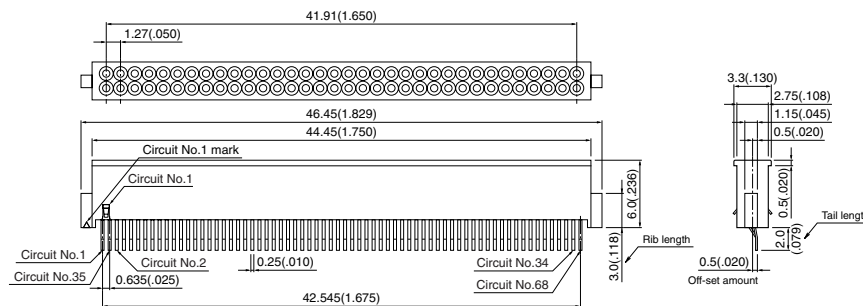
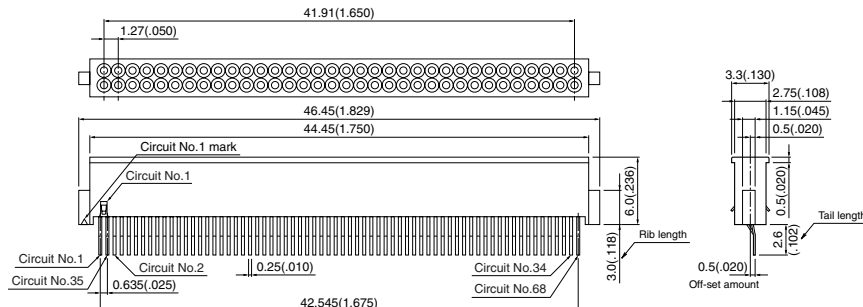


Fig.8
ICM-C68S-TS13-6084A



Circuits	Solder Tail	Grounding spring	Off-set dimension mm(in.)	Rib length mm(in.)	Tail length mm(in.)	Model No.	Q'ty / box (Note 1)	Material and Finish
68	Single-row SMT type with grounding spring	With (Circuit No.1, No.35)	0.25(.010)	4.0(.157)	2.0(.079)	ICM-C68S-TS13-6095H	360	Contact: Copper alloy, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: LCP, UL94V-0, black Grounding spring: Copper alloy, nickel-undercoated, gold-plated
			0.5(.020)	4.0(.157)	2.0(.079)	ICM-C68S-TS13-6084C	360	
				3.0(.118)	2.0(.079)	ICM-C68S-TS13-6084B	360	
				3.0(.118)	2.6(.102)	ICM-C68S-TS13-6084A	360	

Note: 1. The products supplied on embossed-tape are also available.
2. The above are not UL recognized nor CSA certified.

PC CARD CONNECTOR C TYPE

Socket

Single-row SMT type (with / without grounding spring)

Fig.9
ICM-C68S-TS13-6086B

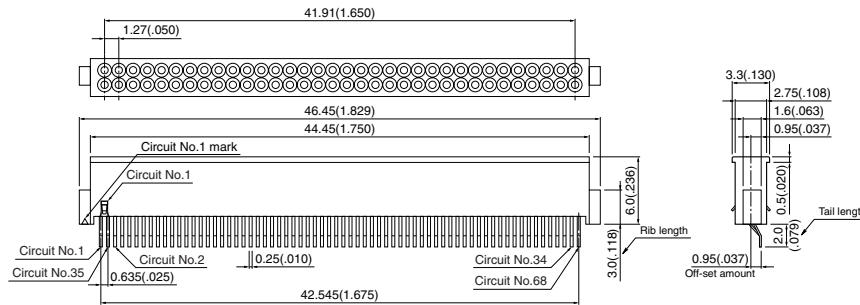


Fig.10
ICM-C68S-TS13-6086A

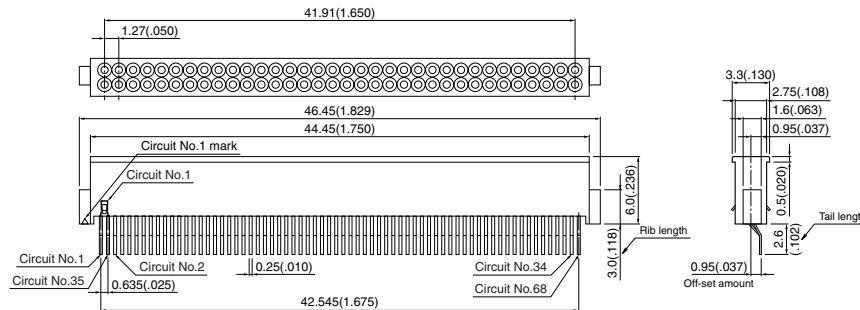


Fig.11
ICM-C68S-TS13-6N95D

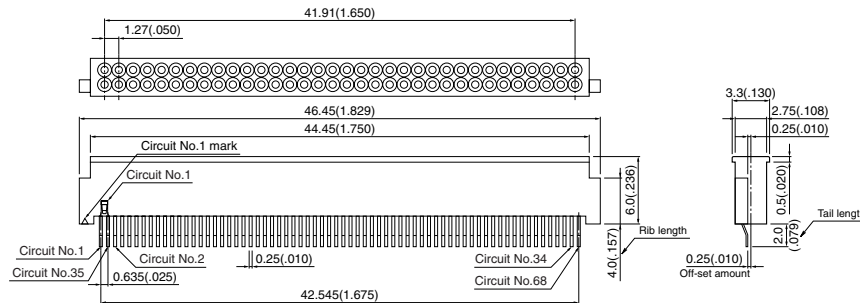
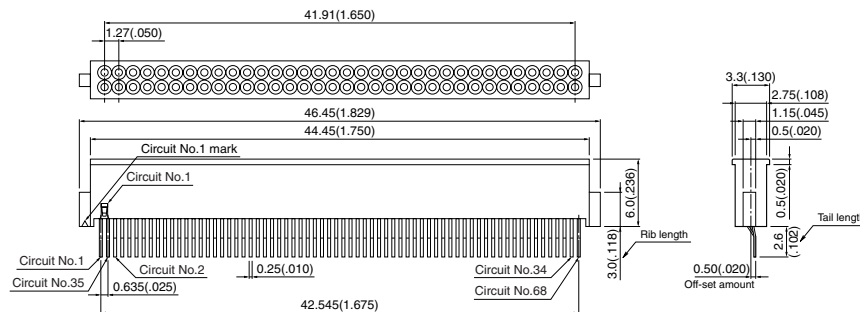


Fig.12
ICM-C68S-TS13-6N84A



Circuits	Solder Tail	Grounding spring	Off-set dimension mm(in.)	Rib length mm(in.)	Tail length mm(in.)	Model No.	Qty / box (Note 2)	Material and Finish
68	Single-row SMT type with / without grounding spring	With (Circuit No.1, No.35)	0.95(.037)	3.0(.118)	2.0(.079)	ICM-C68S-TS13-6086B	360	Contact: Copper alloy, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated
			0.95(.037)	3.0(.118)	2.6(.102)	ICM-C68S-TS13-6086A	360	Housing: LCP, UL94V-0, black Grounding spring: Copper alloy, nickel-undercoated, gold-plated
		Without (Note 1)	0.25(.010)	4.0(.157)	2.0(.079)	ICM-C68S-TS13-6N95D	360	Contact: Copper alloy, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated
			0.50(.020)	3.0(.118)	2.6(.102)	ICM-C68S-TS13-6N84A	360	Housing: LCP, UL94V-0

Note: 1. Grounding springs are not installed.

