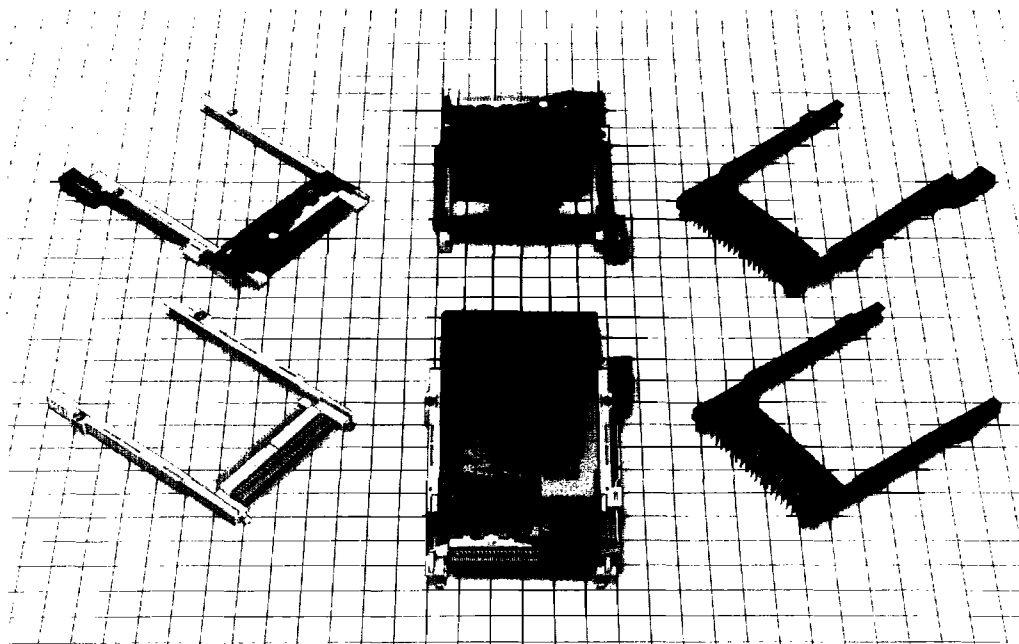


# HRS IC7 Series

## Miniature, Lightweight Pin Connectors Suitable for PCMCIA Type III Cards JEIDA Ver. 4.2 Compliant

### ■ GENERAL

The IC7 Series of miniature, lightweight 68-pin connectors complies with JEIDA Ver. 4.2 and is suitable for use with PCMCIA (PC Memory Card International Association) type III cards.



### ■ FEATURES

- (1) Smaller and thinner than our previous product at 85 mm long, 65 mm wide, and 5.4 mm thick.
- (2) Forty-seven percent lighter than our previous product at a weight of approximately 12.5 gf.
- (3) Equipped with an eject button for smooth removal of cards.
- (4) Two types of eject button, either left or right, are available to suit the application.
- (5) There is also a reverse type for mounting on the back surface of the board.
- (6) Equipped with a frame ground terminal.
- (7) Types available for dip and SMT board mounting methods.
- (8) The SMT type can be mounted on both sides of the board and can also be used as a 2-slot connector.
- (9) A type equipped with stand-offs (2.2 mm) which permits parts to be mounted under the connector is also available.
- (10) A space-saving type without an eject mechanism is also available.
- (11) Types for use with low voltage (3.3 V) cards are also now available.
- (12) An absorption plate mounting product which can be used with automatic mounting is also now available in the SMT type.

## MATERIALS AND PROCESSING

Item			Material	Finish		Note
Insulation	Connector portion	Dip type	PBT resin	Black		UL94V-0
		SMT type	PPS resin	Light brown		UL94V-0
	Eject button		Polyamide resin	Black		UL94V-0
Pins	Connector portion		Brass	Contact portion	Gold plating	—
				Mounting portion	Solder plating	—
	Frame ground terminal		Phosphor bronze	Contact portion	Gold plating	—
				Other	Nickel plating	—
Eject section fittings			SUS			—
Nuts			Copper	Nickel plating		—
Locking pins			Phosphor bronze	Solder plating		—
Strengthened fittings			Brass	Solder plating		—
Absorption plate			PPS resin	Brown		UL94V-0

## ELECTRICAL PERFORMANCE

Item	Conditions	Rating
Current capacity	Per pin	0.5 A
Withstand voltage	One minute at rated value	500 V AC
Insulation resistance	At 500 V DC	1,000 MΩ or greater
Contact resistance	At 1 mA DC	40 mΩ or less

## STRUCTURE OF THE PRODUCT NUMBER

**IC7 A — 68 PD R — 1.27 SFL — EJR — C (40)**

Series name

Stand-off type

Blank : No stand-offs

A : 2.2 mm (SM type)

Number of pins: 68

Power supply voltage type

PD : Can be used with the  
5 V type

PL : Can be used with the  
3.3 V type

Card insertion direction type

Blank : Standard

R : Reverse

Contact spacing: 1.27 mm

Modification number

(IC7 Series only)

Blank : Standard product

40 : Without FG terminal  
nut

Absorption plate (product  
for use with automatic  
mounting)

Blank : Without

C : With absorption plate

Eject button position\*

Blank : Type without eject  
mechanism

EJR : Right side

EJL : Left side

Mounting method

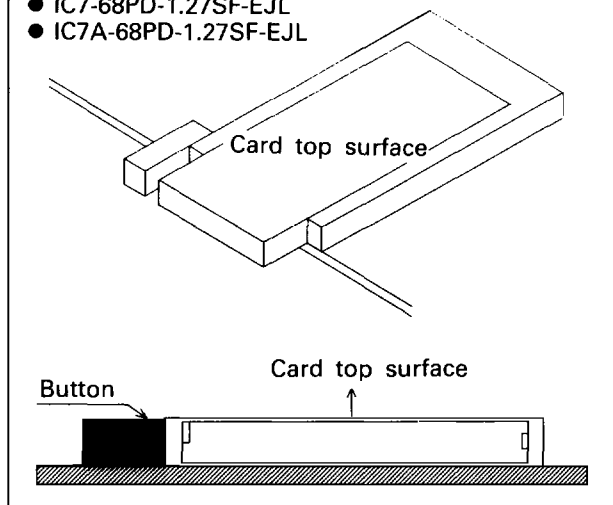
DS : Right angle dip type

SF : Surface mount type

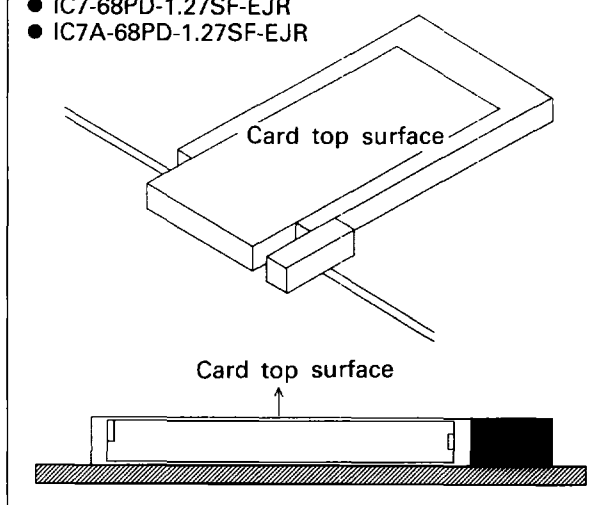
SFL : As above, with  
strengthened fittings

## **Examples of Connector Mounting** **<Standard type>**

- IC7-68PD-1.27DS-EJL
- IC7-68PD-1.27SF-EJL
- IC7A-68PD-1.27SF-EJL

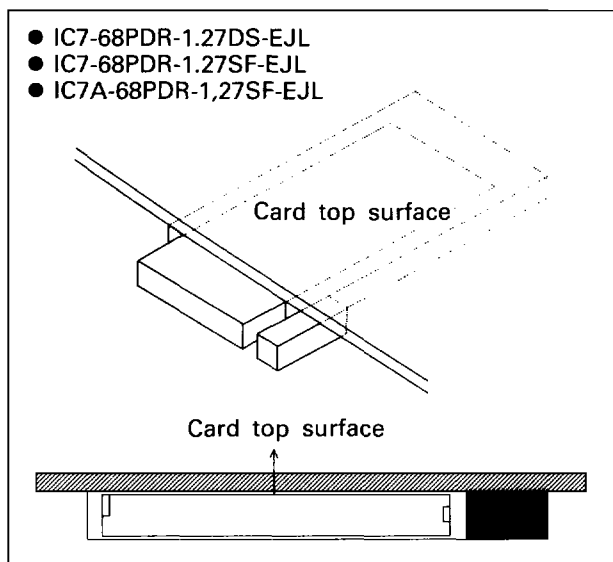


- IC7-68PD-1.27DS-EJR
- IC7-68PD-1.27SF-EJR
- IC7A-68PD-1.27SF-EJR

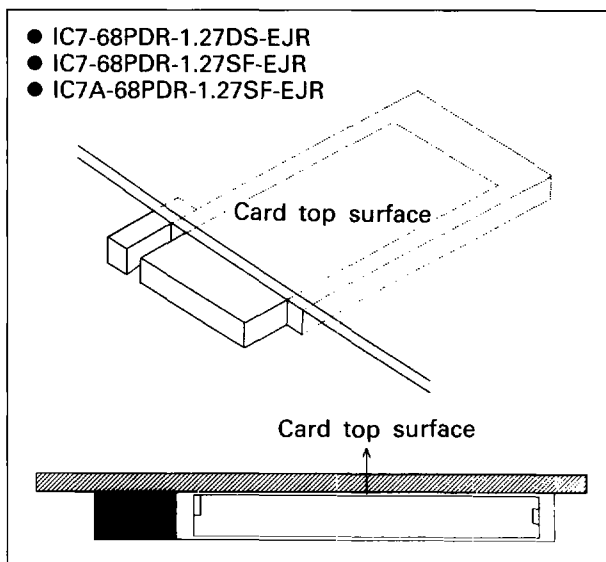


## **<Reverse type>**

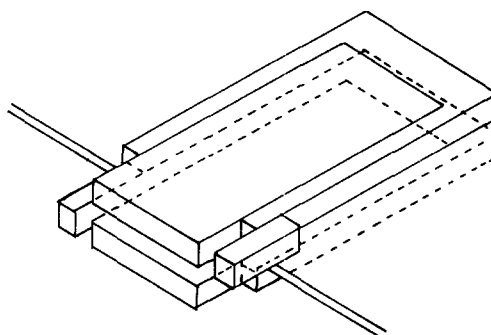
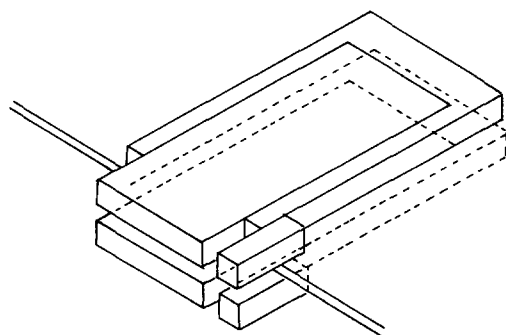
- IC7-68PDR-1.27DS-EJL
- IC7-68PDR-1.27SF-EJL
- IC7A-68PDR-1.27SF-EJL



