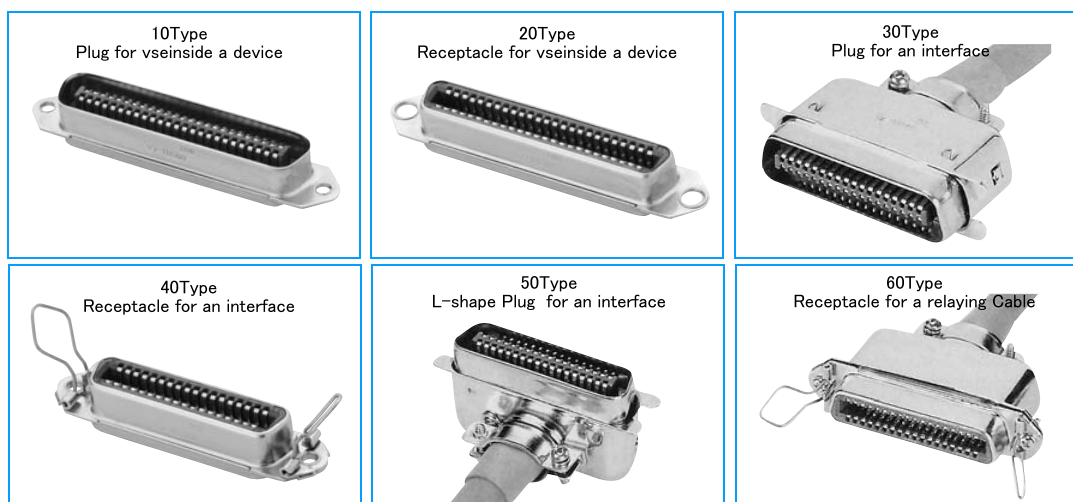


## Basic Version of Ribbon Connectors Solder Type



## FEATURE

- 57 Series are the one that is basic of 57 family Connector. and have six type of the following
  - 57-10Type(Rack and Panel Plug)
  - 57-20Type(Rack and Panel Receptacle)
  - 57-30Type(Cable to Panel Plug)
  - 57-40Type(Panels Receptacle with Spring latches)
  - 57-50Type(L-shape Plug for an Interface)
  - 57-60Type(Cable to Cable Receptacle)

## SPECIFICATION

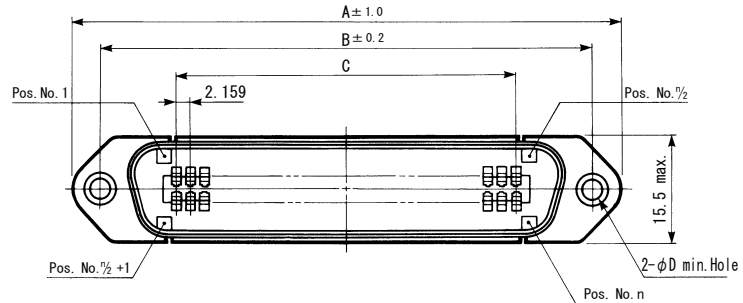
|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| Voltage Rating                  | 500V AC (r.m.s.)                                        |
| Current Rating                  | 5A/Contact                                              |
| Dielectric withstanding voltage | 1,200V AC (r.m.s.) for 1 minute                         |
| Contact Resistance              | DC5Aで5mΩ max.                                           |
| Insulation Resistance           | 1,000MΩ min. at 500V DC                                 |
| Operational temperature         | -55°C to +105°C                                         |
| Wire Accommodation              | AWG#22 max. (Solid wire)<br>AWG#24 max. (Standard wire) |

## MATERIAL/FINISH

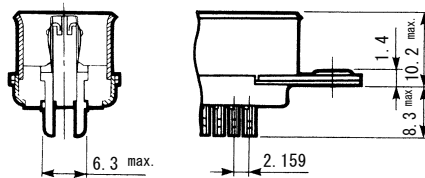
| P/N         | MATERIAL/FINISH                            |
|-------------|--------------------------------------------|
| Insulator   | Diallyl phthalate resin (UL94V-0)/Blue     |
| Contact     | Copper alloy/Gold Plating                  |
| Shell       | Brass/Nickel plating                       |
| Front Shell | Brass/Nickel Plating (20Type Application)  |
| Boots       | Vinyl Chloride(30, 50, 60Type Application) |