2. The products supplied on embossed-tape are also available.

3. The above are not UL recognized nor CSA certified.

PC CARD CONNECTOR C TYPE

Socket

Single-row SMT type

Fig.13

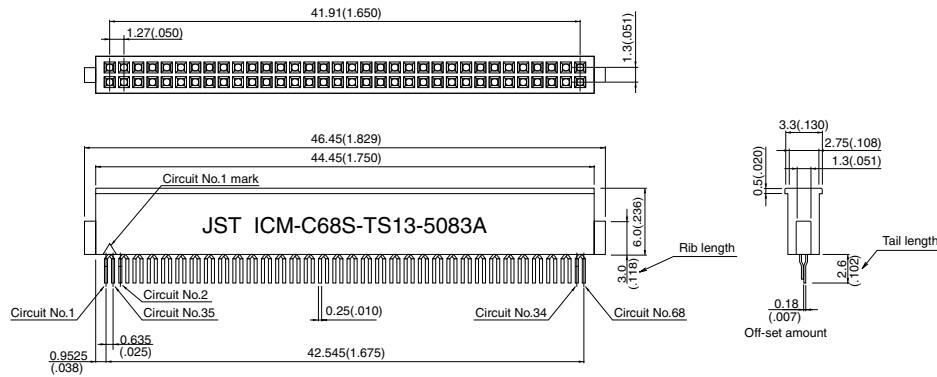


Fig.14

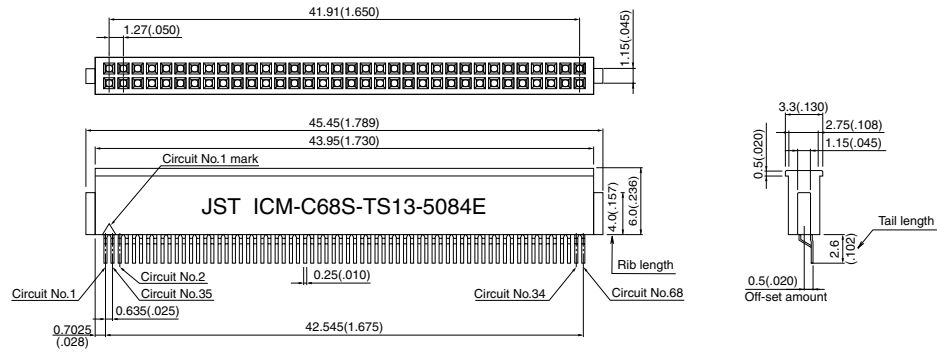
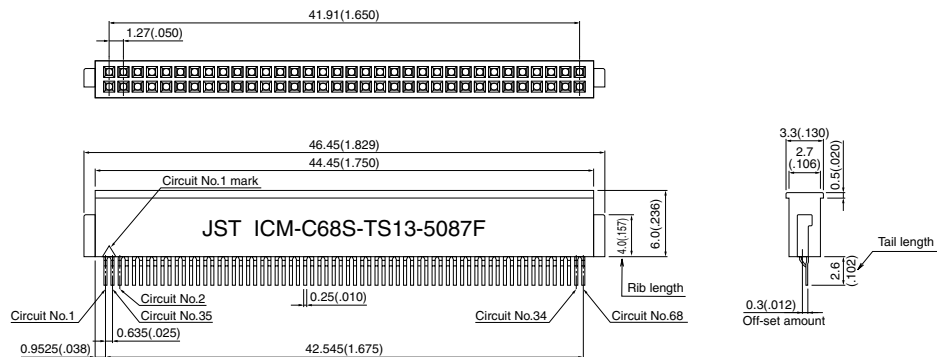


Fig.15



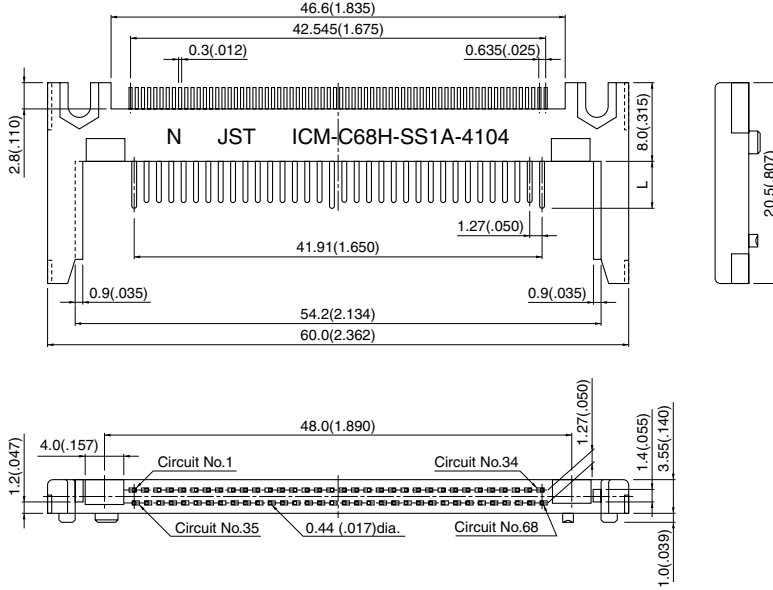
Circuits	Solder Tail	Grounding spring	Off-set dimension mm(in.)	Rib length mm(in.)	Tail length mm(in.)	Model No.	Q'ty	Material and Finish
68	Single-row SMT type	Without	0.18(.007)	3.0(.118)	2.6(.102)	ICM-C68S-TS13-5083A	360 / box	Contact: Copper alloy, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: PA6T, UL94V-0, black
			0.5 (.020)	4.0(.157)	2.6(.102)	ICM-C68S-TS13-5084ET	1500 / reel	
			0.5 (.020)	4.0(.157)	2.6(.102)	ICM-C68S-TS13-5087FT	1500 / reel	

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

PC CARD CONNECTOR C TYPE

Header / SMT type (for Type I cards)

Normal type



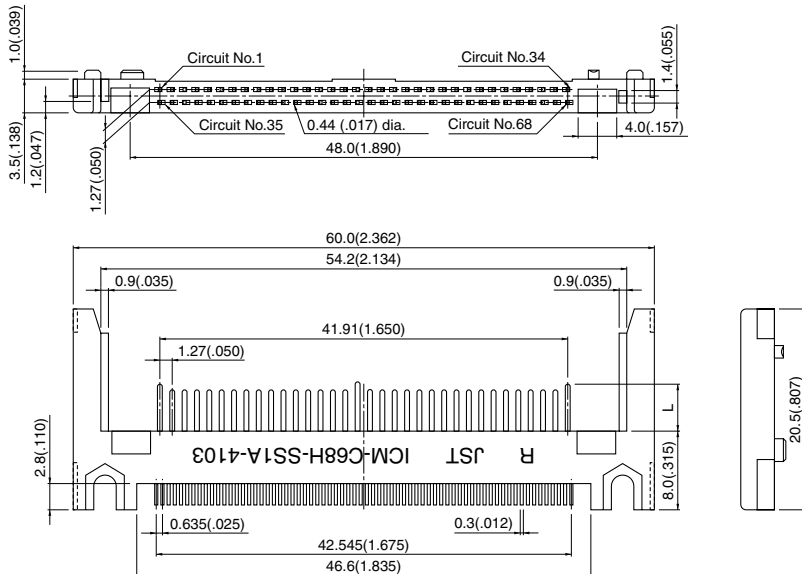
Dimension L

Circuit No.	Dimensions mm(in.)
1, 17, 34, 35, 51, 68	5.0 ±0.1(.197 ±.004)
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25 ±0.1(.167 ±.004)
36, 37	3.5 ±0.1(.138 ±.004)

Circuits	Model No.	Q'ty / box
68	ICM-C68H-SS1A-4104	110

Material and Finish
Contact: Phosphor bronze, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: PPS, UL94V-0, natural