- IC7-68PDR-1.27DS-EJR
- IC7-68PDR-1.27SF-EJR
- IC7A-68PDR-1.27SF-EJR

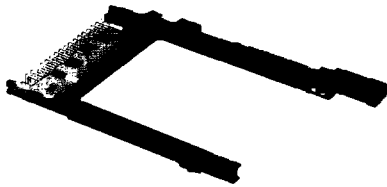


## **Example of Mounting on Both Sides of Board (SMT Type)**



5

- Eject button right side
- Standard type and reverse type



Standard type  
IC7-68PD-1.27DS-EJR  
CL640-0401-0



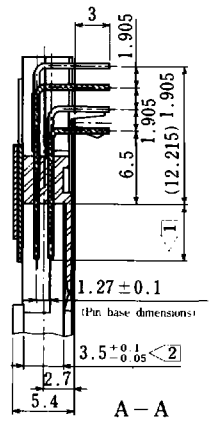
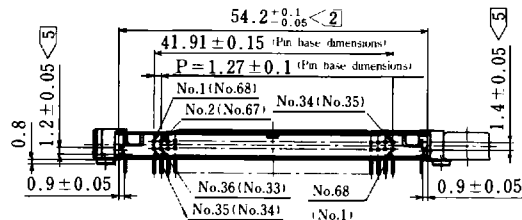
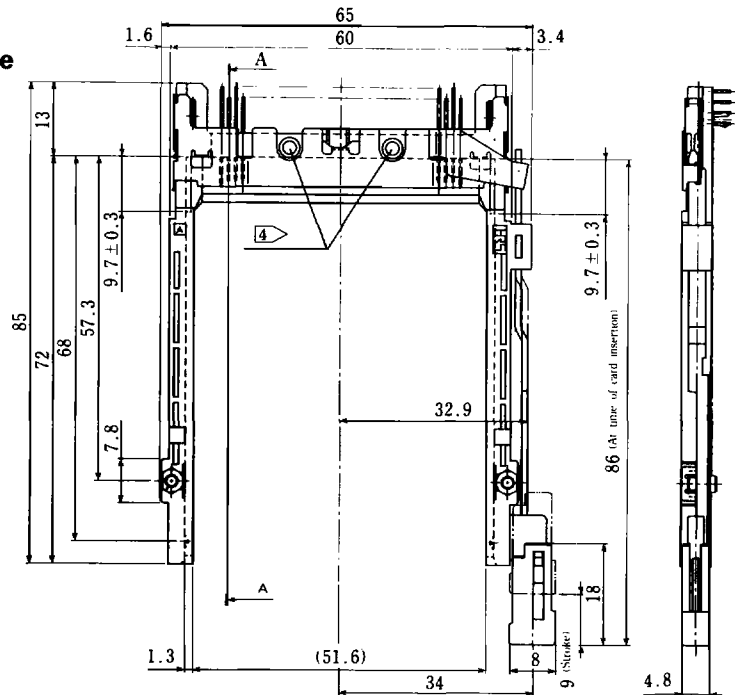
Reverse type   
IC7-68PDR-1.27DS-EJR  
CL640-0462-2

Table 1  1

Pin No.	Pin Length
1, 17, 34, 35, 51, 68	$5.0 \pm 0.1$
36, 67	$3.5 \pm 0.1$
Other than above	$4.25 \pm 0.1$



NOTE: ① The lengths of pins on the engagement side are indicated in Table 1.

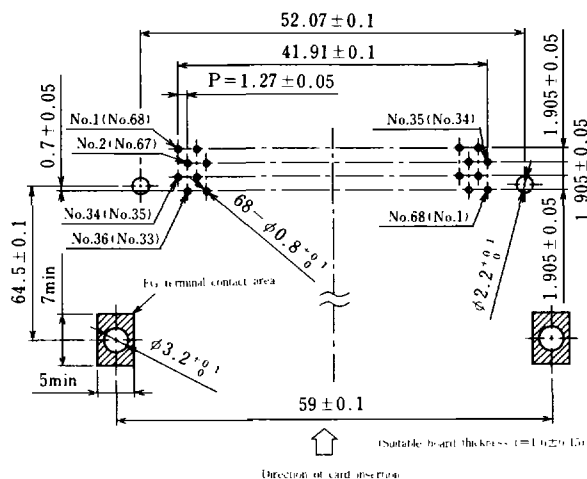
② The applicable range of indicated dimensions ( $54.2^{+0.1}_{-0.05}$ ,  $3.5^{+0.1}_{-0.05}$ ) are taken as 10 mm from the bottom.

③ The FG (frame ground) terminal of this product is press-fit to the board with a screw to make contact at the FG terminal press-fit area. Therefore, the FG terminal should be securely fastened from the bottom surface of the board using a screw (M2×0.4), flat washer, and lock washer. (See the example of screw fastening.)

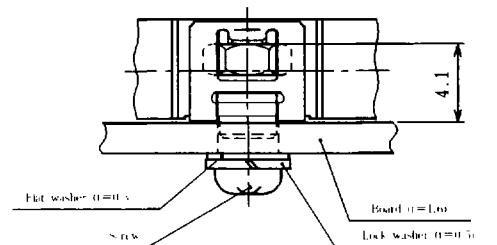
④ Pay attention to the pin numbers since the reverse type is marked "R".  
See the numbers in parentheses ( ) for the pin numbers of the reverse type.

⑤ The guide groove dimensions of the reverse type are left-right reversed.

### ◆ PCB Layout (Mounting Side)

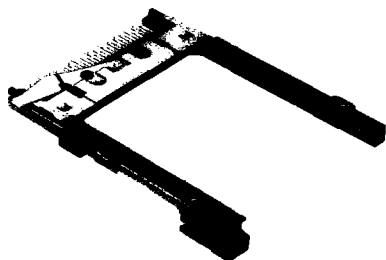


**◆ Example of Screw Fastening (Recommended)**



## ■ 68-CONTACT PIN CONNECTORS

- Eject button left side
- Standard type and reverse type



Standard type  
IC7-68PD-1.27DS-EJL  
CL640-0403-5


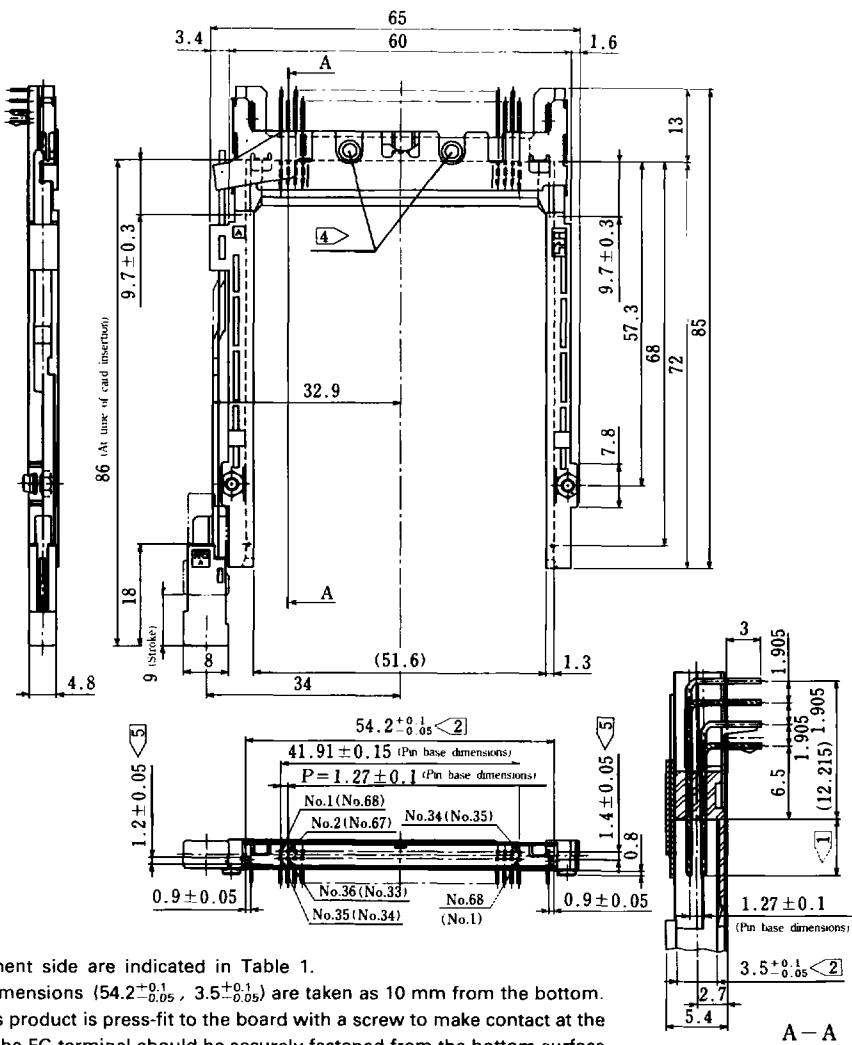
Reverse type   
IC7-68PDR-1.27DS-EJL  
CL640-0404-8

Table 1  1

Pin No.	Pin Length
1, 17, 34, 35, 51, 68	$5.0 \pm 0.1$
36, 67	$3.5 \pm 0.1$
Other than above	$4.25 \pm 0.1$



NOTE: 1 The lengths of pins on the engagement side are indicated in Table 1.

2 The applicable range of indicated dimensions  $(54.2^{+0.1}_{-0.05}, 3.5^{+0.1}_{-0.05})$  are taken as 10 mm from the bottom.

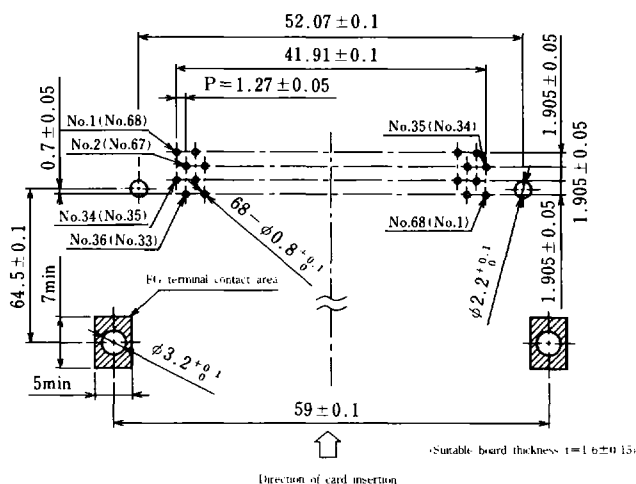
3> The FG (frame ground) terminal of this product is press-fit to the board with a screw to make contact at the FG terminal press-fit area. Therefore, the FG terminal should be securely fastened from the bottom surface of the board using a screw (M2×0.4), flat washer, and lock washer. (See the example of screw fastening.)