Unit : mm

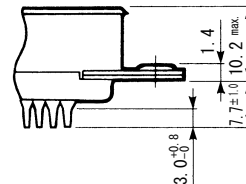
## 10Type : Rack and Panel Plug



Solder cup type



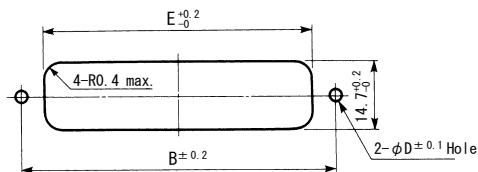
Dip solder



| No. of Contacts | Solder cup type | Dip solder  | Size |       |        |      |
|-----------------|-----------------|-------------|------|-------|--------|------|
|                 |                 |             | A    | B     | C      | D    |
| 14              | 57-10140        | 57-10140-4  | 43.9 | 36.00 | 12.954 | 3.05 |
| 24              | 57-10240        | 57-10240-3  | 54.7 | 46.78 | 23.749 | 3.05 |
| 36              | 57-10360        | 57-10360-13 | 67.7 | 59.74 | 36.703 | 3.05 |
| 50              | 57-10500        | 57-10500-27 | 82.8 | 74.85 | 51.816 | 3.05 |

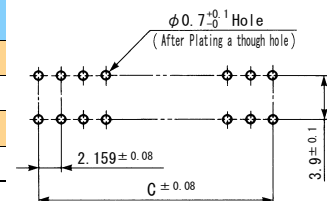
### Panel Cut-Out Dimensions

#### ● Connector Front mount Type

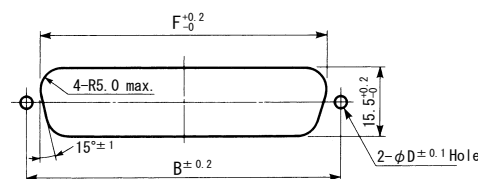


| No. of Contacts | B     | D   | E    |
|-----------------|-------|-----|------|
| 14              | 36.00 | 3.3 | 23.9 |
| 24              | 46.78 | 3.3 | 34.7 |
| 36              | 59.74 | 3.3 | 47.7 |
| 50              | 74.85 | 3.3 | 62.8 |

### PCB Mounting Dimensions (PCB thickness : 1.6mm)



#### ● Connector Rear mount Type



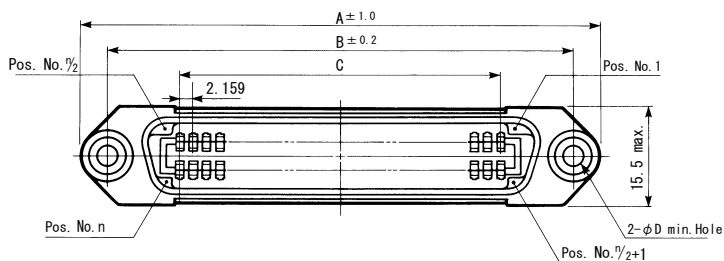
| No. of Contacts | B     | D   | F    |
|-----------------|-------|-----|------|
| 14              | 36.00 | 3.2 | 29.3 |
| 24              | 46.78 | 3.2 | 40.1 |
| 36              | 59.74 | 3.2 | 53.0 |
| 50              | 74.85 | 3.2 | 68.2 |

| No. of Contacts | C      |
|-----------------|--------|
| 14              | 12.954 |
| 24              | 23.749 |
| 36              | 36.703 |
| 50              | 51.816 |

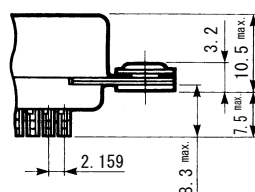
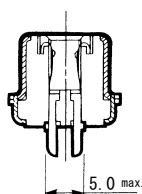
Note : The Dimension is 16.2 Max. When Mating with 57FE-10Type Connector