Reverse type



Dimension L

Circuit No.	Dimensions mm(in.)
1, 17, 34, 35, 51, 68	5.0 ±0.1(.197 ±.004)
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25 ±0.1(.167 ±.004)
36, 37	3.5 ±0.1(.138 ±.004)

Circuits	Model No.	Q'ty / box
68	ICM-C68H-SS1A-4103	110

Material and Finish
Contact: Phosphor bronze, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: PPS, UL94V-0, natural

PC CARD CONNECTOR C TYPE

Header / SMT type (for Type II cards)

Normal type

N JST ICM-C68H-SS1A-4109T

Dimension L

Circuit No.	Dimensions mm(in.)
1, 17, 34, 35, 51, 68	5.0 ±0.1(.197±.004)
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25±0.1(.167±.004)
36, 37	3.5 ±0.1(.138±.004)

Circuits	Tab	Model No.	Q'ty / box
68	Without	ICM-C68H-SS1A-4109	80
	With	ICM-C68H-SS1A-4109T	

Material and Finish
Contact: Phosphor bronze, nickel-undercoated
Mating section...Gold-plated
Solder tail...Tin/lead-plated
Housing: PPS, UL94V-0, natural

Reverse type

R JST ICM-C68H-SS1A-4108T

Dimension L

Circuit No.	Dimensions mm(in.)
1, 17, 34, 35, 51, 68	5.0 ±0.1(.197±.004)
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25±0.1(.167±.004)
36, 37	3.5 ±0.1(.138±.004)

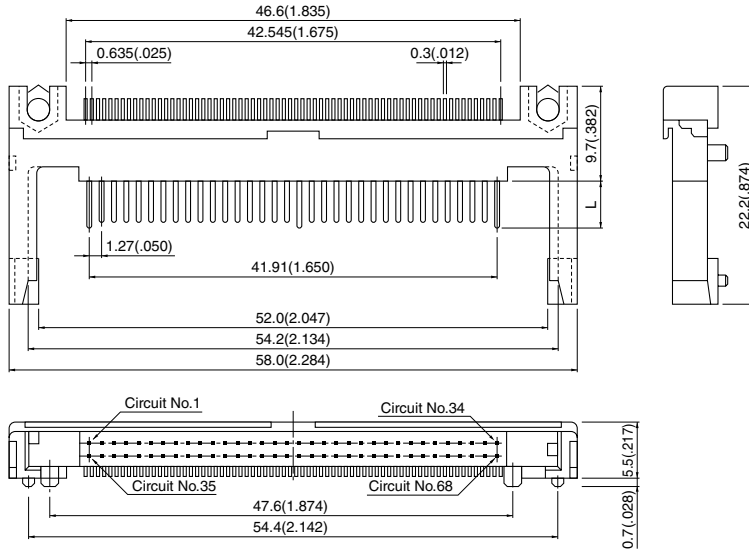
Circuits	Tab	Model No.	Q'ty / box
68	Without	ICM-C68H-SS1A-4108	80
	With	ICM-C68H-SS1A-4108T	

Material and Finish
Contact: Phosphor bronze, nickel-undercoated
Mating section...Gold-plated
Solder tail...Tin/lead-plated
Housing: PPS, UL94V-0, natural

PC CARD CONNECTOR C TYPE

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

Normal type (Stand off 0mm)



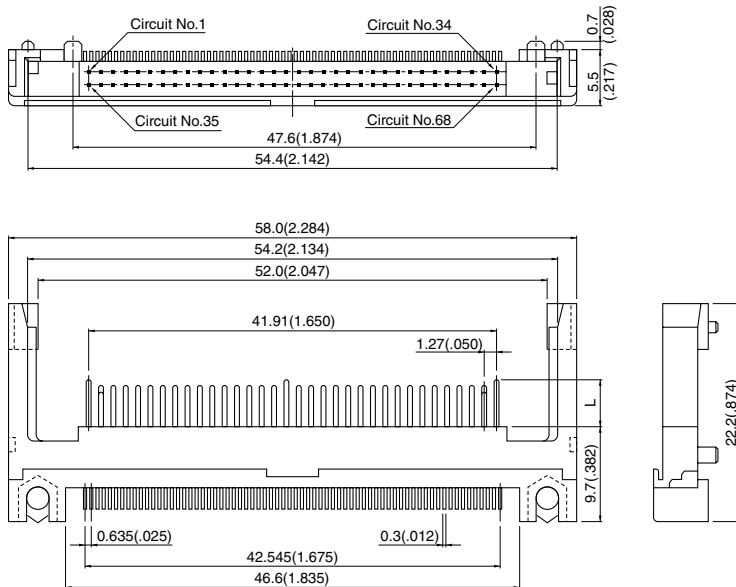
Dimension L

Circuit No.	Dimensions mm(in.)
1, 17, 34, 35, 51, 68	5.0 ±0.1(.197 ±.004)
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25 ±0.1(.167 ±.004)
36, 37	3.5 ±0.1(.138 ±.004)

Circuits	Model No.	Q'ty / box
68	ICM-C68H-S112-400N1	90

Material and Finish
Contact: Phosphor bronze, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: PA6T, UL94V-0, black

Reverse type (Stand off 0mm)



Dimension L

Circuit No.	Dimensions mm(in.)
1, 17, 34, 35, 51, 68	5.0 ±0.1(.197 ±.004)
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25 ±0.1(.167 ±.004)
36, 37	3.5 ±0.1(.138 ±.004)

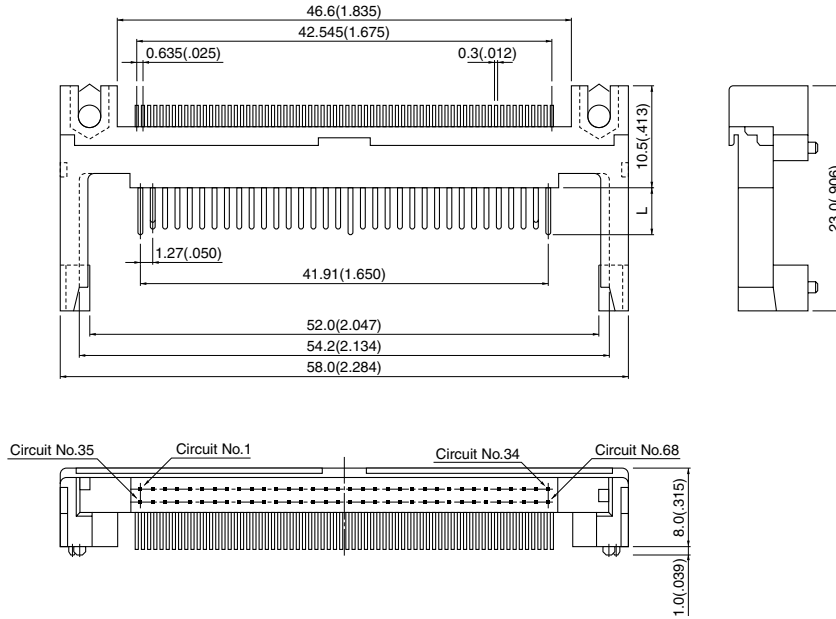
Circuits	Model No.	Q'ty / box
68	ICM-C68H-S112-400R1	90

Material and Finish
Contact: Phosphor bronze, nickel-undercoated Mating section...Gold-plated Solder tail...Tin/lead-plated Housing: PA6T, UL94V-0, black

PC CARD CONNECTOR C TYPE

Header / SMT type (for Type III cards)

Normal type (Stand off 2.5mm(.098"))



