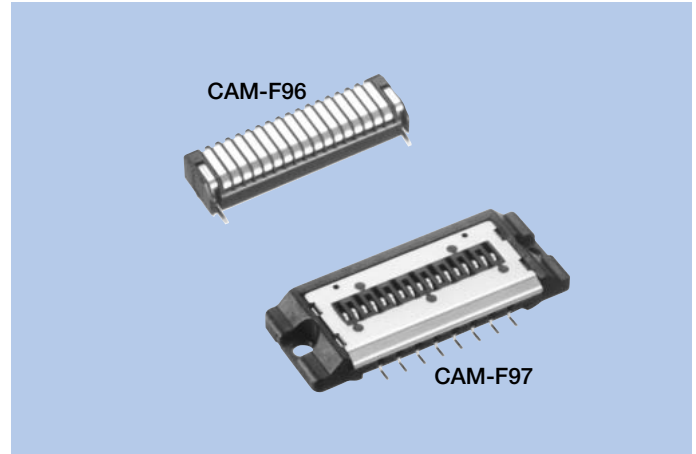


# Detach Connectors CAM-F96, F97

## OUTLINE

1. 17 pins connectors used for attaching and removing between the operation panel and the unit.
2. Misalignment absorption when fitted is  $\pm 0.3\text{mm}$  in direction X,  $\pm 1.0\text{mm}$  in direction Y and  $\pm 0.5\text{mm}$  in direction Z.
3. Supports reflow mounting.
4. The cover and connector pins are linked as a measure against socket contact deformation. The structure is such that when the cover is lowered the contact pin contact portion also lowers a certain amount. (The contact pin exposure outside the cover has been kept to the required minimum to protect the contact pins.)



## HOW TO ORDER

### 1. CAM-F96 (Plug)

**F96-017-230-AGGAA**

1      2

1 Series No. (F96)

2 No. of contacts (017 : 17pins)

### 2. CAM-F97 (Socket)

**F97-017-230-AGGAA**

1      2

1 Series No. (F97)

2 No. of contacts (017 : 17pins)

## SPECIFICATIONS

### ELECTRICAL CHARACTERISTICS

|                       |                         |
|-----------------------|-------------------------|
| Rated Voltage         | DC 14V                  |
| Rated Current         | 1A                      |
| Withstanding Voltage  | 500V AC 1minute         |
| Insulation Resistance | 100MΩ min. (at 500V DC) |
| Contact Resistance    | 70mΩ max.               |

### MECHANICAL CHARACTERISTICS

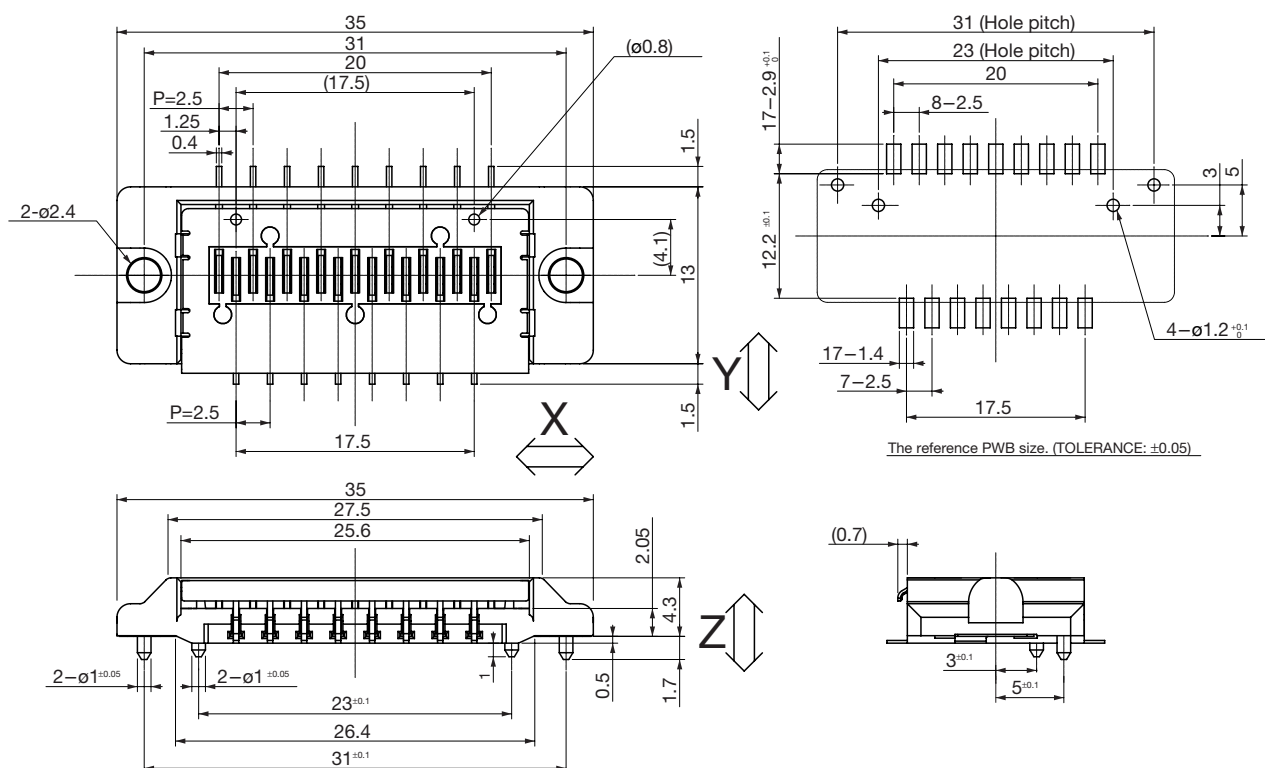
|                         |                            |
|-------------------------|----------------------------|
| Life (Matching Cycle)   | 10,000times                |
| Total Insertion Force   | 7.55N (0.77kgf) max.       |
| Total Rebound Force     | 5.78±0.49N (0.590±0.05kgf) |
| Using Temperature Range | -30~+85°C                  |

## MATERIAL & FINISH

| Component parts |            | Material     | Finish         |
|-----------------|------------|--------------|----------------|
| CAM-F96         | Housing    | Nylon resin  | Black          |
|                 | Contact    | Copper Alloy | Gold plating   |
|                 | Ground pin | Copper Alloy | Gold plating   |
| CAM-F97         | Housing    | Nylon resin  | Black          |
|                 | Contact    | Copper Alloy | Gold plating   |
|                 | Ground pin | Copper Alloy | Nickel plating |
|                 | Cover      | Nylon resin  | Black          |
|                 |            | Brass        | Nickel plating |

## DIMENSIONS

# CAM-F97 (Socket)



Unit : mm