

# 0.6mm Pitch Floating Connector

## DFZP Series



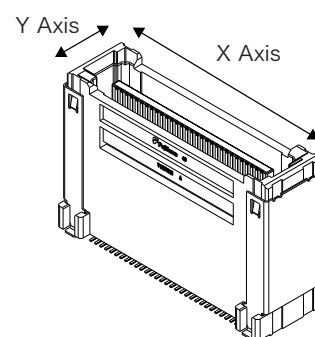
### OUTLINE

DFZP is a 0.6mm pitch board to board connector with selectable stacking height 11mm, 16mm, 20mm, 21mm and 25mm. This connector offers the value of x-y float of  $\pm 0.5\text{mm}$  and has twin mating contact with effective contact length of 2.0mm and 1.0mm and 2 power contacts at both side.



### FEATURES

- Number of Contact : 60 and 80 Contacts
- Stacking Height : 11mm, 16mm, 20mm, 21mm 25mm
- Contact Pitch : 0.6mm
- Floating Mechanism
  - Y Axis(Short edge) :  $\pm 0.5\text{mm}$
  - X Axis(Long edge) :  $\pm 0.5\text{mm}$
- Mating structure
  - Original twin mating contact
  - effective contact length 2.0mm and 1.0mm
- With 2 power contact(4A/power contact)
- Solid design to thicken the housing
- Stacking height can be selected by changing plug connector.
- Symmetrical structure for non-directionality in implementation and mating



### APPLICATIONS

FA, Plural connectors use for board to board connection

### MATERIAL / FINISH



| Part name | Material / finish                 |
|-----------|-----------------------------------|
| Contact   | Copper Alloy / Au over Ni Plating |
| Housing   | LCP Resin (UL94V-0) / Black       |

### SPECIFICATIONS

|                                 |                                               |
|---------------------------------|-----------------------------------------------|
| Rated Voltage                   | 50V AC(r.m.s.)                                |
| Rated Current                   | 0.5A / Signal Contact, 4A / Power Contact     |
| Dielectric Withstanding Voltage | 150V AC (r.m.s.) at 1 minute                  |
| Insulation Resistance           | 100 MΩ min. at 100V DC                        |
| Contact Resistance              | 100 mΩ max. (Initial)                         |
| Number of Contact               | 60 and 80 Contacts                            |
| Stacking Height                 | 11mm, 16mm, 20mm, 21mm, 25mm                  |
| Operating temperature range     | -55°C ~ + 85°C                                |
| Operating humidity range        | 85% Rh max.(However, there must not be dewy.) |
| Preservation temperature        | -55°C ~ + 85°C                                |
| Preservation humidity           | 85% Rh max.(However, there must not be dewy.) |

※ Regarding the number of contact and connector height, please contact us.

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# ▶ Plug Connector

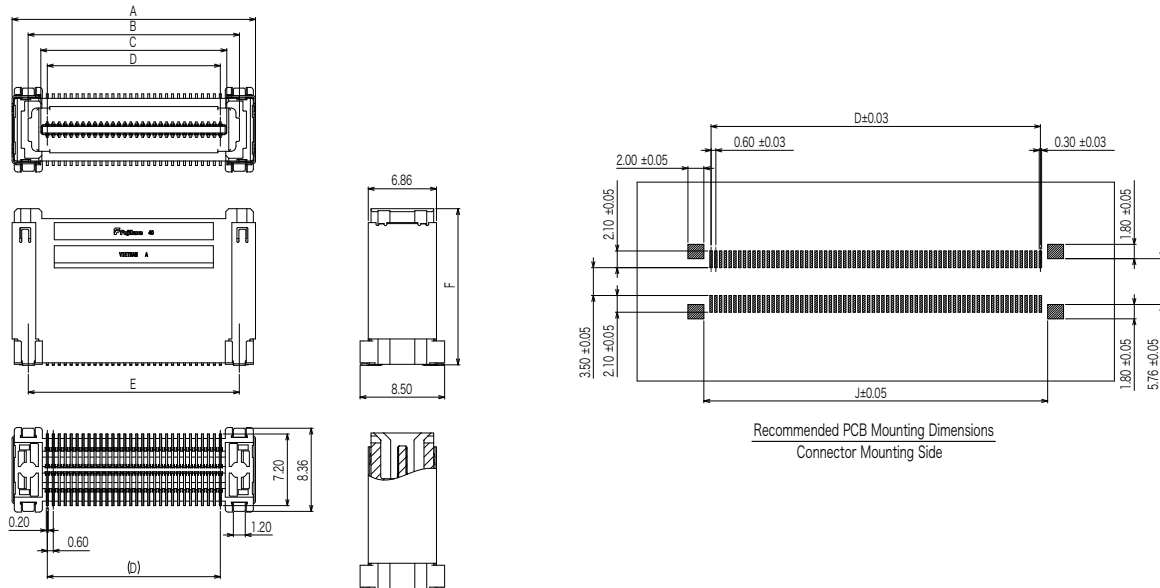
## DFZP-PAVXXX-XXX-3A

Number of Contact  
060 : 60  
080 : 80

Package Style  
A : Tray Packing

Contact Plating  
3 : Au over Ni Plating

Connector Height



### Connector Height

| Plug Connector     |      | Receptacle Connector |     | Stacking Height |
|--------------------|------|----------------------|-----|-----------------|
| Part Number        | F    | Part Number          | G   | H               |
| DFZP-PAV060-67-3A  | 6.7  | DFZP-RAV060-3A       | 9.4 | 11              |
| DFZP-PAV060-117-3A | 11.7 |                      |     | 16              |
| DFZP-PAV060-157-3A | 15.7 |                      |     | 20              |
| DFZP-PAV080-67-3A  | 6.7  | DFZP-RAV080-3A       |     | 11              |
| DFZP-PAV080-167-3A | 16.7 |                      |     | 21              |
| DFZP-PAV080-207-3A | 20.7 |                      |     | 25              |