Dimension L

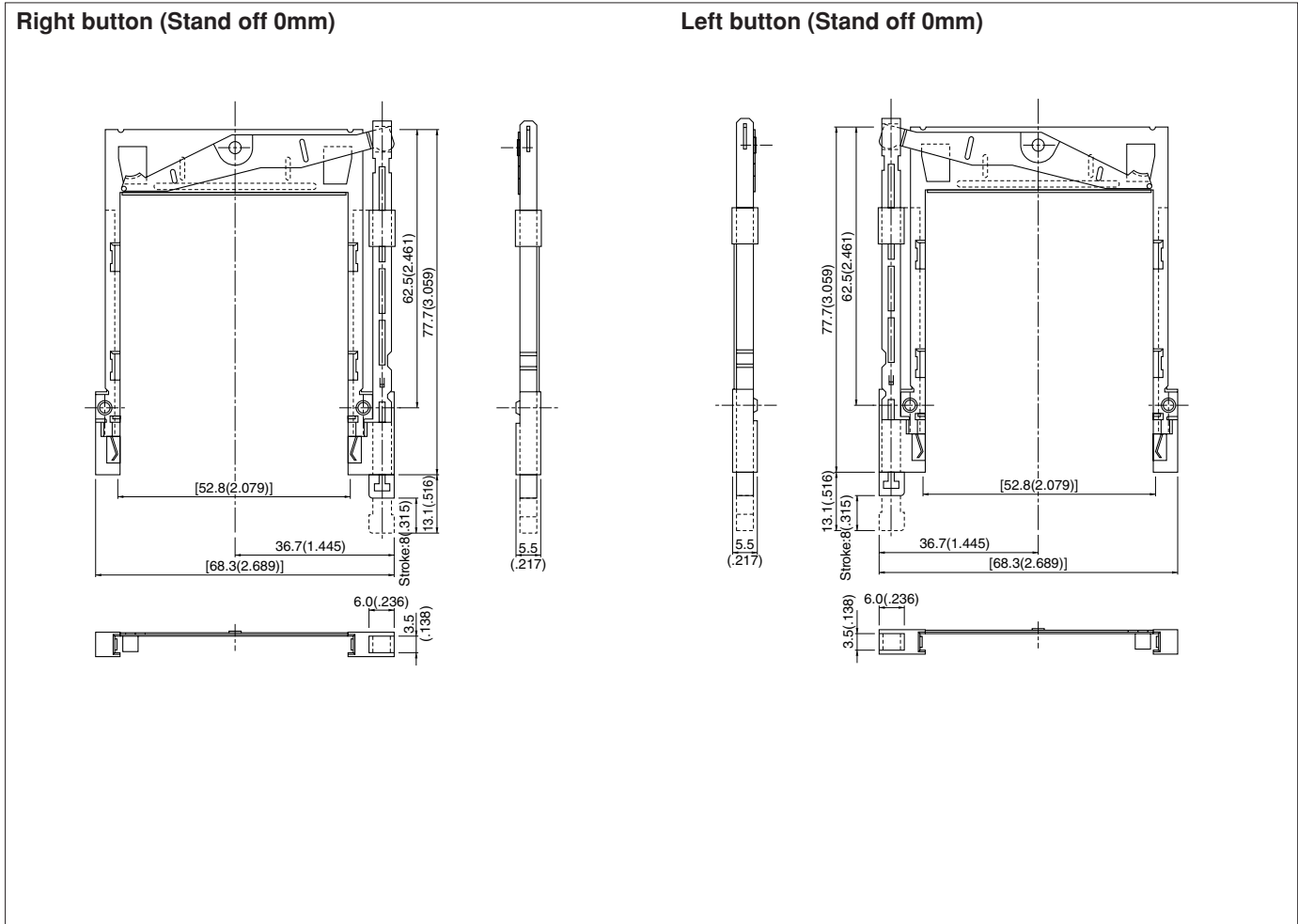
Circuit No.	Dimensions min(in.)
1, 17, 34, 35, 51, 68	5.0 ±0.1(.197±.004)
2 to 16, 18 to 33, 37 to 50, 52 to 66	4.25±0.1(.167±.004)
36, 67	3.5 ±0.1(.138±.004)

Circuits	Model No.	Q'ty / box
68	ICM-C68H-S112-403N1	90

Material and Finish
Contact: Phosphor bronze, nickel-undercoated
Mating section...Gold-plated
Solder tail...Tin/lead-plated
Housing: PA6T, UL94V-0, black

PC CARD CONNECTOR C TYPE

Ejector / SMT type (for Type III cards)



Right button

Button	Model No.	Applicable header	Q'ty / box
Right	ICME-C68R-300HA	ICM-C68H-S112-400N1 ICM-C68H-S112-400R1	20

Material and Finish
Guide bar: PBT, UL94V-0 Frame: Stainless steel Rotating arm: Stainless steel Push bar: PBT, UL94V-0 Eyelect: Copper alloy

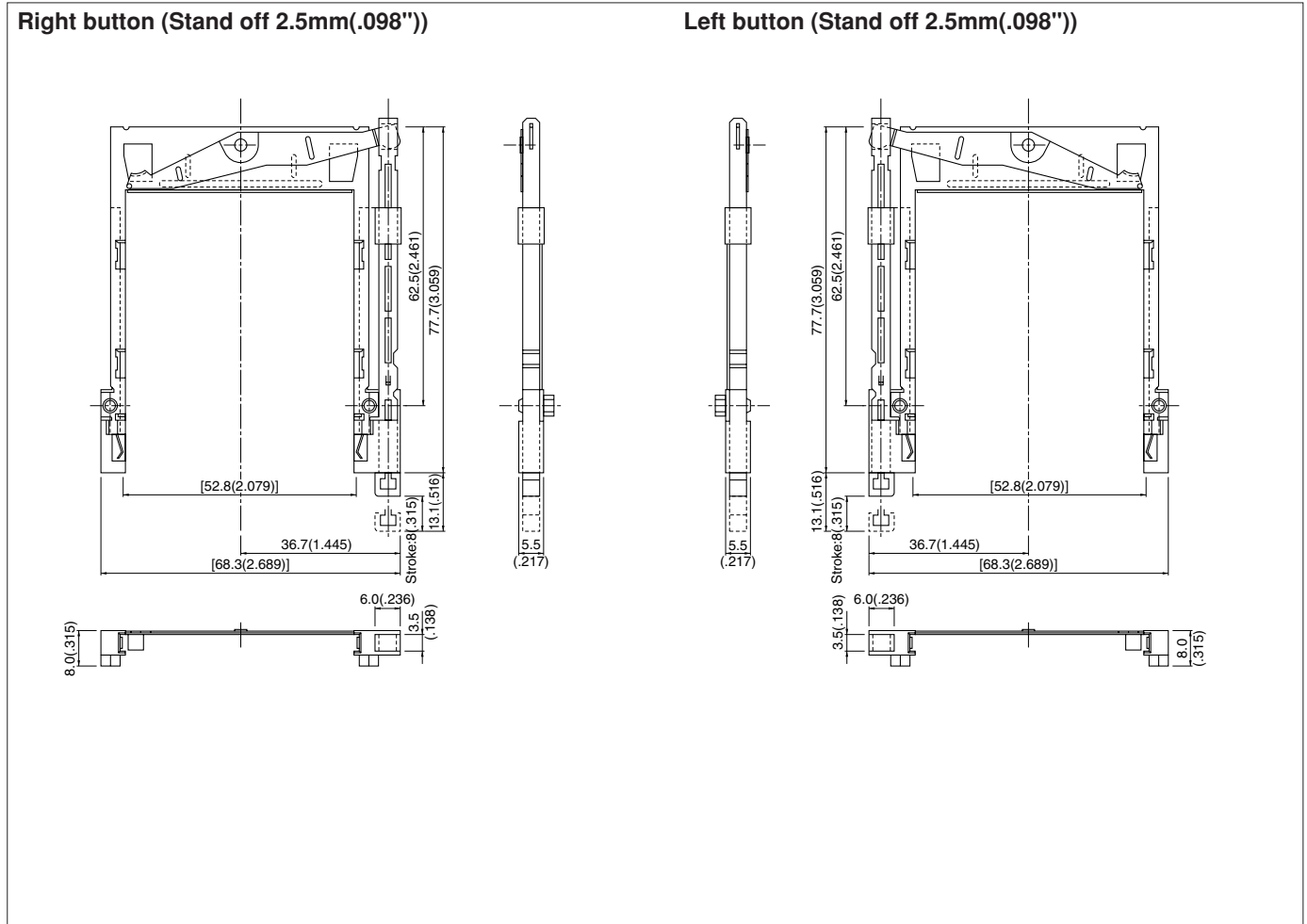
Left button

Button	Model No.	Applicable header	Q'ty / box
Left	ICME-C68L-300HA	ICM-C68H-S112-400N1 ICM-C68H-S112-400R1	20