Unit : mm

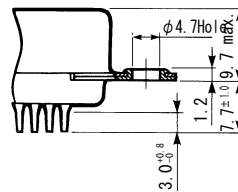
## ■ 20Type : Rack and Panel Receptacle



Solder cup type



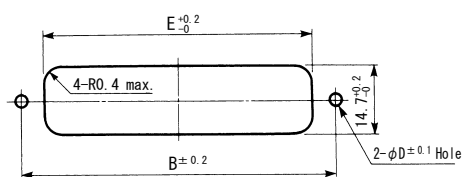
Dip solder



| No. of Contacts | Solder cup type | Dip solder  | Size |       |        |      |
|-----------------|-----------------|-------------|------|-------|--------|------|
|                 |                 |             | A    | B     | C      | D    |
| 14              | 57-20140        | 57-20140-8  | 43.9 | 36.00 | 12.954 | 3.05 |
| 24              | 57-20240        | 57-20240-8  | 54.7 | 46.78 | 23.749 | 3.05 |
| 36              | 57-20360        | 57-20360-9  | 67.7 | 59.74 | 36.703 | 3.05 |
| 50              | 57-20500        | 57-20500-31 | 82.8 | 74.85 | 51.816 | 3.05 |

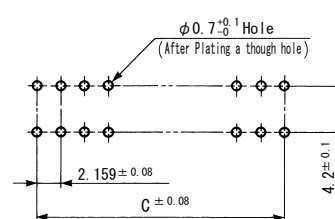
### ■ Panel Cut-Out Dimensions

#### ● Connector Front mount Type

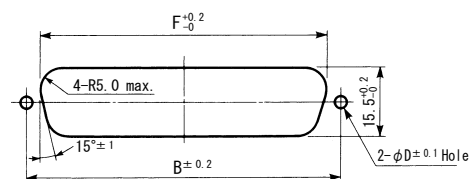


| No. of Contacts | B     | D   | E    |
|-----------------|-------|-----|------|
| 14              | 36.00 | 3.3 | 25.3 |
| 24              | 46.78 | 3.3 | 36.1 |
| 36              | 59.74 | 3.3 | 49.1 |
| 50              | 74.85 | 3.3 | 64.1 |

### ■ PCB Mounting Dimensions (PCB thickness : 1.6mm)



#### ● Connector Rear mount Type



| No. of Contacts | B     | D   | F    |
|-----------------|-------|-----|------|
| 14              | 36.00 | 3.2 | 29.3 |
| 24              | 46.78 | 3.2 | 40.1 |
| 36              | 59.74 | 3.2 | 53.0 |
| 50              | 74.85 | 3.2 | 68.2 |

| No. of Contacts | C      |
|-----------------|--------|
| 14              | 12.954 |
| 24              | 23.749 |
| 36              | 36.703 |
| 50              | 51.816 |

Note : The Dimension is 16.2 Max. When Mating with 57FE-10Type Connector

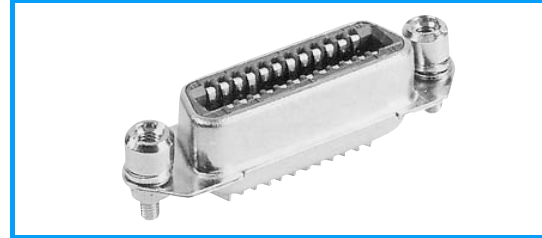
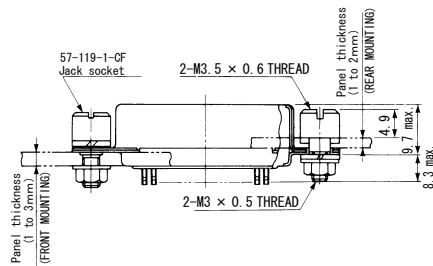
M

57

Unit : mm

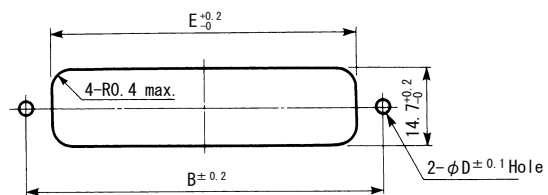
## GP-1B Connecters-Receptacle

57-20240-D35-CG

NO.OF.CONTACTS  
24, 36, 50

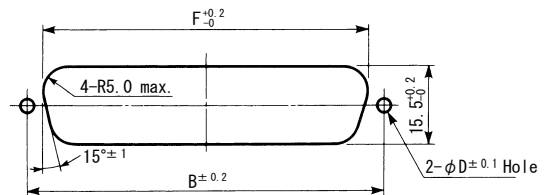
## ■ Panel Cut-Out Dimensions

## ● Connector Front mount Type



| No. of Contacts | B     | D   | E    |
|-----------------|-------|-----|------|
| 24              | 46.78 | 4.8 | 36.1 |
| 36              | 59.74 | 4.8 | 49.1 |
| 50              | 74.85 | 4.8 | 64.1 |

