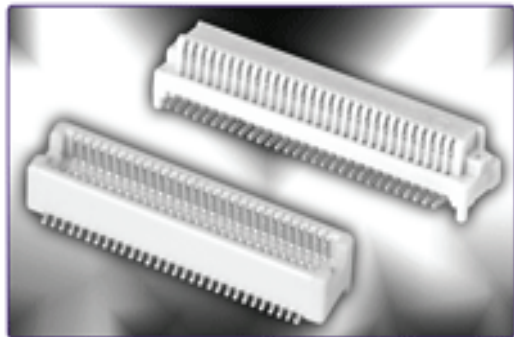




## K050DPX/K050DSX 0.5mm Board to Board

### Feature

- Mating Height as low as 1.5mm - 6.5mm
- Allows for more cost-efficient and space-saving solutions
- Used in digital cameras, mobile phones, and MP3 players.
- Surface mount plug and socket
- Circuit sizes range from 10-120

### Performance Specifications

#### Materials and Finish

Insulator :High Temp. Plastic (UL94V-0)

Contact : Phosphor Bronze

Plating : Gold Plated

#### Electrical Characteristics

Current rating : 0.5Amps

Voltage rating : 50V AC/DC

Contact resistance : 30m ohm.max.

Insulation resistance : 100M ohm.

Withstanding voltage : 100V AC for one minute

Temperature range : -20°C to +105°C

## 0.5mm Board to Board Plug

## K050DPX/DSX Series

### Documentation & Ordering Information

|  |  |
|--|--|
|  |  |
|  |  |

### Mating Kycon Part Number

| Plug   |  |  |
|--------|--|--|
| Socket |  |  |

### Part Number Builder

| Series | No of Contacts | Height | Plating | Packaging Option |
|--------|----------------|--------|---------|------------------|
|--------|----------------|--------|---------|------------------|

#### Series

K050DPX - 0.5mm B2B Plug

K050DSX - 0.5mm B2B Socket

#### Number of Contact

10 ,12, 14, 16,18 ,20 ,22 ,24 ,26 ,30 ,32 ,36 ,40,50,60

#### Mating Height<sub>(mm)</sub>

|                   | K050DPX-XXX-XXX-G (Plug Height) |     |     |     |     |
|-------------------|---------------------------------|-----|-----|-----|-----|
|                   | 120                             | 170 | 220 | 270 | 320 |
| K050DSX-XXX-126-G | 1.5                             |     |     |     |     |
| K050DSX-XXX-170-G |                                 | 2.5 |     |     |     |
| K050DSX-XXX-176-G | 2.0                             |     |     |     |     |
| K050DSX-XXX-220-G |                                 |     | 3.0 | 3.5 |     |
| K050DSX-XXX-270-G |                                 |     |     | 4.0 | 4.5 |
| K050DSX-XXX-420-G |                                 |     | 5.0 | 5.5 |     |
| K050DSX-XXX-470-G |                                 |     |     | 6.0 | 6.5 |

#### Plating

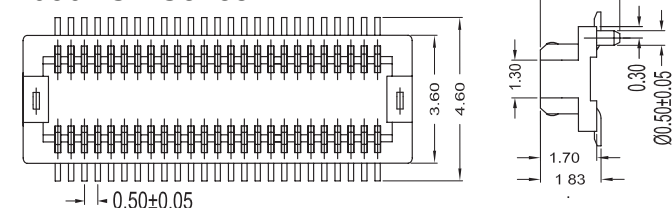
G - Gold

#### Packaging Option

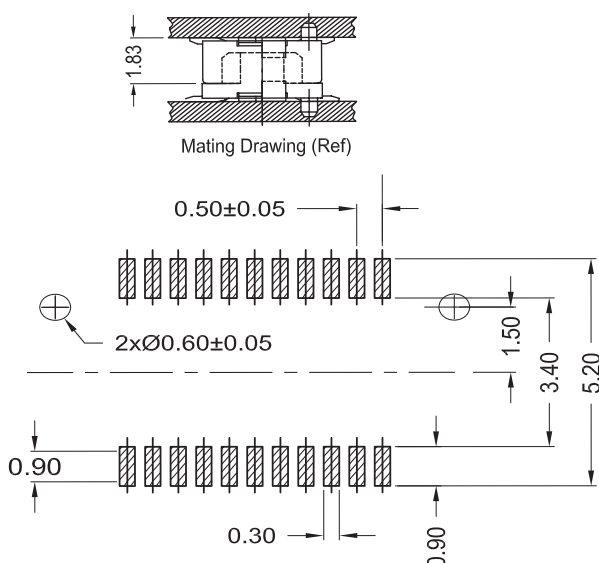
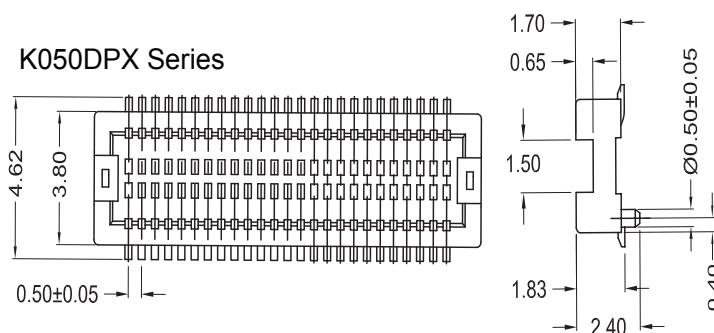
Blank- Tube

T - Tape and Reel Packaging

### K050DSX Series



### K050DPX Series



### Plug or Socket PCB Layout