### DFZP Series Stacking Height

| Plug       | DFZP-PAVXXX-XXX-3A |
|------------|--------------------|
|            |                    |
| Receptacle | DFZP-RAVXXX-3A     |

**Dimensions** ※ Regarding the number of contact, please contact us.

| Part Number        | A     | B     | C     | D     | E     | J     |
|--------------------|-------|-------|-------|-------|-------|-------|
| DFZP-PAV060-XXX-3A | 24.48 | 21.25 | 18.70 | 17.40 | 21.22 | 19.22 |
| DFZP-PAV080-XXX-3A | 30.48 | 27.25 | 24.70 | 23.40 | 27.22 | 25.22 |

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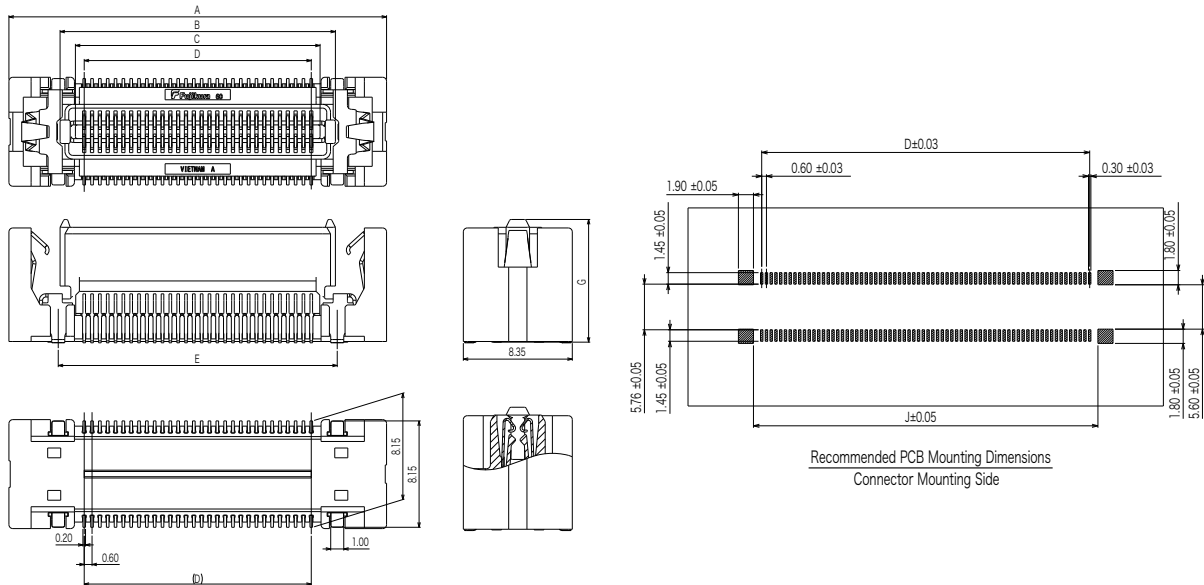
# ▶ Receptacle Connector

## DFZP-RAVXXX-3A

Number of Contact  
060 : 60  
080 : 80

Package Style  
A : Tray Packing

Contact Plating  
3 : Au over Ni Plating



### Connector Height

| Plug Connector     |      | Receptacle Connector |     | Stacking Height |
|--------------------|------|----------------------|-----|-----------------|
| Part Number        | F    | Part Number          | G   | H               |
| DFZP-PAV060-67-3A  | 6.7  | DFZP-RAV060-3A       | 9.4 | 11              |
| DFZP-PAV060-117-3A | 11.7 |                      |     | 16              |
| DFZP-PAV060-157-3A | 15.7 |                      |     | 20              |
| DFZP-PAV080-67-3A  | 6.7  | DFZP-RAV080-3A       |     | 11              |
| DFZP-PAV080-167-3A | 16.7 |                      |     | 21              |
| DFZP-PAV080-207-3A | 20.7 |                      |     | 25              |

### DFZP Series Stacking Height

| Plug       | DFZP-PAVXXX-XXX-3A |
|------------|--------------------|
|            |                    |
| Receptacle | DFZP-RAVXXX-3A     |

**Dimensions** ※ Regarding the number of contact, please contact us.

| Part Number    | A     | B     | C     | D     | E     | J     |
|----------------|-------|-------|-------|-------|-------|-------|
| DFZP-RAV060-XA | 28.94 | 21.10 | 18.75 | 17.40 | 21.38 | 19.22 |
| DFZP-RAV080-XA | 34.94 | 27.10 | 24.75 | 23.40 | 27.38 | 25.22 |

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