4 Pay attention to the pin numbers since the reverse type is marked "R".

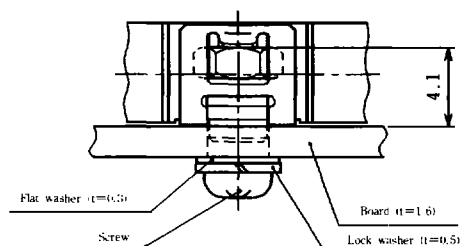
See the numbers in parentheses ( ) for the pin numbers of the reverse type.

5> The guide groove dimensions of the reverse type are left-right reversed.

### PCB Layout (Mounting Side)

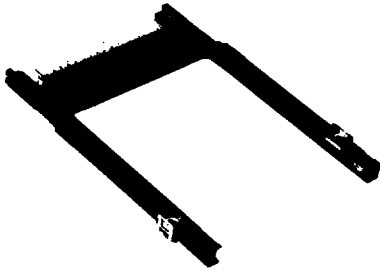


**Example of Screw Fastening (Recommended)**



## 68-CONTACT PIN CONNECTORS

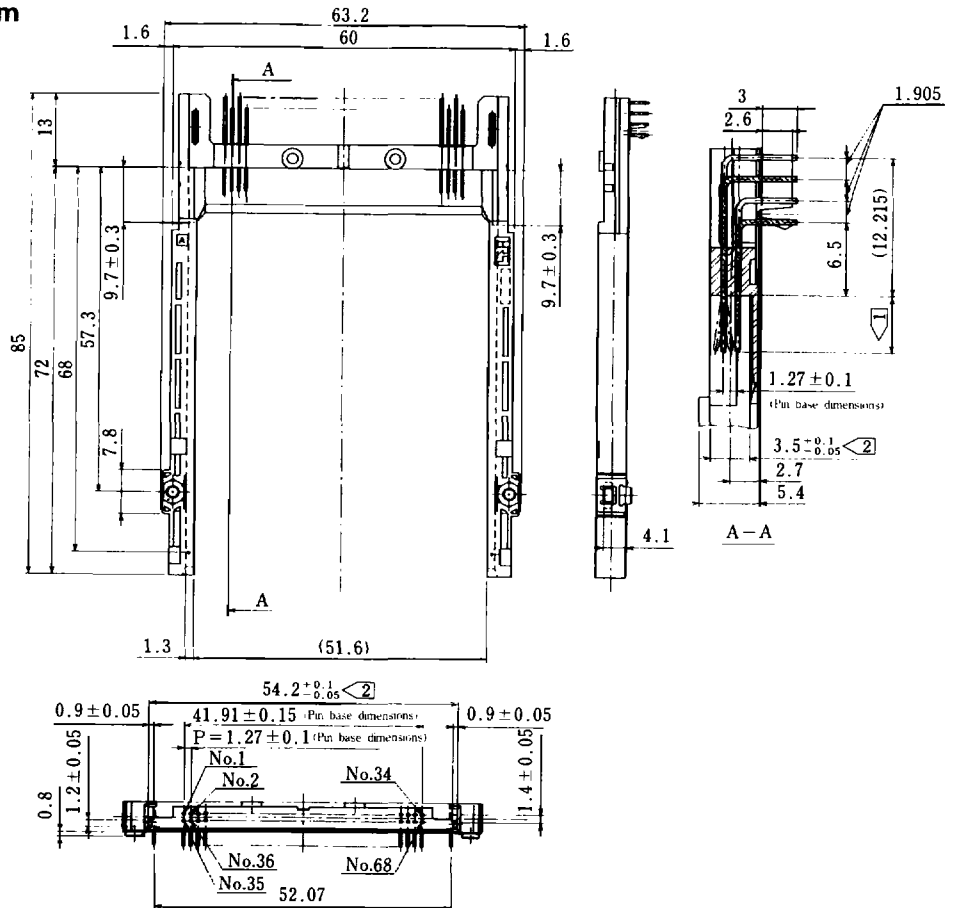
### Without ejector mechanism



IC7-68PD-1.27DS  
CL640-0405-0

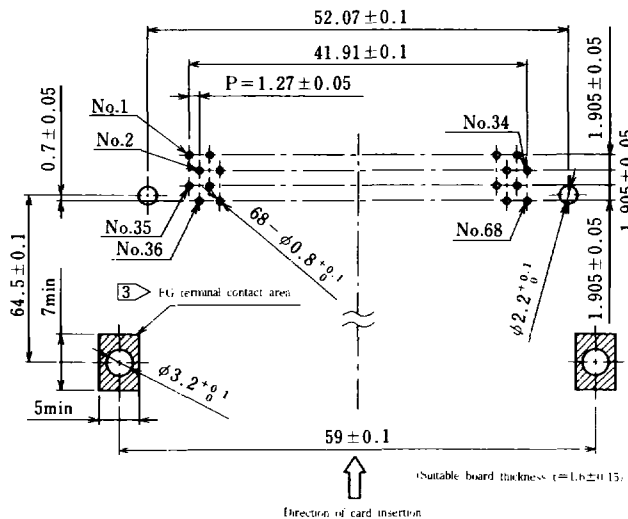
Table 1 1

Pin No.	Pin Length
1, 17, 34, 35, 51, 68	$5.0 \pm 0.1$
36, 67	$3.5 \pm 0.1$
Other than above	$4.25 \pm 0.1$

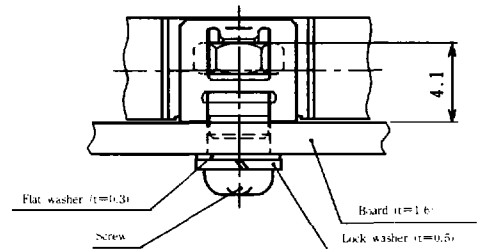


- NOTE: 1 The lengths of pins on the engagement side are indicated in Table 1.  
2 The applicable range of indicated dimensions ( $54.2^{+0.1}_{-0.05}$ ,  $3.5^{+0.1}_{-0.05}$ ) are taken as 10 mm from the bottom.  
3 The FG (frame ground) terminal of this product is press-fit to the board with a screw to make contact at the FG terminal press-fit area. Therefore, the FG terminal should be securely fastened from the bottom surface of the board using a screw (M2×0.4), flat washer, and lock washer. (See the example of screw fastening.)

### PCB Layout (Mounting Side)

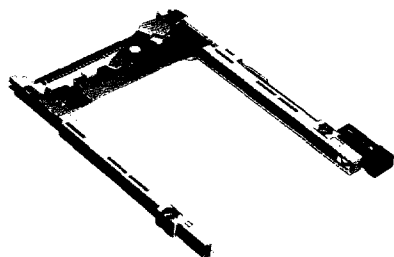


### Example of Screw Fastening (Recommended)

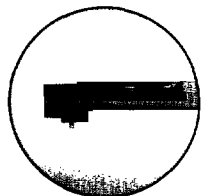


## 68-CONTACT PIN CONNECTORS

- Surface mount type
- Eject button right side
- Standard type and reverse type



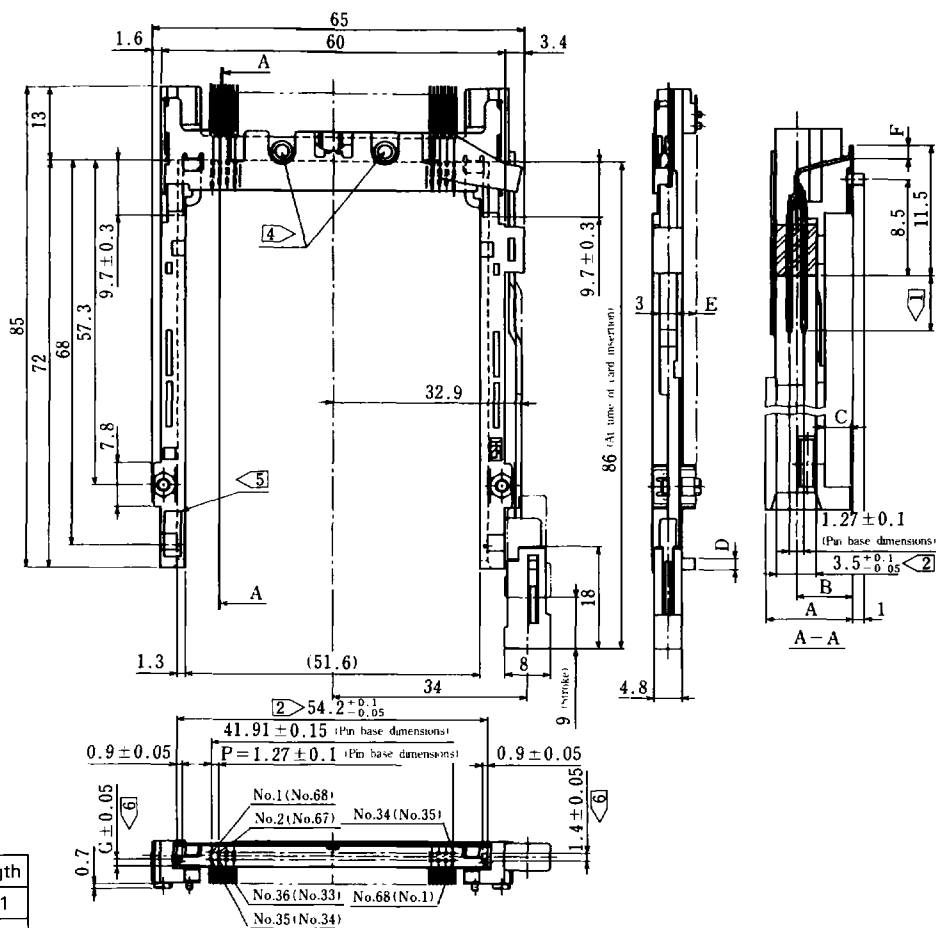
IC7-68PD-1.27SF-EJR  
CL640-0501-4



IC7A-68PD-1.27SF-EJR  
CL640-0511-8

Table 1 1

Pin No.	Pin Length
1, 17, 34, 35, 51, 68	$5.0 \pm 0.1$
36, 67	$3.5 \pm 0.1$
Other than above	$4.25 \pm 0.1$