Material and Finish
Guide bar: PBT, UL94V-0 Frame: Stainless steel Rotating arm: Stainless steel Push bar: PBT, UL94V-0 Eyelect: Copper alloy

PC CARD CONNECTOR C TYPE

Ejector / SMT type (for Type III cards)



Right button

Button	Model No.	Applicable header	Q'ty / box
Right	ICME-C68R-303H	ICM-C68H-S112-403N1	20

Material and Finish
Guide bar: PBT, UL94V-0 Frame: Stainless steel Rotating arm: Stainless steel Push bar: PBT, UL94V-0 Eyelect: Copper alloy

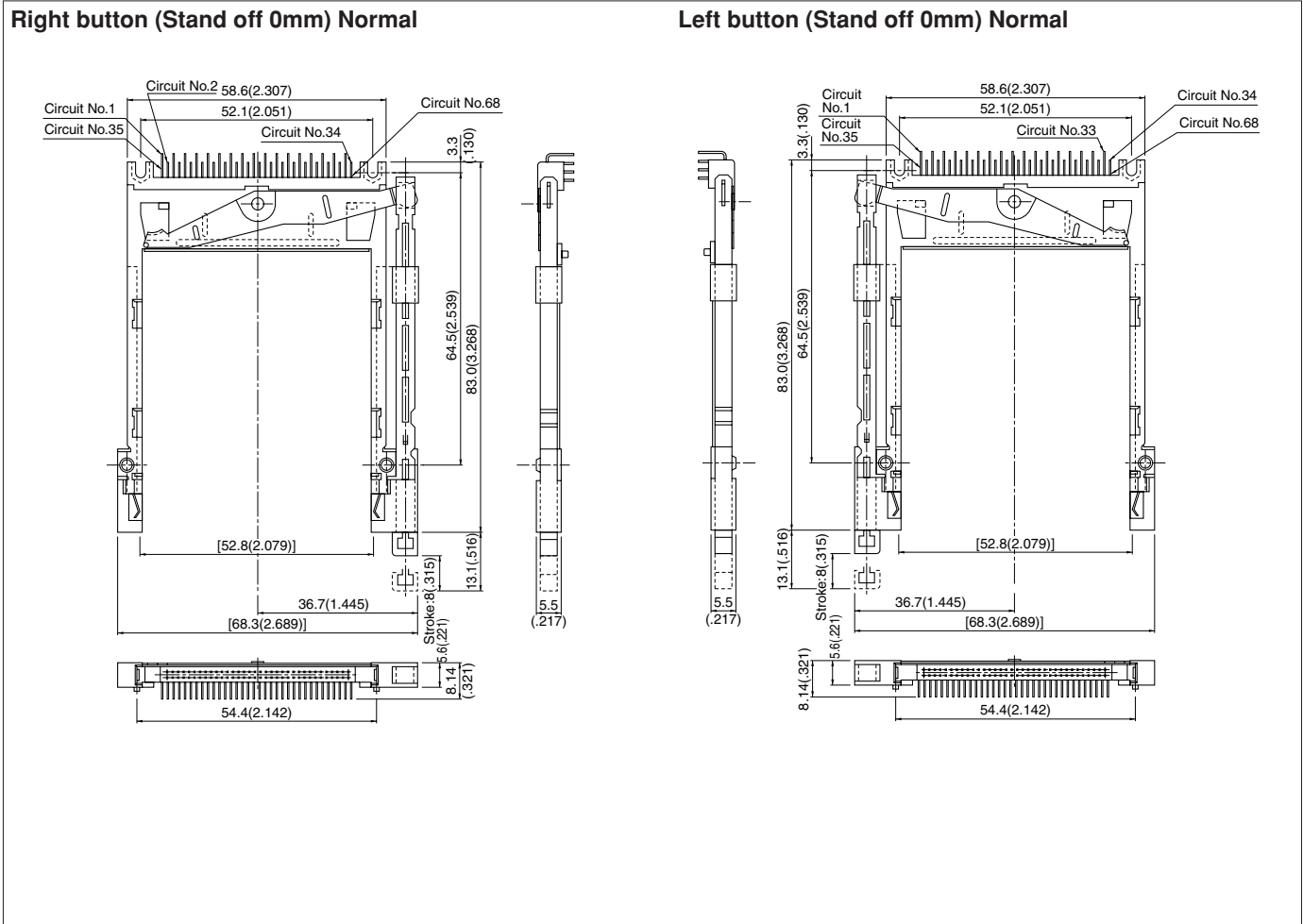
Left button

Button	Model No.	Applicable header	Q'ty / box
Left	ICME-C68L-303H	ICM-C68H-S112-403N1	20

Material and Finish
Guide bar: PBT, UL94V-0 Frame: Stainless steel Rotating arm: Stainless steel Push bar: PBT, UL94V-0 Eyelect: Copper alloy

PC CARD CONNECTOR C TYPE

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



Right button

Button	Model No.	Q'ty / box
Right	ICME68H-R0-D1120NHA	—

Material and Finish	
Contact: Phosphor bronze, nickel-undercoated	Guide bar: PBT, UL94V-0
Mating section...Gold-plated	Frame: Stainless steel
Solder tail...Tin/lead-plated	Rotating arm: Stainless steel
Housing: PBT, UL94V-0	Push bar: PBT, UL94V-0
	Eyelect: Copper alloy