## ● Connector Rear mount Type



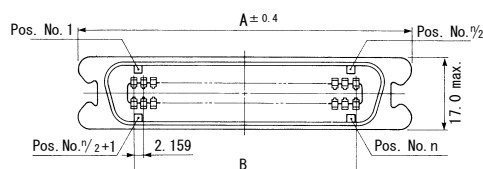
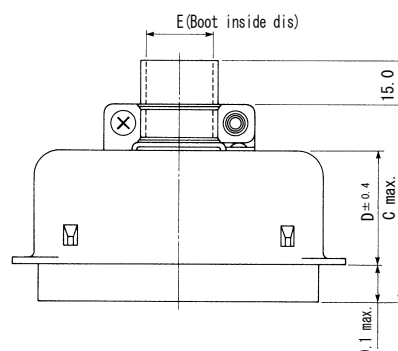
| No. of Contacts | B     | D   | F    |
|-----------------|-------|-----|------|
| 24              | 46.78 | 4.8 | 40.1 |
| 36              | 59.74 | 4.8 | 53.0 |
| 50              | 74.85 | 4.8 | 68.2 |

Note : The Dimension is 16.2 Max. When Mating with 57FE-10Type Connector

# 57 Series

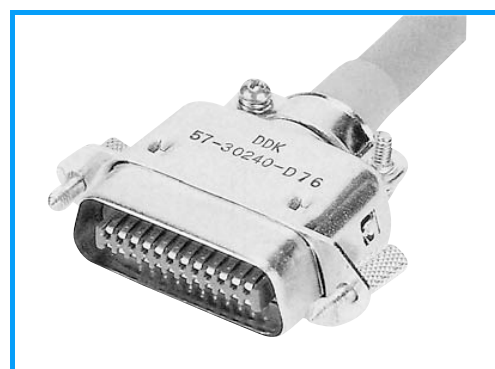
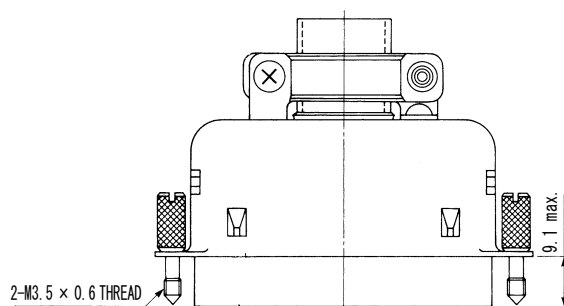
Unit : mm

## ■ 30Type : Cable Hood to Straight Plug



| No. of Contacts | Solder cup type | Size |        |      |      |            |
|-----------------|-----------------|------|--------|------|------|------------|
|                 |                 | A    | B      | C    | D    | E          |
| 14              | 57-30140        | 37.8 | 12.954 | 41.4 | 21.4 | 6.5 × 9.8  |
| 24              | 57-30240        | 48.6 | 23.749 | 41.0 | 21.0 | 11.1 × 9.8 |
| 36              | 57-30360        | 61.6 | 36.703 | 43.0 | 23.0 | 13.9 × 9.8 |
| 50              | 57-30500        | 76.7 | 51.816 | 45.4 | 25.4 | 17.0 × 9.8 |

## Cable to Panel-Screw Lock Type Plug

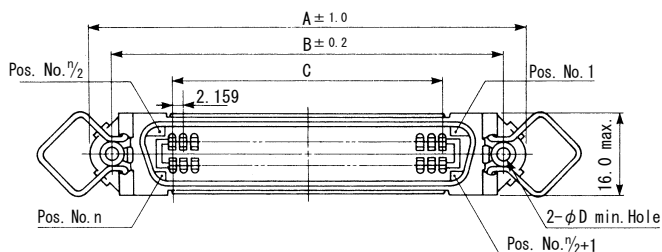
**57-30240-D76**
**NO.OF.CONTACTS**  
14, 24, 36, 50


M

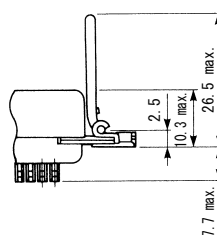
57

Unit : mm

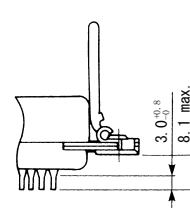
# 40Type : Panel Receptacle with Spring latches