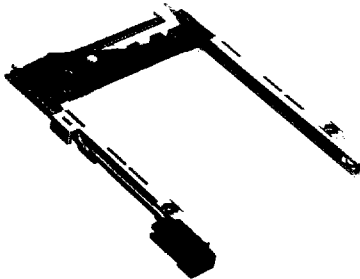
Unit: mm

HRS No.	Product No.	A	B	C	D	E	F	G	Power supply voltage type
<span style="border: 1px solid black; padding: 0 2px;">4</span>	CL640-0501-4	IC7-68PD-1.27SF-EJR	5.4	2.7	0	0	1.2	1.2	5V
<span style="border: 1px solid black; padding: 0 2px;">4</span>	CL640-0502-7	IC7-68PDR-1.27SF-EJR	5.4	2.7	0	0	1.2	1.2	5V
<span style="border: 1px solid black; padding: 0 2px;">4</span>	CL640-0511-8	IC7A-68PD-1.27SF-EJR	7.6	4.9	2.2	2	3.4	1.19	5V
<span style="border: 1px solid black; padding: 0 2px;">4</span>	CL640-0513-3	IC7A-68PDR-1.27SF-EJR	7.6	4.9	2.2	2	3.4	1.19	5V
<span style="border: 1px solid black; padding: 0 2px;">5</span>	CL640-0532-8	IC7-68PL-1.27SF-EJR	5.4	2.7	0	0	1.2	1.2	3.3V
<span style="border: 1px solid black; padding: 0 2px;">5</span> <span style="border: 1px solid black; padding: 0 2px;">4</span>	CL640-0533-0	IC7-68PLR-1.27SF-EJR	5.4	2.7	0	0	1.2	1.2	3.3V

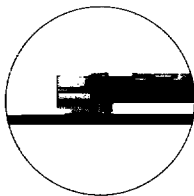
- NOTE: 1 The lengths of pins on the engagement side are indicated in Table 1.
- 2 The applicable range of indicated dimensions ( $54.2^{+0.1}_{-0.05}$ ,  $3.5^{+0.1}_{-0.05}$ ) are taken as 10 mm from the bottom.
- 3 The frame ground (FG) terminal of this product is pressed into contact with the ground area of the board with a screw. Employed from the bottom surface of the board, a screw (M2 × 0.4), flat washer, and spring washer are securely tightened to accomplish this.  
(For details, see the screw fastening example on Page 26.)
- 4 Pay attention to the pin numbers since the reverse type is marked "R".  
See the numbers in parentheses ( ) for the pin numbers of the reverse type.
- 5 The low voltage type is marked with "3.3 V".
- 6 The guide groove dimensions of the reverse type are left-right reversed.

## 68-CONTACT PIN CONNECTORS

- Surface mount type
- Eject button left side
- Standard type and reverse type



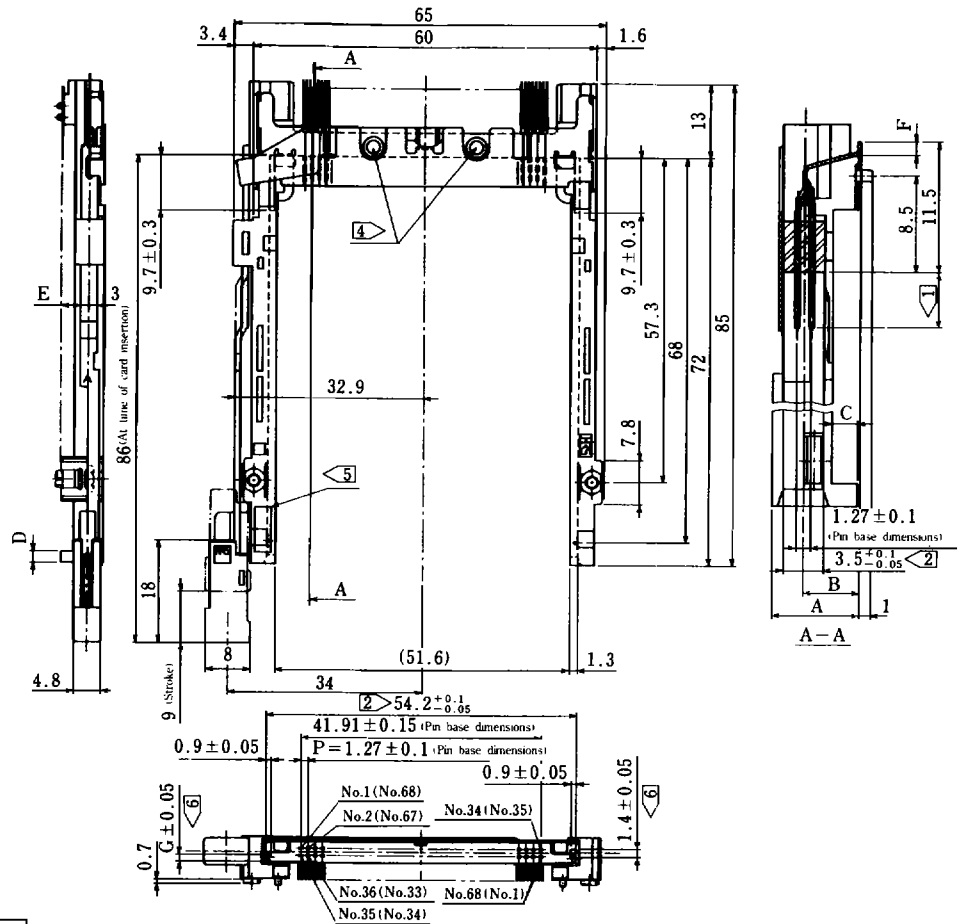
IC7-68PD-1.27SF-EJL  
CL640-0503-0



IC7A-68PD-1.27SF-EJL  
CL640-0512-0

Table 1 1

Pin No.	Pin Length
1, 17, 34, 35, 51, 68	$5.0 \pm 0.1$
36, 67	$3.5 \pm 0.1$
Other than above	$4.25 \pm 0.1$



Unit: mm

HRS No.	Product No.	A	B	C	D	E	F	G	Power supply voltage type
	CL640-0503-0	IC7-68PD-1.27SF-EJL	5.4	2.7	0	0	1.2	1.2	5V
<span style="border: 1px solid black; padding: 0 2px;">4</span>	CL640-0504-2	IC7-68PDR-1.27SF-EJL	5.4	2.7	0	0	1.2	1.2	5V
	CL640-0512-0	IC7A-68PD-1.27SF-EJL	7.6	4.9	2.2	2	3.4	1.19	5V
<span style="border: 1px solid black; padding: 0 2px;">4</span>	CL640-0514-6	IC7A-68PDR-1.27SF-EJL	7.6	4.9	2.2	2	3.4	1.19	5V
<span style="border: 1px solid black; padding: 0 2px;">5</span>	CL640-0534-3	IC7-68PL-1.27SF-EJL	5.4	2.7	0	0	1.2	1.2	3.3V
<span style="border: 1px solid black; padding: 0 2px;">5</span> <span style="border: 1px solid black; padding: 0 2px;">4</span>	CL640-0535-6	IC7-68PLR-1.27SF-EJL	5.4	2.7	0	0	1.2	1.2	3.3V

NOTE: 1 The lengths of pins on the engagement side are indicated in Table 1.

2 The applicable range of indicated dimensions ( $54.2^{+0.1}_{-0.05}$ ,  $3.5^{+0.1}_{-0.05}$ ) are taken as 10 mm from the bottom.

3 The frame ground (FG) terminal of this product is pressed into contact with the ground area of the board with a screw. Employed from the bottom surface of the board, a screw (M2 × 0.4), flat washer, and spring washer are securely tightened to accomplish this.

(For details, see the screw fastening example on Page 26.)

4 Pay attention to the pin numbers since the reverse type is marked "R".  
See the numbers in parentheses ( ) for the pin numbers of the reverse type.

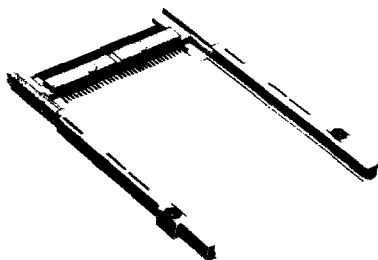
5 The low voltage type is marked with "3.3 V".

6 The guide groove dimensions of the reverse type are left-right reversed.

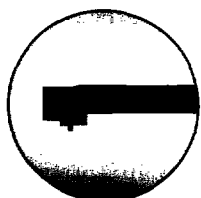


## 68-CONTACT PIN CONNECTORS

- Surface mount type
- Type without eject mechanism
- Standard type and reverse type



IC7-68PD-1.27SF  
CL640-0509-6



IC7A-68PD-1.27SF  
CL640-0519-0

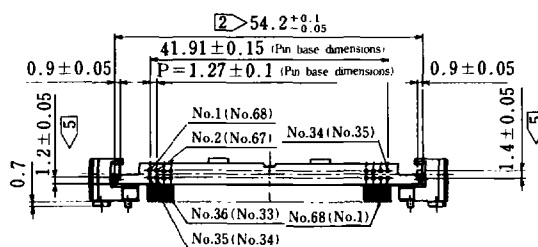
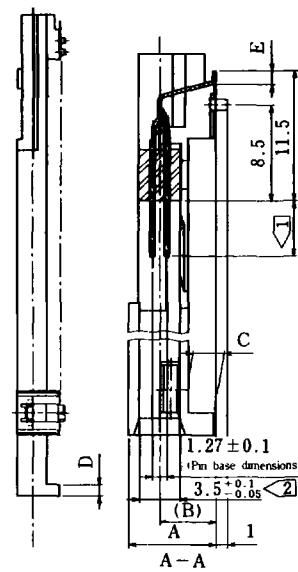
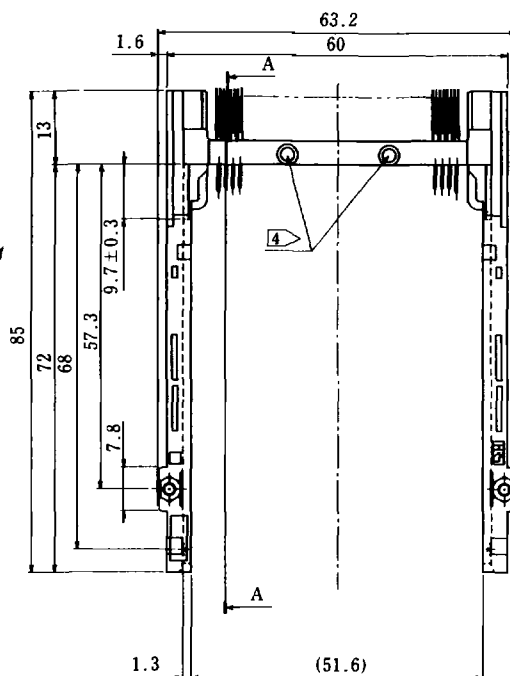