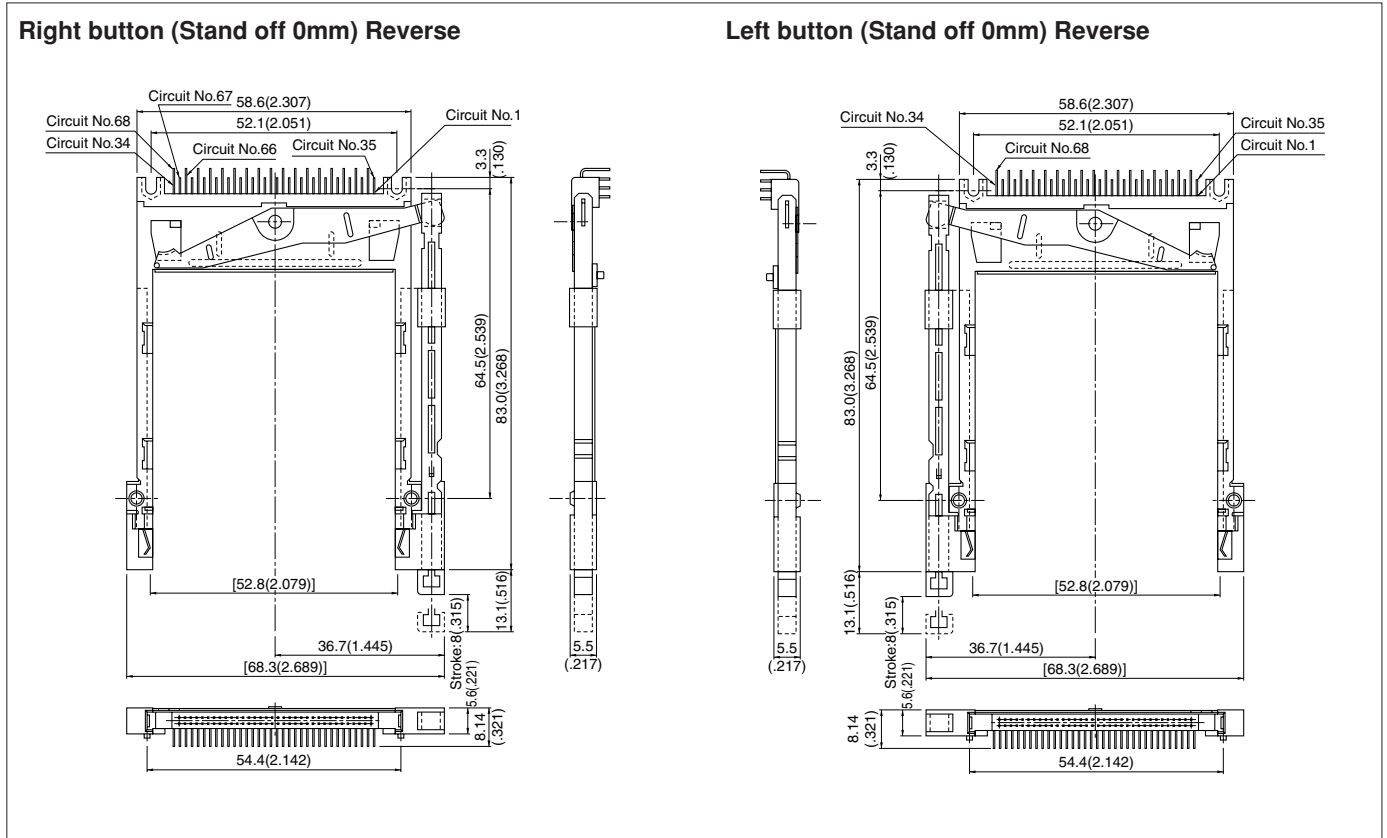
Left button

Button	Model No.	Q'ty / box
Left	ICME68H-L0-D1120NHA	—

Material and Finish	
Contact: Phosphor bronze, nickel-undercoated	Guide bar: PBT, UL94V-0
Mating section...Gold-plated	Frame: Stainless steel
Solder tail...Tin/lead-plated	Rotating arm: Stainless steel
Housing: PBT, UL94V-0	Push bar: PBT, UL94V-0
	Eyelect: Copper alloy

PC CARD CONNECTOR C TYPE

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



Right button

Button	Model No.	Q'ty / box
Right	ICME68H-R0-D1120RHA	—

Material and Finish	
Contact: Phosphor bronze, nickel-undercoated	Guide bar: PBT, UL94V-0
Mating section...Gold-plated	Frame: Stainless steel
Solder tail...Tin/lead-plated	Rotating arm: Stainless steel
Housing: PBT, UL94V-0	Push bar: PBT, UL94V-0
	Eyelect: Copper alloy

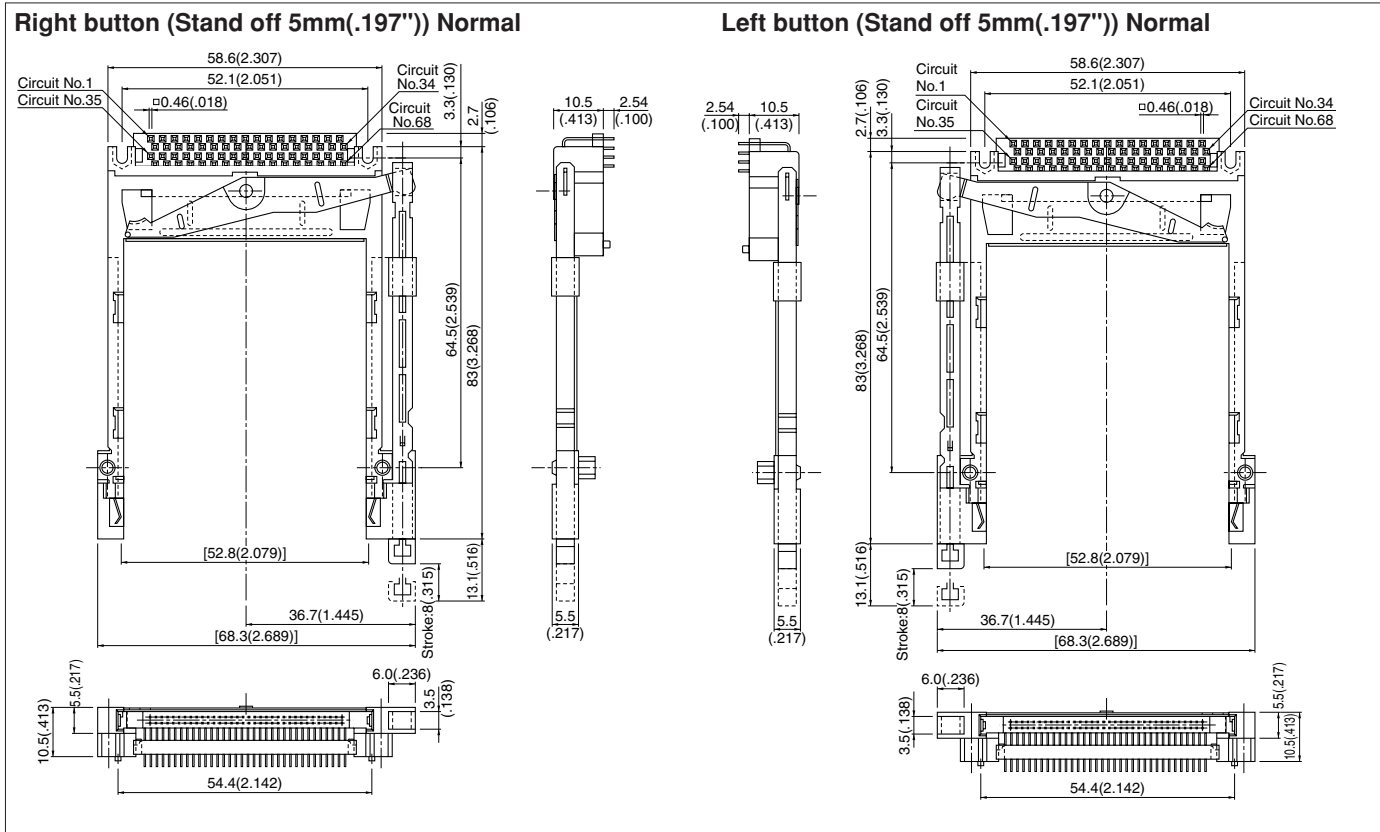
Left button

Button	Model No.	Q'ty / box
Left	ICME68H-L0-D1120RHA	—

Material and Finish	
Contact: Phosphor bronze, nickel-undercoated	Guide bar: PBT, UL94V-0
Mating section...Gold-plated	Frame: Stainless steel
Solder tail...Tin/lead-plated	Rotating arm: Stainless steel
Housing: PBT, UL94V-0	Push bar: PBT, UL94V-0
	Eyelect: Copper alloy