Solder cup type



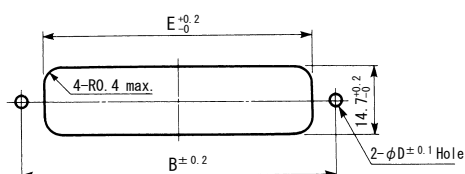
Dip solder



| No. of Contacts | Solder cup type | Dip solder  | Size |       |        |      |
|-----------------|-----------------|-------------|------|-------|--------|------|
|                 |                 |             | A    | B     | C      | D    |
| 14              | 57-40140        | 57-40140-8  | 43.9 | 36.00 | 12.954 | 3.05 |
| 24              | 57-40240        | 57-40240-9  | 54.7 | 46.78 | 23.749 | 3.05 |
| 36              | 57-40360        | 57-40360-12 | 67.7 | 59.74 | 36.703 | 3.05 |
| 50              | 57-40500        | 57-40500-9  | 82.8 | 74.85 | 51.816 | 3.05 |

## Panel Cut-Out Dimensions

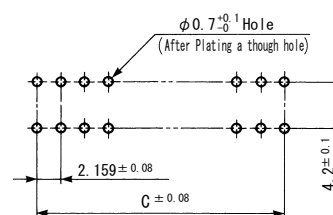
### Connector Front mount Type



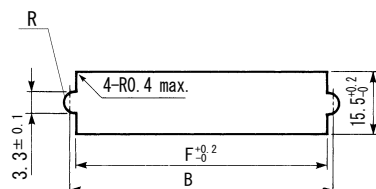
## PCB Mounting Dimensions

(PCB thickness :1.6mm)

| No. of Contacts | B     | D   | E    |
|-----------------|-------|-----|------|
| 14              | 36.00 | 3.3 | 23.9 |
| 24              | 46.78 | 3.3 | 34.7 |
| 36              | 59.74 | 3.3 | 47.7 |
| 50              | 74.85 | 3.3 | 62.8 |



### Connector Rear mount Type



| No. of Contacts | B     | F     |
|-----------------|-------|-------|
| 14              | 36.00 | 35.30 |
| 24              | 46.78 | 46.08 |
| 36              | 59.74 | 59.04 |
| 50              | 74.85 | 74.15 |

Thickness=1.6mm max.

| No. of Contacts | C      |
|-----------------|--------|
| 14              | 12.954 |
| 24              | 23.749 |
| 36              | 36.703 |
| 50              | 51.816 |

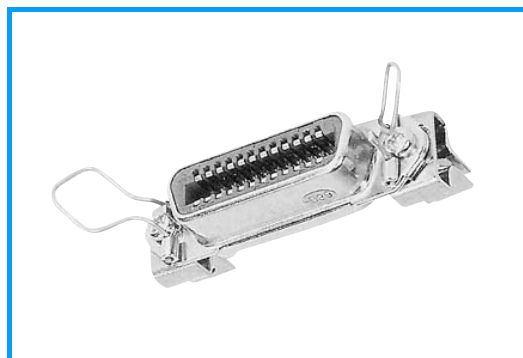
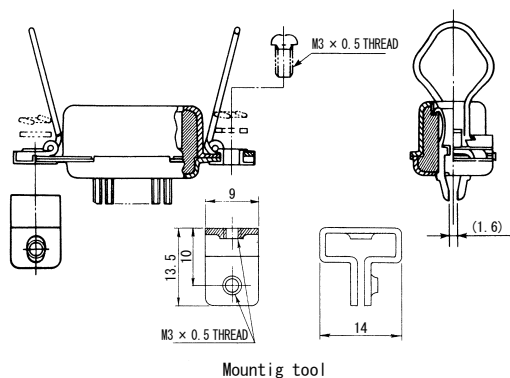
M

57

Unit : mm

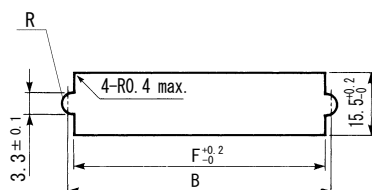
## SMT Type Ptacle

57-40500-D39-3F

NO.OF.CONTACTS  
14, 24, 36, 50

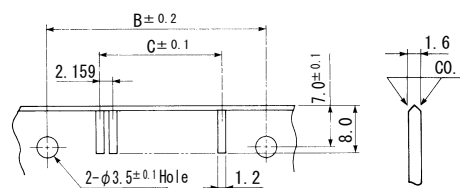
## ■ Panel Cut-Out Dimensions

## ● Connector Rear mount Type



| No. of Contacts | B     | F     |
|-----------------|-------|-------|
| 14              | 36.00 | 35.30 |
| 24              | 46.78 | 46.08 |
| 36              | 59.74 | 59.04 |
| 50              | 74.85 | 74.15 |

Thickness=1.6mm max.