Table 1 1

Pin No.	Pin Length
1, 17, 34, 35, 51, 68	$5.0 \pm 0.1$
36, 67	$3.5 \pm 0.1$
Other than above	$4.25 \pm 0.1$

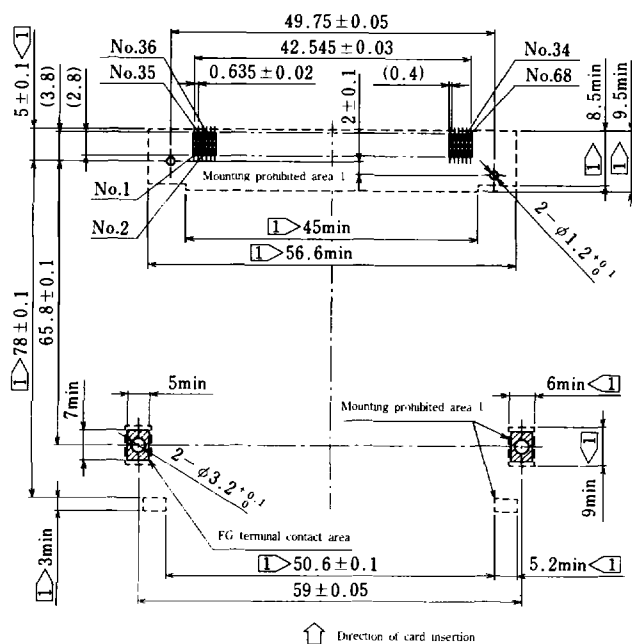
Unit: mm

HRS No.	Product No.	A	B	C	D	E
CL640-0509-6	IC7-68PD-1.27SF	5.4	2.7	0	0	1.2
CL640-0541-9	IC7-68PDR-1.27SF	5.4	2.7	0	0	1.2
CL640-0519-0	IC7A-68PD-1.27SF	7.6	4.9	2.2	2	1.19

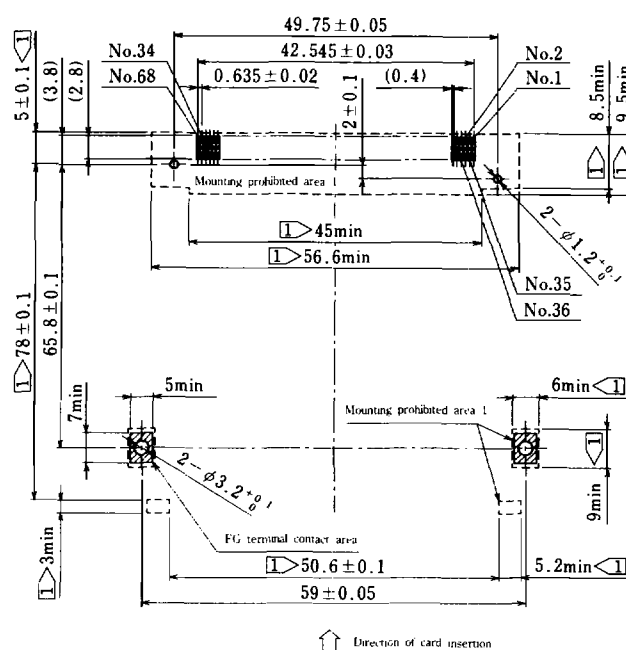
- NOTE: 1 The lengths of pins on the engagement side are indicated in Table 1.
- 2 The applicable range of indicated dimensions ( $54.2^{+0.1}_{-0.05}$ ,  $3.5^{+0.1}_{-0.05}$ ) are taken as 10 mm from the bottom.
- 3 The frame ground (FG) terminal of this product is pressed into contact with the ground area of the board with a screw. Employed from the bottom surface of the board, a screw (M2 × 0.4), flat washer, and spring washer are securely tightened to accomplish this.  
(For details, see the screw fastening example on Page 26.)
- 4 Pay attention to the pin numbers since the reverse type is marked "R".  
See the numbers in parentheses ( ) for the pin numbers of the reverse type.
- 5 The guide groove dimensions of the reverse type are left-right reversed.

## 

Standard Type

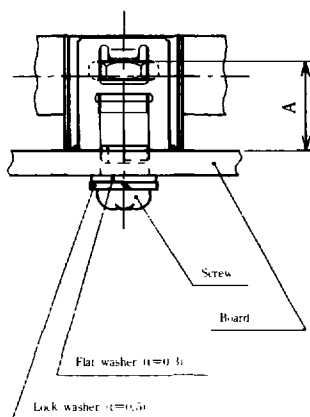


Reverse Type



- NOTE: 1 The IC7A Series has a mounting space for parts with a maximum height of 2 mm located under the connector section. Note that mounting of parts is prohibited in "Mounting prohibited area 1" inside the dotted lines.
- 2 The entire surface of the mounting portion of the IC7 Series is a mounting prohibited area.

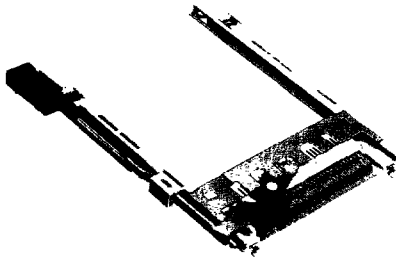
## 



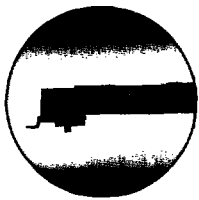
Series Name	A
IC7	4.1
IC7A	6.3

## 68-CONTACT PIN CONNECTORS

- Surface mount type
- Eject button right side
- Standard type and reverse type
- With strengthened fittings



IC7-68PD-1.27SFL-EJR  
CL640-0505-5



IC7A-68PD-1.27SFL-EJR  
CL640-0515-9

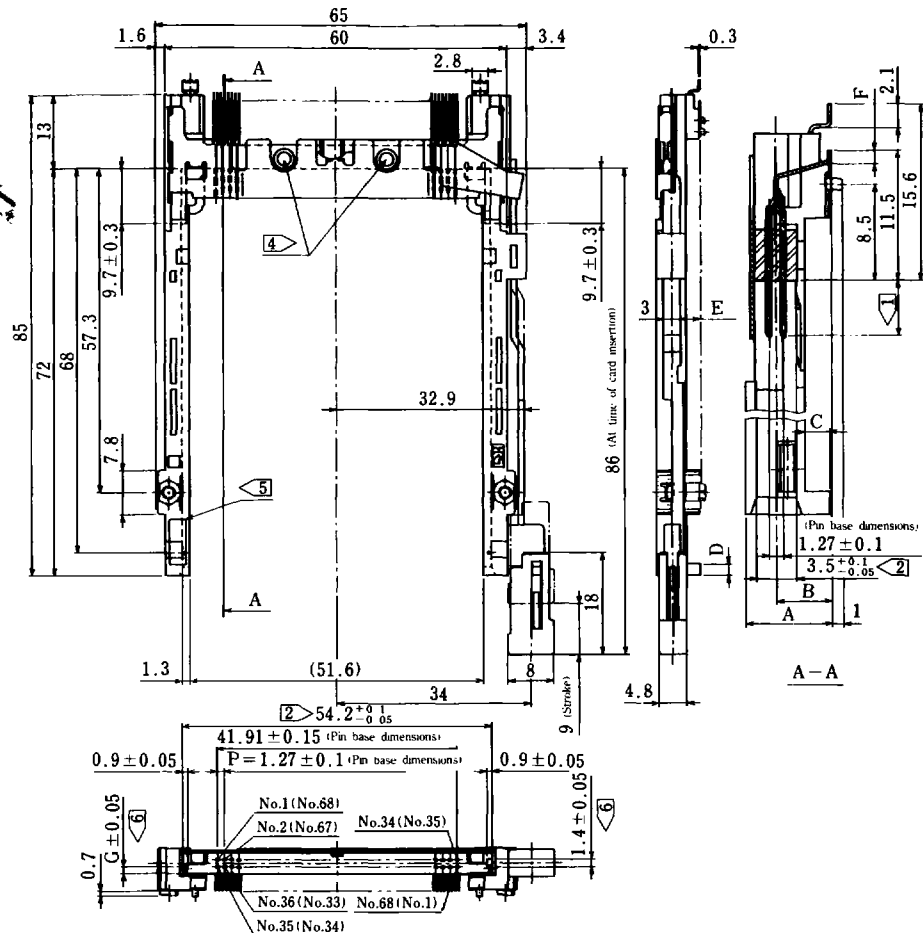


Table 1 ①

Pin No.	Pin Length
1, 17, 34, 35, 51, 68	$5.0 \pm 0.1$
36, 67	$3.5 \pm 0.1$
Other than above	$4.25 \pm 0.1$

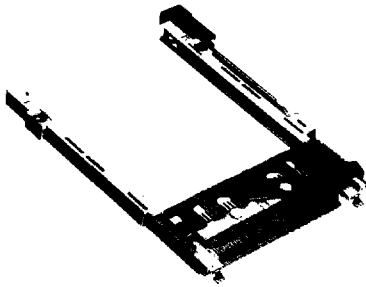
Unit: mm

HRS No.	Product No.	A	B	C	D	E	F	G	Power supply voltage type
CL640-0505-5	IC7-68PD-1.27SFL-EJR	5.4	2.7	0	0	1.2	1.2	1.2	5V
④ CL640-0506-8	IC7-68PDR-1.27SFL-EJR	5.4	2.7	0	0	1.2	1.2	1.2	5V
CL640-0515-9	IC7A-68PD-1.27SFL-EJR	7.6	4.9	2.2	2	3.4	1.19	1.2	5V
④ CL640-0517-4	IC7A-68PDR-1.27SFL-EJR	7.6	4.9	2.2	2	3.4	1.19	1.2	5V
⑤ CL640-0536-9	IC7-68PL-1.27SFL-EJR	5.4	2.7	0	0	1.2	1.2	2.3	3.3V
⑤ ④ CL640-0537-1	IC7-68PLR-1.27SFL-EJR	5.4	2.7	0	0	1.2	1.2	2.3	3.3V

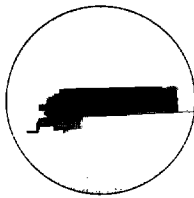
- NOTE: ① The lengths of pins on the engagement side are indicated in Table 1.
- ② The applicable range of indicated dimensions ( $54.2^{+0.1}_{-0.05}$ ,  $3.5^{+0.1}_{-0.05}$ ) are taken as 10 mm from the bottom.
- 3 The frame ground (FG) terminal of this product is pressed into contact with the ground area of the board with a screw. Employed from the bottom surface of the board, a screw (M2 × 0.4), flat washer, and spring washer are securely tightened to accomplish this.  
(For details, see the screw fastening example on Page 26.)
- ④ Pay attention to the pin numbers since the reverse type is marked "R".  
See the numbers in parentheses ( ) for the pin numbers of the reverse type.
- ⑤ The low voltage type is marked with "3.3 V".
- ⑥ The guide groove dimensions of the reverse type are left-right reversed.