PC CARD CONNECTOR C TYPE

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



Right button

Button	Model No.	Qty / box
Right	ICME68H-R0-D1121NHA	—

Material and Finish	
Contact: Phosphor bronze, nickel-undercoated	Guide bar: PBT, UL94V-0
Mating section...Gold-plated	Frame: Stainless steel
Solder tail...Tin/lead-plated	Rotating arm: Stainless steel
Housing: PBT, UL94V-0	Push bar: PBT, UL94V-0
Locator: PBT, UL94V-0	Eyelect: Copper alloy

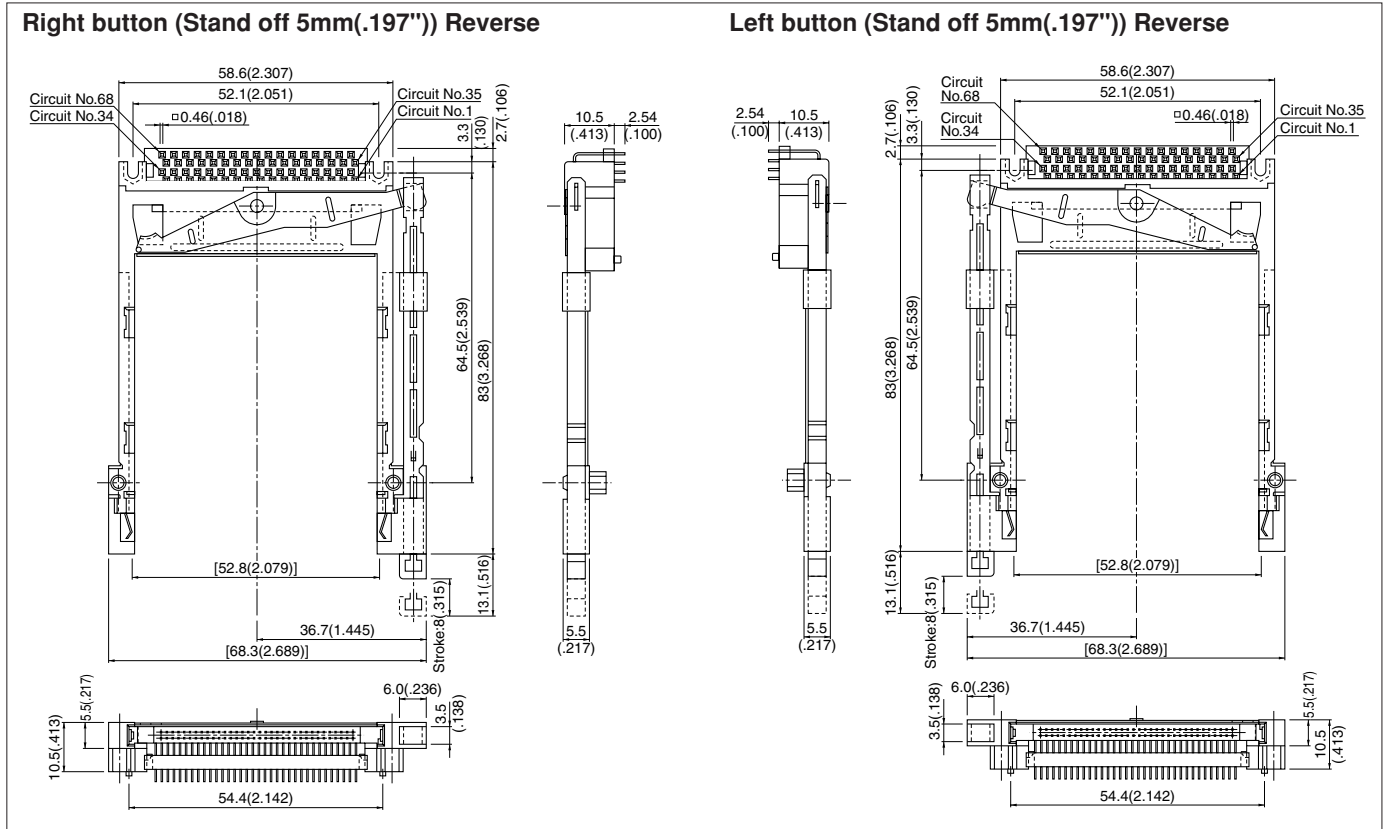
Left button

Button	Model No.	Qty / box
Left	ICME68H-L0-D1121NHA	—

Material and Finish	
Contact: Phosphor bronze, nickel-undercoated	Guide bar: PBT, UL94V-0
Mating section...Gold-plated	Frame: Stainless steel
Solder tail...Tin/lead-plated	Rotating arm: Stainless steel
Housing: PBT, UL94V-0	Push bar: PBT, UL94V-0
Locator: PBT, UL94V-0	Eyelect: Copper alloy

PC CARD CONNECTOR C TYPE

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



Right button

Button	Model No.	Q'ty / box
Right	ICME68H-R0-D1121RHA	—

Left button

Button	Model No.	Q'ty / box
Left	ICME68H-L0-D1121RHA	—

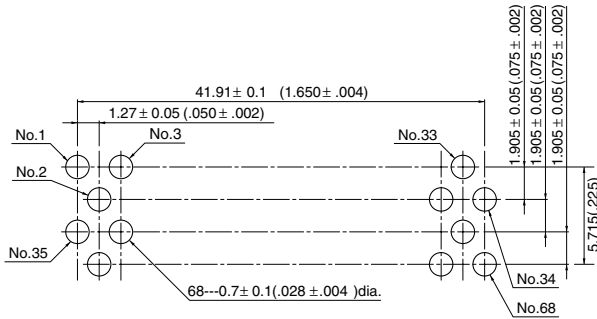
Material and Finish	
Contact: Phosphor bronze, nickel-undercoated	Guide bar: PBT, UL94V-0
Mating section...Gold-plated	Frame: Stainless steel
Solder tail...Tin/lead-plated	Rotating arm: Stainless steel
Housing: PBT, UL94V-0	Push bar: PBT, UL94V-0
Locator: PBT, UL94V-0	Eyelect: Copper alloy

Material and Finish	
Contact: Phosphor bronze, nickel-undercoated	Guide bar: PBT, UL94V-0
Mating section...Gold-plated	Frame: Stainless steel
Solder tail...Tin/lead-plated	Rotating arm: Stainless steel
Housing: PBT, UL94V-0	Push bar: PBT, UL94V-0
Locator: PBT, UL94V-0	Eyelect: Copper alloy

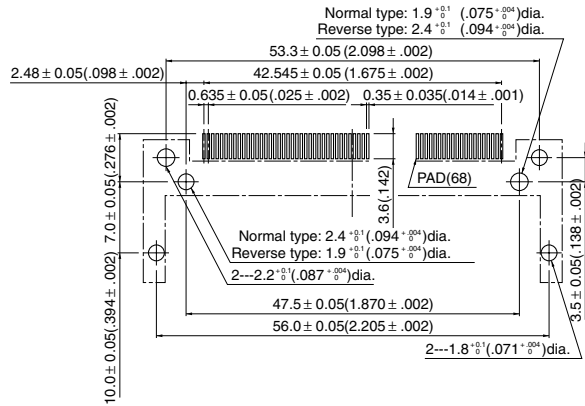
PC CARD CONNECTOR C TYPE

PC board layout (viewed from component side)