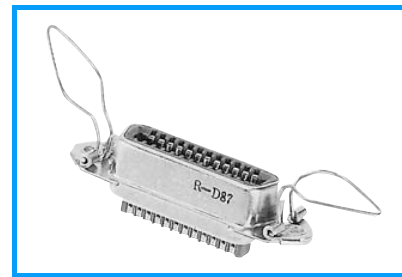
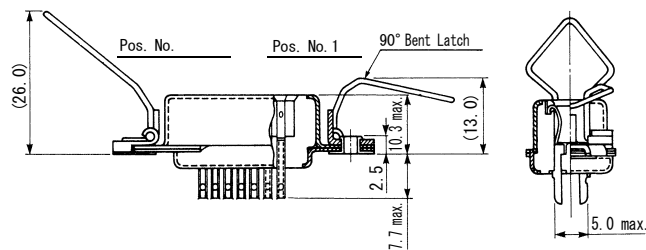
■ P.C.B. Mounting Dimensions  
(PCB thickness :1.6mm)

| No. of Contacts | B     | C      |
|-----------------|-------|--------|
| 14              | 36.00 | 12.954 |
| 24              | 46.78 | 23.749 |
| 36              | 59.74 | 36.703 |
| 50              | 74.85 | 51.816 |

## 90° Bent Spring Latch

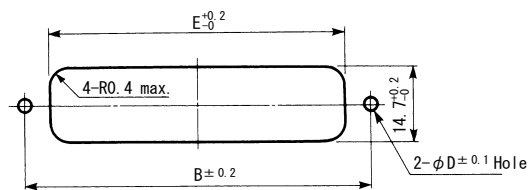
57-40140-D87

NO.OF.CONTACTS  
14, 24, 36, 50



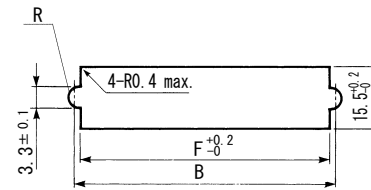
### ■ Panel Cut-Out Dimensions

#### ● Connector Front mount Type



| No. of Contacts | B     | D   | E    |
|-----------------|-------|-----|------|
| 14              | 36.00 | 3.3 | 23.9 |
| 24              | 46.78 | 3.3 | 34.7 |
| 36              | 59.74 | 3.3 | 47.7 |
| 50              | 74.85 | 3.3 | 62.8 |

#### ● Connector Rear mount Type



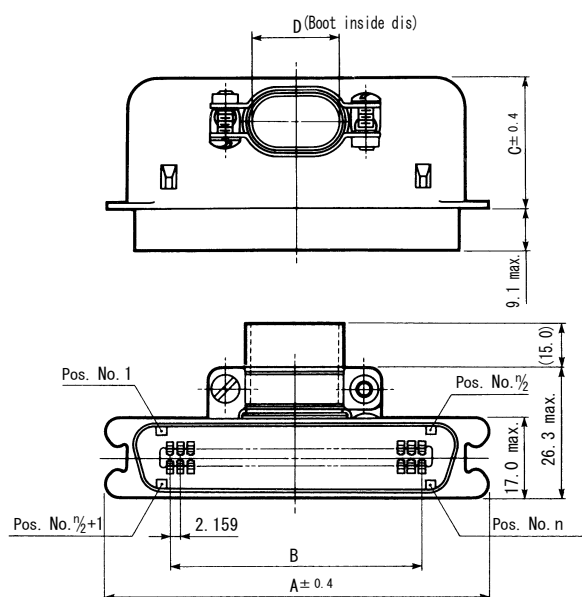
| No. of Contacts | B     | F     |
|-----------------|-------|-------|
| 14              | 36.00 | 35.30 |
| 24              | 46.78 | 46.08 |
| 36              | 59.74 | 59.04 |
| 50              | 74.85 | 74.15 |

Thickness=1.6mm max.