## 68-CONTACT PIN CONNECTORS

- Surface mount type
- Eject button left side
- Standard type and reverse type
- With strengthened fittings



IC7-68PD-1.27SFL-EJL  
CL640-0507-0



IC7A-68PD-1.27SFL-EJL  
CL640-0516-1

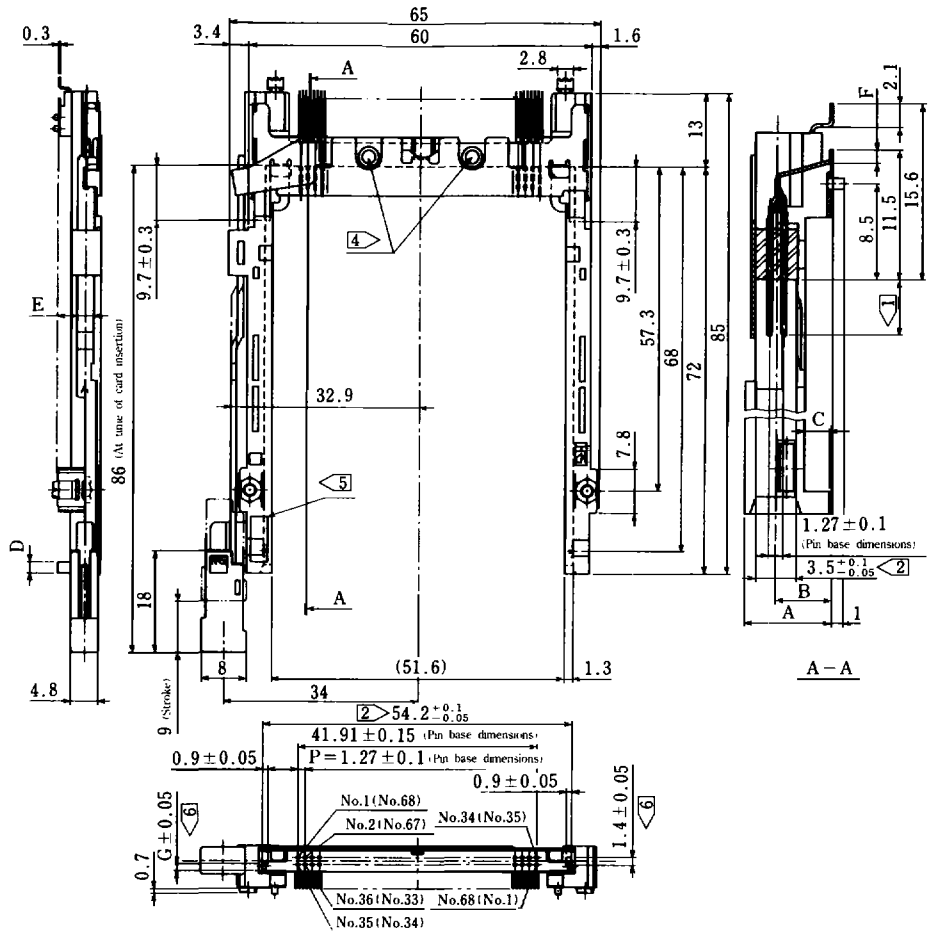


Table 1

Pin No.	Pin Length
1, 17, 34, 35, 51, 68	$5.0 \pm 0.1$
36, 67	$3.5 \pm 0.1$
Other than above	$4.25 \pm 0.1$

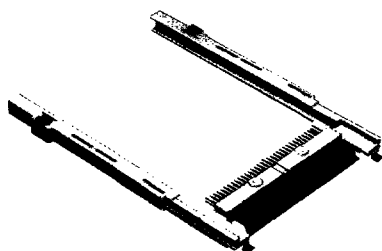
Unit: mm

	HRS No.	Product No.	A	B	C	D	E	F	G	Power supply voltage type	
		CL640-0507-0	IC7-68PD-1.27SFL-EJL	5.4	2.7	0	0	1.2	1.2	1.2	5V
④		CL640-0508-3	IC7-68PDR-1.27SFL-EJL	5.4	2.7	0	0	1.2	1.2	1.2	5V
		CL640-0516-1	IC7A-68PD-1.27SFL-EJL	7.6	4.9	2.2	2	3.4	1.19	1.2	5V
④		CL640-0518-7	IC7A-68PDR-1.27SFL-EJL	7.6	4.9	2.2	2	3.4	1.19	1.2	5V
⑤		CL640-0538-4	IC7-68PL-1.27SFL-EJL	5.4	2.7	0	0	1.2	1.2	2.3	3.3V
⑤	④	CL640-0539-7	IC7-68PLR-1.27SFL-EJL	5.4	2.7	0	0	1.2	1.2	2.3	3.3V

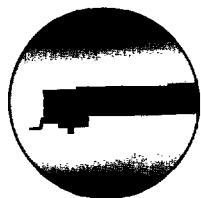
- NOTE: The lengths of pins on the engagement side are indicated in Table 1.
- The applicable range of indicated dimensions ( $54.2 \pm 0.15$ ,  $3.5 \pm 0.15$ ) are taken as 10 mm from the bottom.
- 3 The frame ground (FG) terminal of this product is pressed into contact with the ground area of the board with a screw. Employed from the bottom surface of the board, a screw (M2 × 0.4), flat washer, and spring washer are securely tightened to accomplish this.  
(For details, see the screw fastening example on Page 26.)
- Pay attention to the pin numbers since the reverse type is marked "R".  
See the numbers in parentheses ( ) for the pin numbers of the reverse type.
- The low voltage type is marked with "3.3 V".
- The guide groove dimensions of the reverse type are left-right reversed.

## 68-CONTACT PIN CONNECTORS

- Surface mount type
- Type without eject mechanism
- Standard type and reverse type
- With strengthened fittings



IC7-68PD-1.27SFL  
CL640-0510-5



IC7A-68PD-1.27SFL  
CL640-0520-9

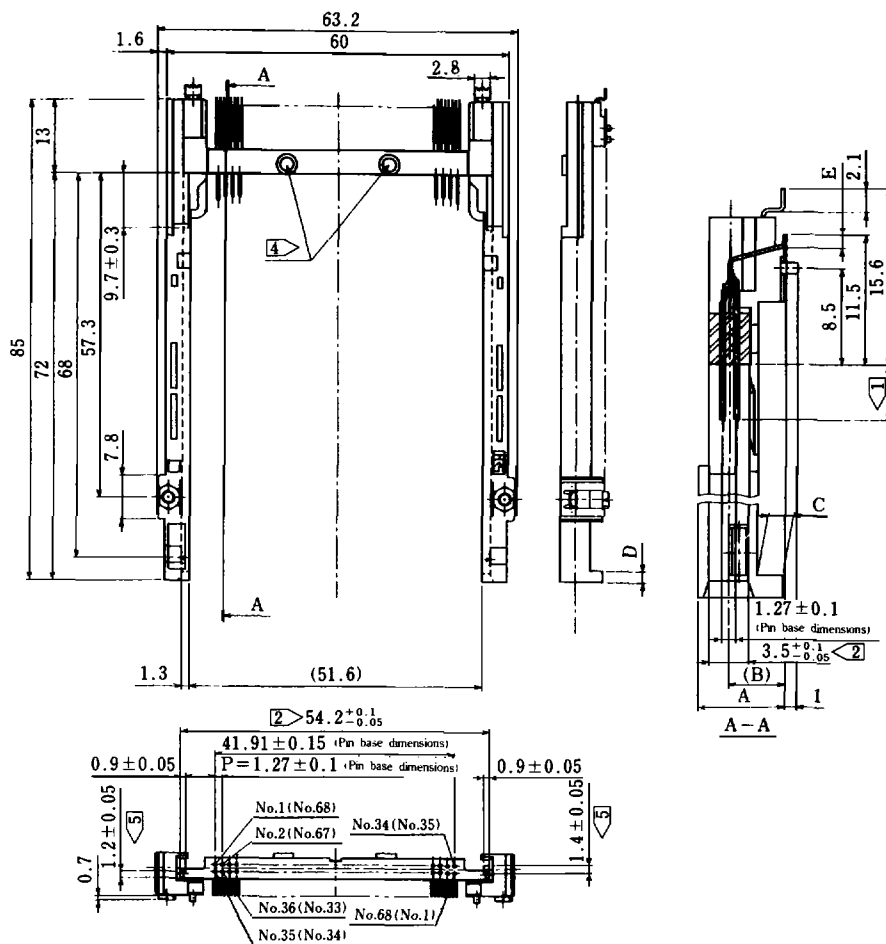


Table 1 1

Pin No.	Pin Length
1, 17, 34, 35, 51, 68	$5.0 \pm 0.1$
36, 67	$3.5 \pm 0.1$
Other than above	$4.25 \pm 0.1$

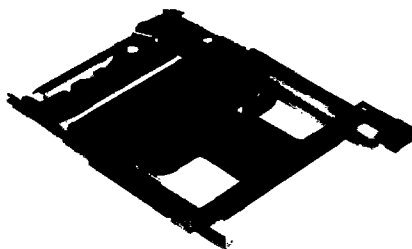
Unit: mm

HRS No.	Product No.	A	B	C	D	E
CL640-0510-5	IC7-68PD-1.27SFL	5.4	2.7	0	0	1.2
<span style="border: 1px solid black; padding: 0 2px;">4</span> CL640-0542-1	IC7-68PDR-1.27SFL	5.4	2.7	0	0	1.2
CL640-0520-9	IC7A-68PD-1.27SFL	7.6	4.9	2.2	2	1.19