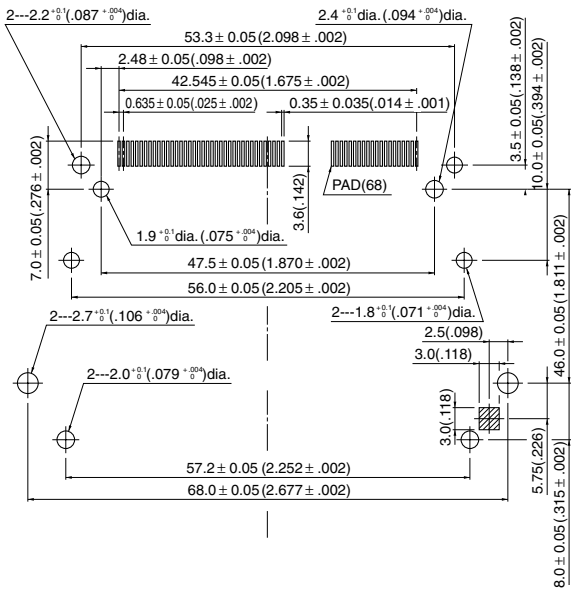
Header/Through-hole type(for Type I, II cards)



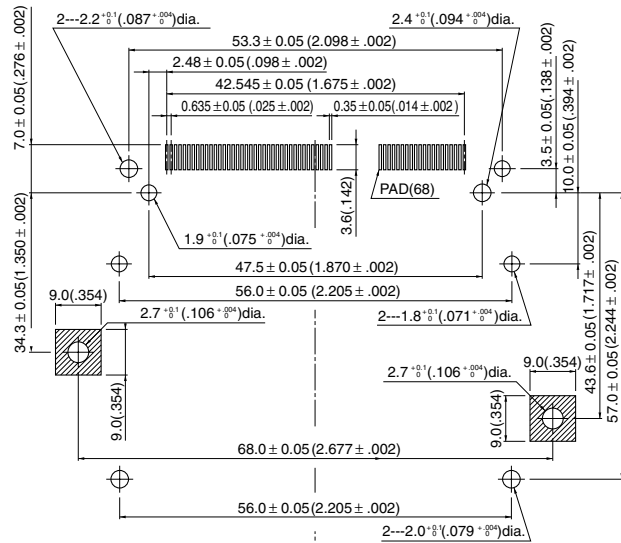
Header/SMT type(for Type I, II cards) (Refer to Note 3 below)



Ejector(for Type I cards) (Refer to Note 4 below)



Ejector(for Type II cards) (Refer to Note 5 below)

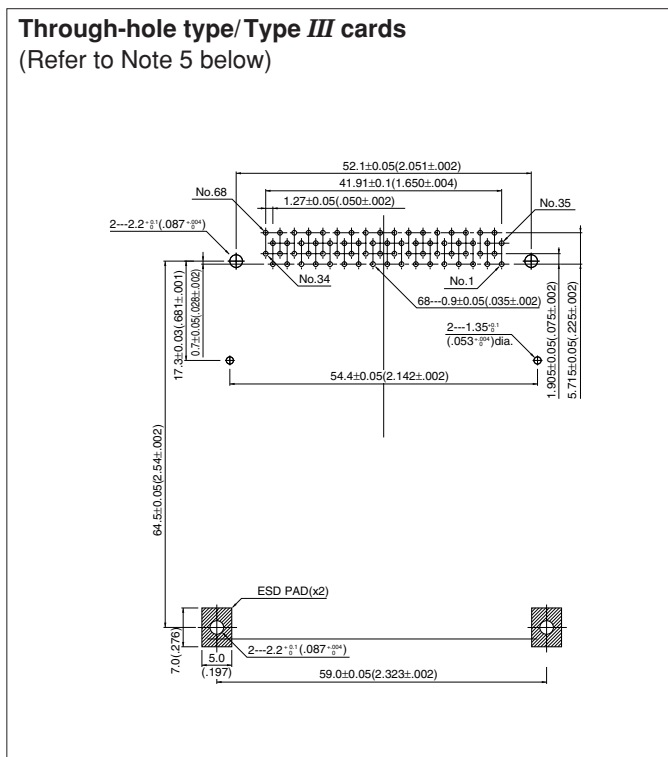
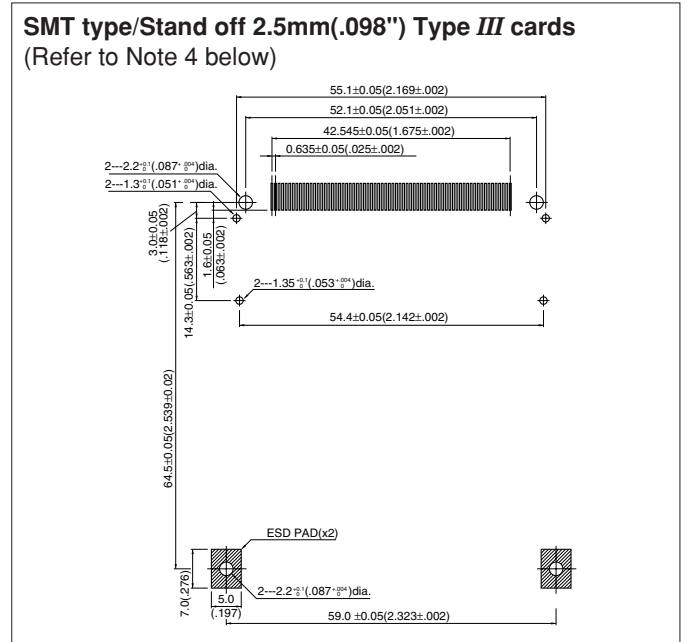
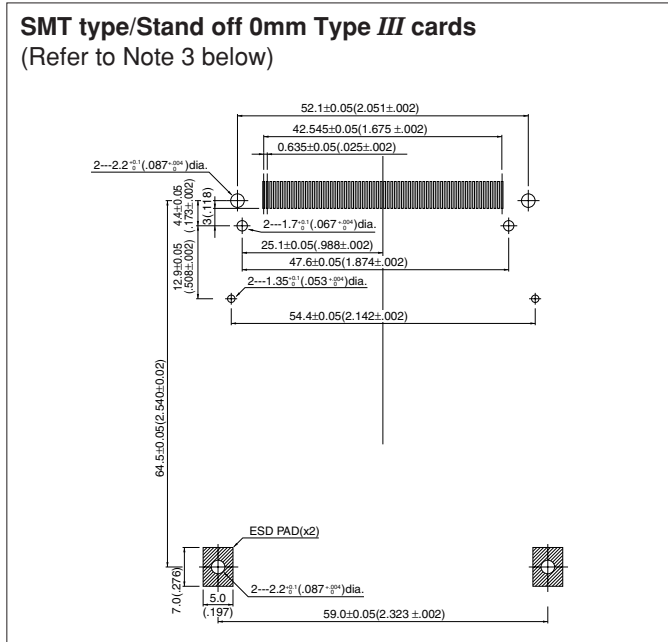


Note:

1. The dimensions above should serve as a guideline. Contact JST for details.
2. Tolerances are non-cumulative: $\pm 0.05\text{mm}(\pm .002")$ for all centers.
3. This layout is applied to the headers Model Nos. ICM-C68H-SS1A-4103/-4108/-4109.
4. This layout is applied to the header Model No. ICM-C68H-SS1A-4103.
5. This layout is applied to the header Model No. ICM-C68H-SS1A-4108.

PC CARD CONNECTOR C TYPE

PC board layout (viewed from component side)



Note:

1. The dimensions above should serve as a guideline. Contact JST for details.
2. Tolerances are non-cumulative: $\pm 0.05\text{mm}(\pm .002")$ for all centers.
3. This layout is applied to the headers Model Nos. ICM-C68H-S112-400N1/400R1 and to ejectors Model Nos. ICME-C68L-300H/C68R-300H.
4. This layout is applied to the header Model No. ICM-C68H-S112-403N1 and to ejectors Model Nos. ICME-C68L-303H/C68R-303H.
5. This layout is applied to the ejector mounted headers Model Nos. ICME-68H-R0-D1120RH/L0-D1120RH/R0-P1121RH/L0-D1121RH.