# 57 Series

Unit : mm

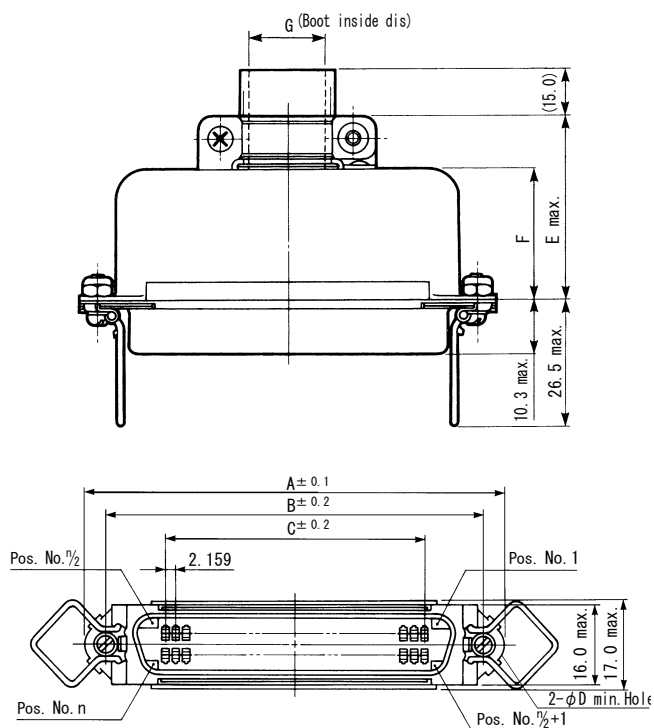
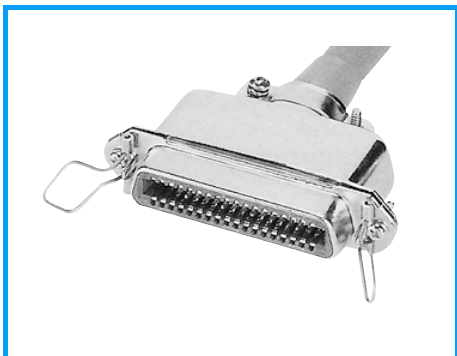
## ■ 50Type : Cable to Panel Plug



| No. of Contacts | Solder cup type | Size |        |      |                   |
|-----------------|-----------------|------|--------|------|-------------------|
|                 |                 | A    | B      | C    | D                 |
| 14              | 57-50140        | 37.8 | 12.954 | 21.4 | 8.8 × 6.0 (Oval)  |
| 24              | 57-50240        | 48.6 | 23.749 | 21.0 | φ 9.8             |
| 36              | 57-50360        | 61.6 | 36.703 | 23.0 | 13.9 × 9.8 (Oval) |
| 50              | 57-50500        | 76.7 | 51.816 | 25.4 | 17.0 × 9.8 (Oval) |

Unit : mm

# 60Type : Cable to Cable Receptacles



| No. of Contacts | Solder cup type | Size |       |        |      |      |      |                   |
|-----------------|-----------------|------|-------|--------|------|------|------|-------------------|
|                 |                 | A    | B     | C      | D    | E    | F    | G                 |
| 14              | 57-60140        | 43.9 | 36.00 | 12.954 | 3.05 | 32.5 | 21.4 | 8.8 × 6.0 (Oval)  |
| 24              | 57-60240        | 54.7 | 46.78 | 23.749 | 3.05 | 32.1 | 21.0 | φ 9.8             |
| 36              | 57-60360        | 67.7 | 59.74 | 36.703 | 3.05 | 34.1 | 23.0 | 13.9 × 9.8 (Oval) |
| 50              | 57-60500        | 82.8 | 74.85 | 51.816 | 3.05 | 36.5 | 25.4 | 17.0 × 9.8 (Oval) |

# 57 Series

Unit : mm

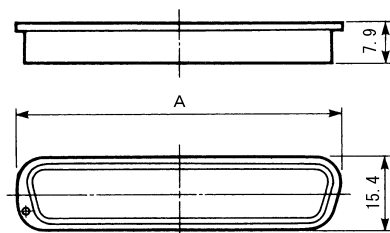
## ■ Dust Cap

Material : Polyethylene resin

Plug : Blue

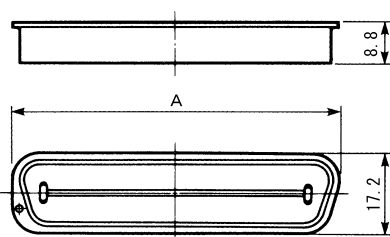
Receptacle : Red

## Plug(10, 30, 50Type)



| No.of Contacts | P/N    | A    |
|----------------|--------|------|
| 14             | 57-14P | 29.6 |
| 24             | 57-24P | 40.4 |
| 36             | 57-36P | 53.2 |
| 50             | 57-50P | 58.6 |