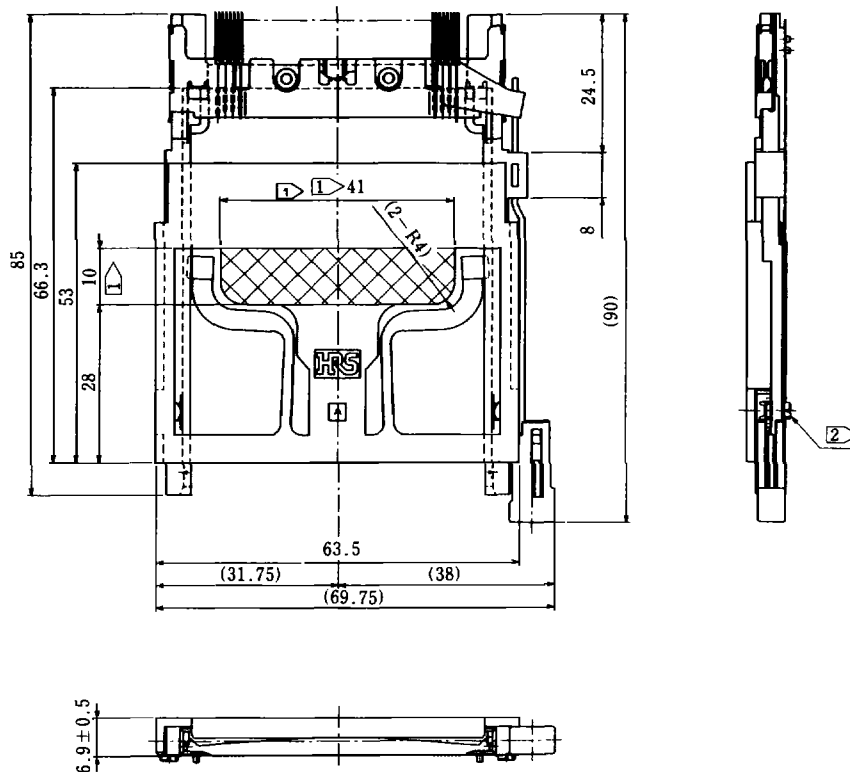
- NOTE: 1 The lengths of pins on the engagement side are indicated in Table 1.
- 2 The applicable range of indicated dimensions ( $54.2 \pm 0.1$ ,  $3.5 \pm 0.1$ ) are taken as 10 mm from the bottom.
- 3 The frame ground (FG) terminal of this product is pressed into contact with the ground area of the board with a screw. Employed from the bottom surface of the board, a screw (M2 × 0.4), flat washer, and spring washer are securely tightened to accomplish this.  
(For details, see the screw fastening example on Page 26.)
- 4 Pay attention to the pin numbers since the reverse type is marked "R".  
See the numbers in parentheses ( ) for the pin numbers of the reverse type.
- 5 The guide groove dimensions of the reverse type are left-right reversed.

## 68-CONTACT PIN CONNECTORS

- Surface mount type
- Eject button right side
- Type fitted with absorption plate for use with automatic mounting



IC7-68PD-1.27SF-EJR-C  
CL640-0540-6

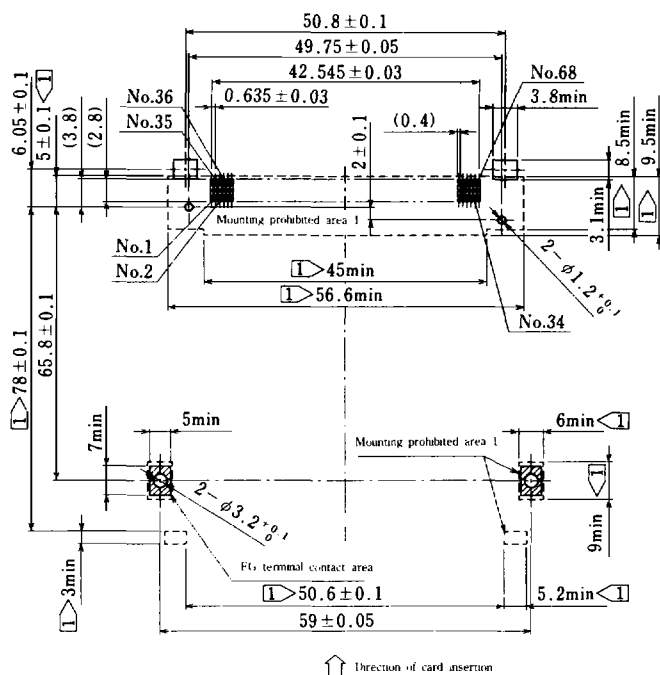


- NOTE: ① It is recommended that absorption be performed in the range of the hatched area indicated on the diagram.
- ② With regard to the assembly process, after the completion of surface mounting, fix the connector with the screws and remove the plate used for absorption.
- ③ For information about detailed dimensions and other matters, see IC7-68PD-1.27SF-EJR.

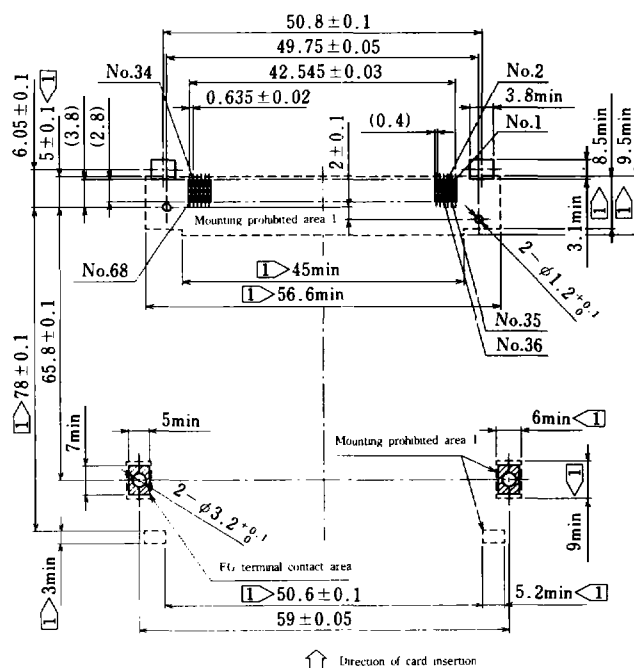
※ The entire IC7-SMT Series can be equipped with absorption plates.  
If you have such a need with another type, please contact our business representative.

### PCB Layout (Mounting Side)

Standard type (with strengthened fittings)



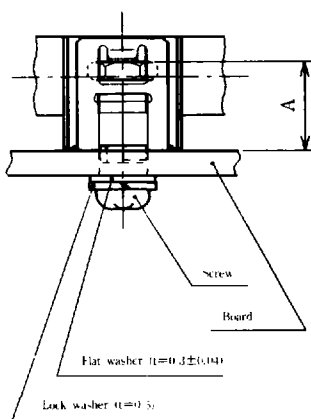
Reverse type (with strengthened fittings)



NOTE: 1 The IC7A Series has a mounting space for parts with a maximum height of 2 mm located under the connector section. Note that mounting of parts is prohibited in "Mounting prohibited area 1" inside the dotted lines.

2 The entire surface of the mounting portion of the IC7 Series is a mounting prohibited area.

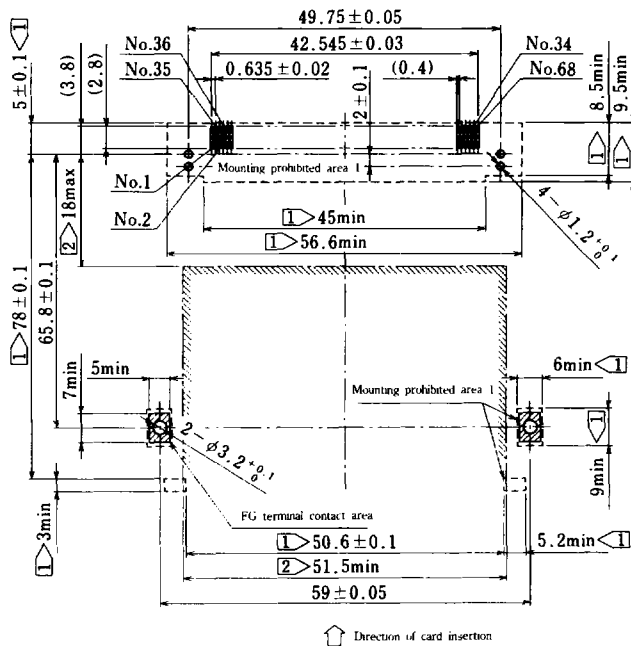
### Example of FG Terminal Screw Fastening (Recommended)



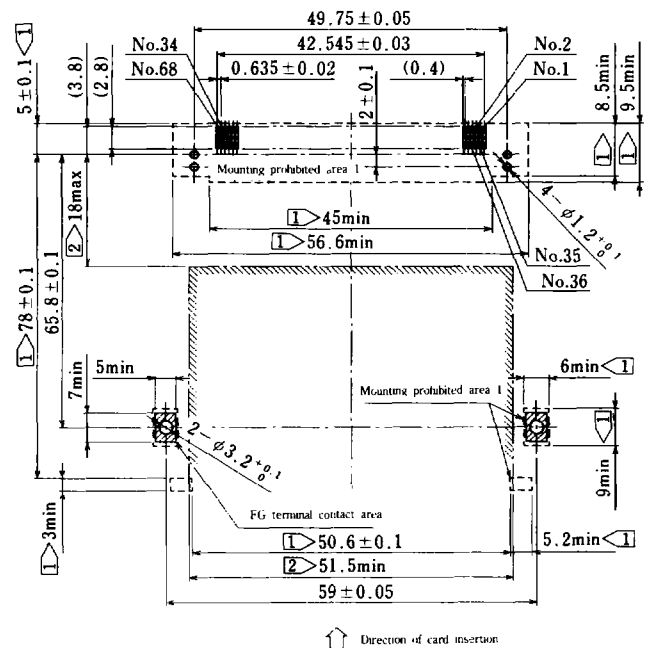
Series Name	A
IC7	4.1
IC7A	6.3

## ◆ Recommended PCB Layout for Mounting on Both Sides

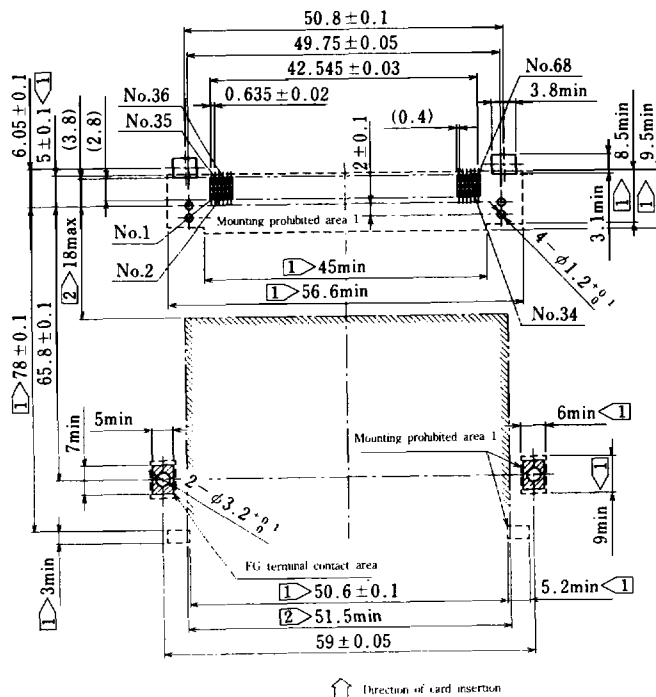
Front side of board (Standard type)



