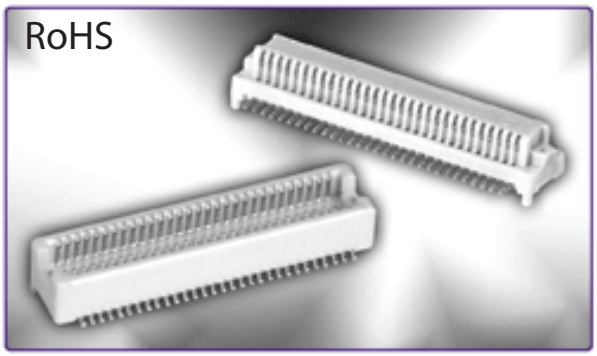
LEADERSHIP in Connector Design

KYCON

# 0.5mm Board to Board Plug

## K050DPX/DSX Series




*K050DPX/K050DSX*
*0.5mm Board to Board*

### Documentation & Ordering Information

| | |
|---|---|
| Stock | CofC |
| Sample | RFQ |

### Mating Kycon Part Number

| | | |
|---|---|---|
| Plug | K050DPX-010-170-G | Drawing |
| Socket | K050DSX-010-170-G | Drawing |

### Part Number Builder

K050DPX – 010 170 G –

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

**Series**
K050DPX - 0.5mm Plug
K050DSX - 0.5mm Socket

**Number of Contact**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| 32 | 34 | 36 | 40 | 50 | 60 | | | | | |

**Mating Height** (mm)

| | K050DPX-XXX- 170-G (Plug Height) | | | |
|---|---|---|---|---|
| | 170 | 220 | 270 | 320 |
| K050DSX-XXX-170-G | 2.5 | | | |
| 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 - Bulk
T - Tape and Reel Packaging

Contact Kycon for more options

## Feature

- Mating Height as low as 2.5mm - 6.5mm
- Allows for more cost-efficient and space-saving solutions
- Used in digital cameras,set top boxes,computers,POS Terminals, Hand hied Products and more,
- Surface mount plug and socket
- Circuit sizes range from 10-60

## Performance Specifications

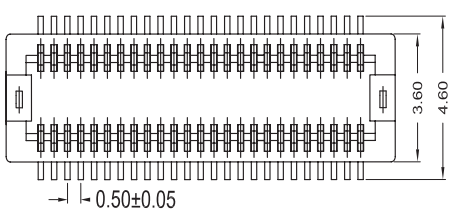
### Materials and Finish

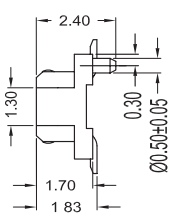
**Insulator :** High Temp Plastic (UL94V-0)
**Contact :** Phosphor Bronze
**Plated :** Gold Plated

### Electrical Characteristics

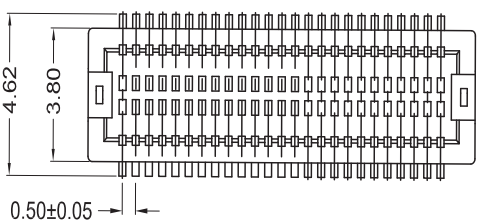
**Current Rating :** 0.5A
**Voltage Rating :** 50V AC/DC
**Resistance :** 30m ohm. max.
**Insulation Resistance :** 100M ohm.
**Withstanding Voltage :** 100V AC for one Minute
**Operating Temperature Range :** -20ºC to +105ºC

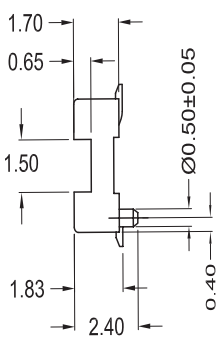
K050DSX Series

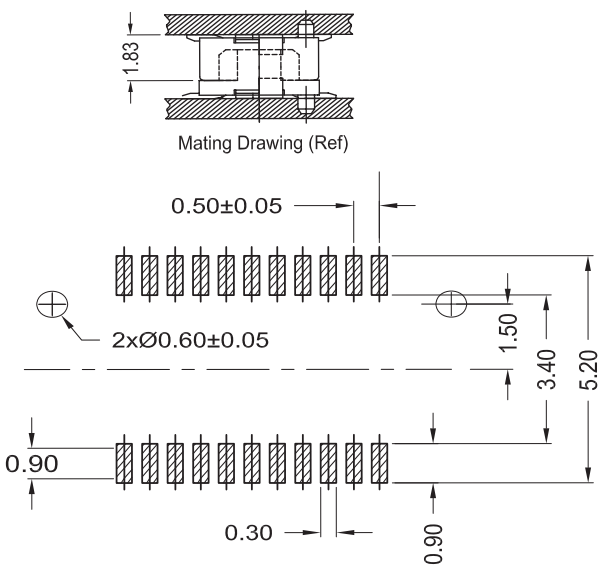



K050DPX Series




Plug or Socket PCB Layout