

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

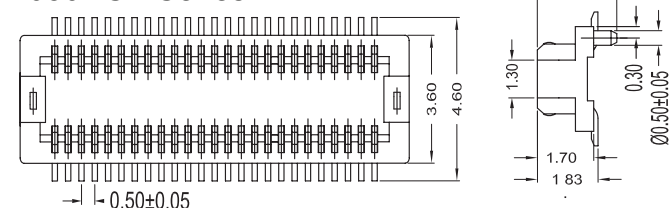
Contact resistance : 30m ohm.max.

Insulation resistance : 100M ohm.

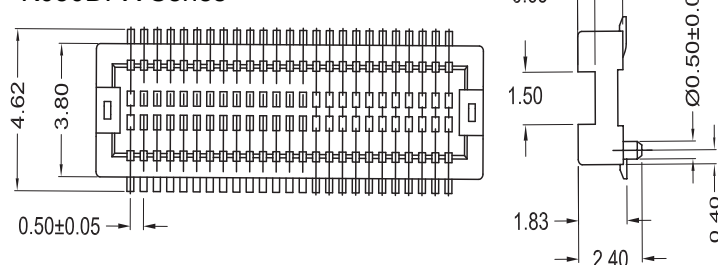
Withstanding voltage : 100V AC for one minute

Temperature range : -20°C to +105°C

K050DSX Series



K050DPX Series



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 (mm)

| | 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 |

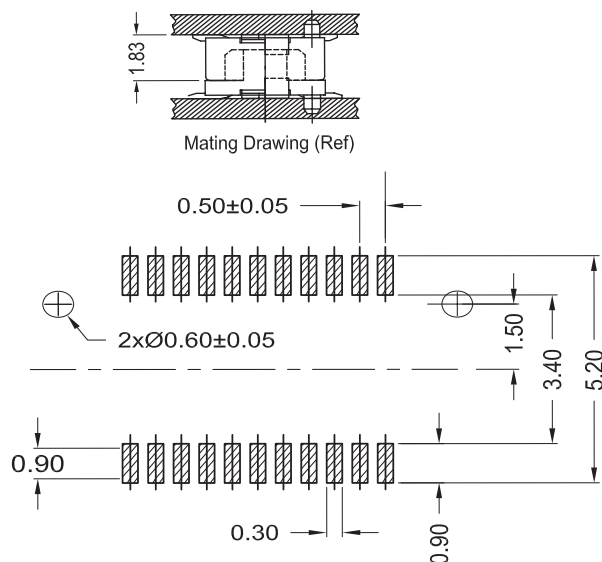
Plating

G - Gold

Packaging Option

Blank- Tube

T - Tape and Reel Packaging



Plug or Socket PCB Layout