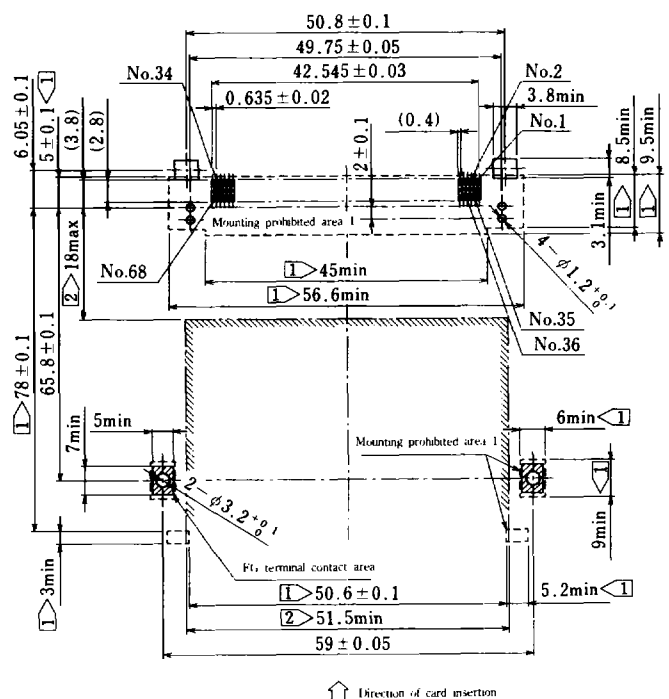
Back side of board (Reverse type)



Front side of board  
(Standard type with strengthened fittings)



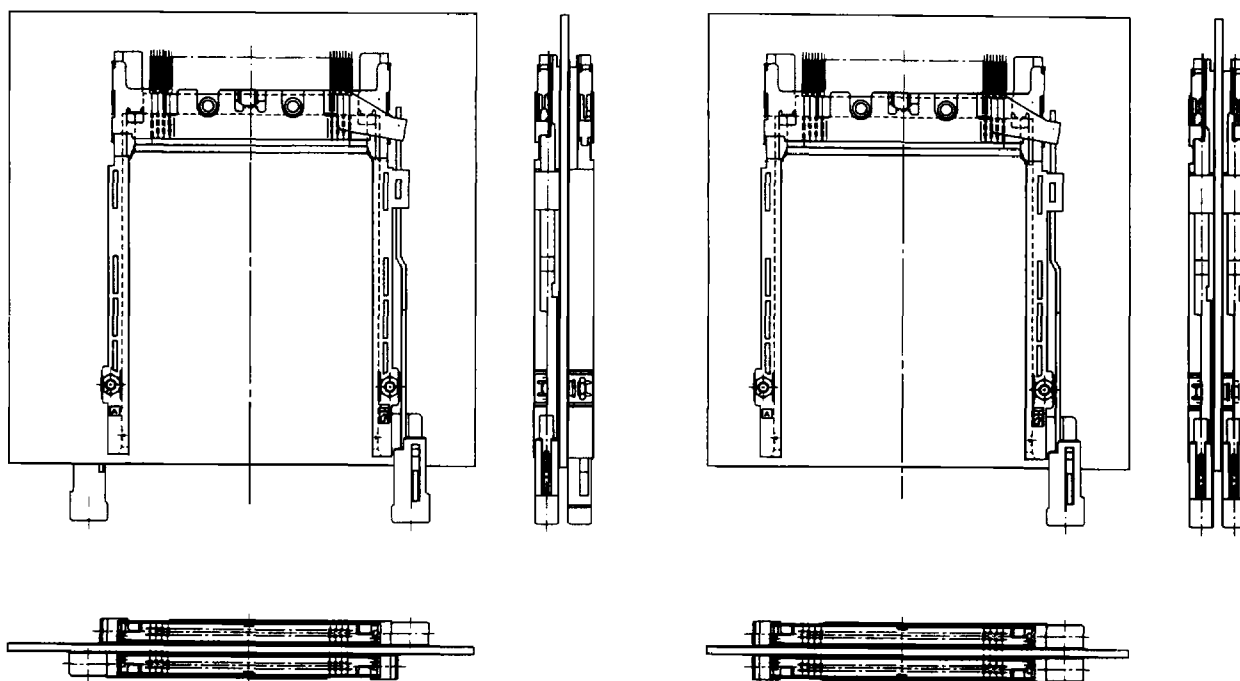
Back side of board  
(Reverse type with strengthened fittings)



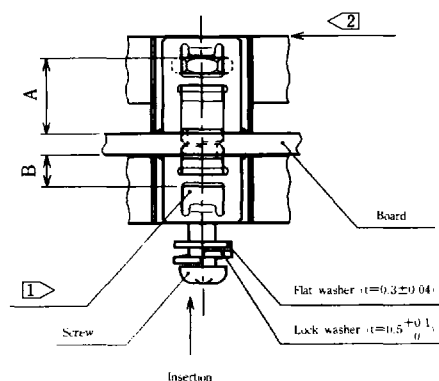
- NOTE: 1 The IC7A Series has a mounting space for parts with a maximum height of 2 mm located under the connector section. Note that mounting of parts is prohibited in "Mounting prohibited area 1" inside the dotted lines.
- 2 When using a type III or IV card, cut off the board at the 2-point mirrored line portion.
- 3 The entire surface of the mounting portion of the IC7 Series is a mounting prohibited area.



## ◆ Examples of Mounting on Both Sides of Board



## ◆ Example of Recommended Fastening When Mounting on Both Sides of Board.

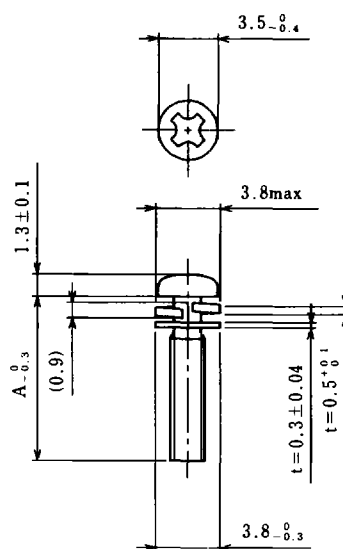


Series Name	A	B
IC7	4.1	2.5
IC7A	6.3	—

List of Suitable Screws

Combination	Board Thickness	HRS No.	Product No.	C
IC7 × IC7	1.6mm	640-0521-1	IC7-SF screw	9.7
IC7 × IC7A	1.6mm	640-0525-2	IC7-7A-SF screw	11.9

Sales unit: One package containing 1,000 pieces.



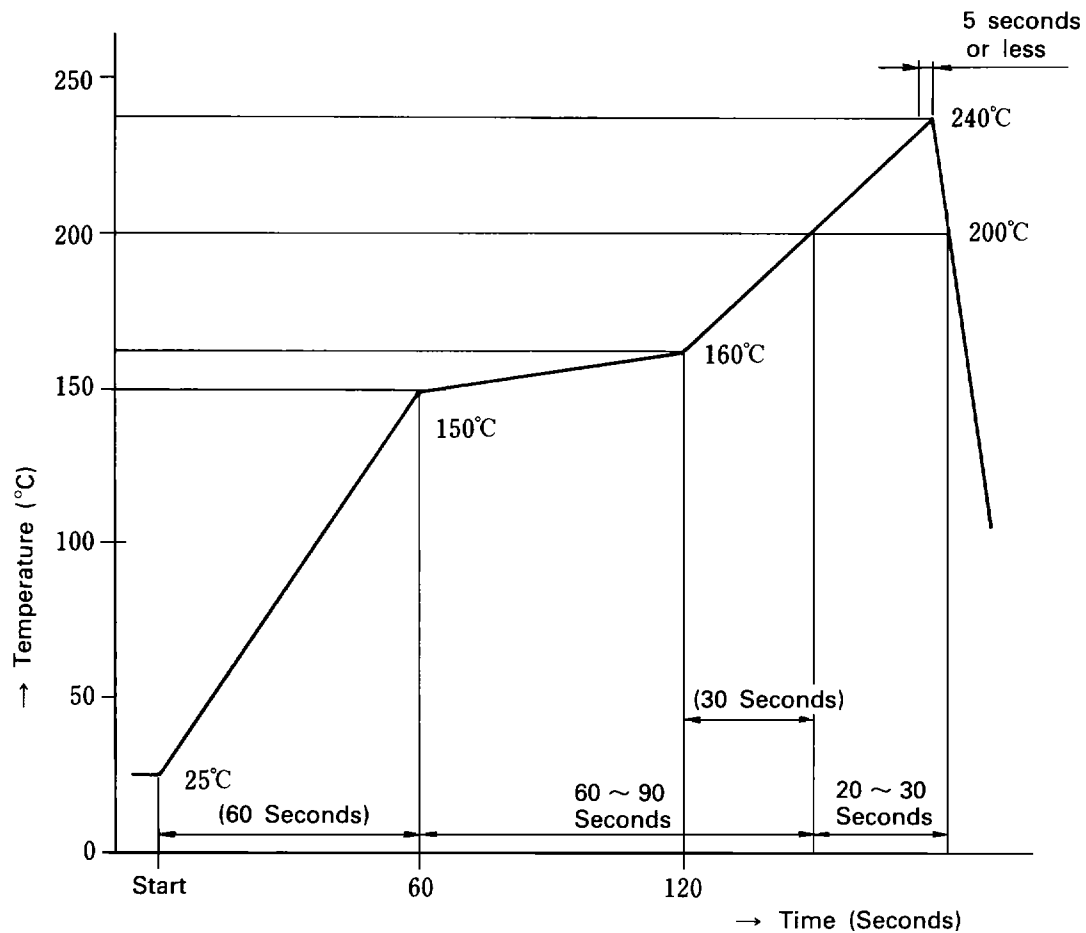
Unspecified dimensions comply with JIS B 1188.

Screw washer + M2 round head Phillips screw with built-in round washer

NOTE: 1 In order to perform the screw tightening of the FG terminal portion, please use one connector with nut-less specification (Specification No. 40).

2 When the board is thinner than 1.6 mm, the tip of the screw may protrude from the surface of the connector.

## ◆ Temperature Profile (Reference)



### Applicable Conditions

Reflow system: IR Reflow

Solder: Cream type ..... 63 Sn/37 Pb (Flux component of 11 wt%)

Test board: Glass epoxy ..... 100 × 100 × 1.6 mm

Metal mask:  $t = 0.15$  mm

Number of reflow cycles: 1 time

This temperature profile is recommended. It is possible that it may change somewhat depending on the type and amount of cream solder.