## Receptacles(20, 40, 60Type)

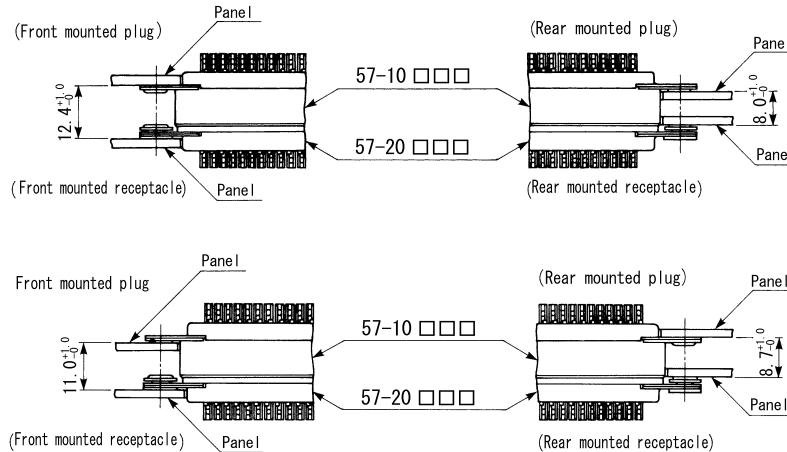


| No.of Contacts | P/N    | A    |
|----------------|--------|------|
| 14             | 57-14S | 30.0 |
| 24             | 57-24S | 42.0 |
| 36             | 57-36S | 53.8 |
| 50             | 57-50S | 69.0 |

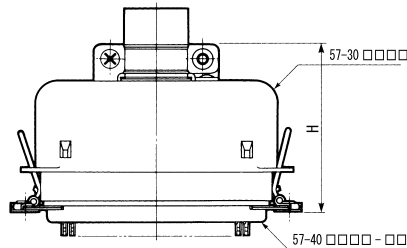
## ■ Mated Dimensions-Rack and Panel Connectors

### ● 57-10 Type, 57-20 Type

The distance between panels which mounted 57-10 type (plug) and 57-20 type (receptacle) are different depend on the mounting position. Each panel distances are as follows.

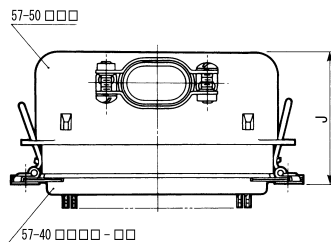


### ● 57-30Type, 57-40Type (Top Cable entry)



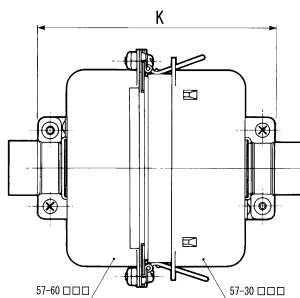
| No. of Contacts | H    |
|-----------------|------|
| 14              | 42.5 |
| 24              | 42.0 |
| 36              | 44.0 |
| 50              | 46.7 |

### ● 57-40Type, 57-50Type (Side Cable entry)



| No. of Contacts | J    |
|-----------------|------|
| 14              | 32.5 |
| 24              | 32.0 |
| 36              | 34.0 |
| 50              | 36.5 |

### ● 57-30Type, 57-60Type (Mated dimensions)



| Receptacle |                 |      | Plug     |
|------------|-----------------|------|----------|
| P/N        | No. of Contacts | K    |          |
| 57-60140   | 14              | 74.0 | 57-30140 |
| 57-60240   | 24              | 73.1 | 57-30240 |
| 57-60360   | 36              | 77.7 | 57-30360 |
| 57-60500   | 50              | 81.9 | 57-30500 |



**Стандарт  
Электрон  
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

**Наши контакты:**

**Телефон:** +7 812 627 14 35

**Электронная почта:** [sales@st-electron.ru](mailto:sales@st-electron.ru)

**Адрес:** 198099, Санкт-Петербург,  
Промышленная ул, дом № 19, литера Н,  
помещение 100-Н Офис 331