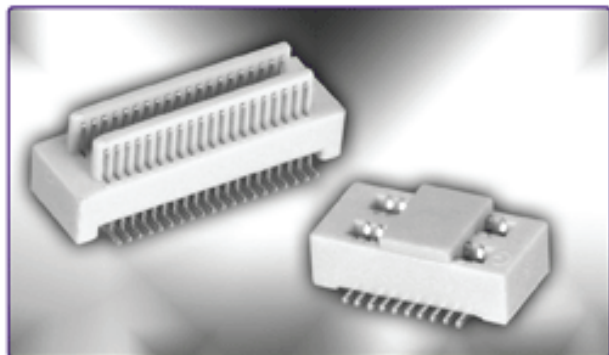




## K050APX/ASX

### 0.5mm Board to Board Plug/Socket

### Feature

- Mating Height as low as 3.0mm - 6.0mm
- Allows for more cost-efficient and space-saving solutions
- Used in digital cameras, set top boxes, computers, POS Terminals, Hand held Products and more,
- Surface mount plug and socket
- Circuit sizes range from 10-120

### Performance Specifications

#### Materials and Finish

**Housing** : High Temp Plastic (UL94V-0)

**Contact** : Phosphor Bronze

**Plated** : Gold Plated

#### Electrical Characteristics

**Current Rating** : 0.5Amps

**Voltage Rating** : 50V AC/DC

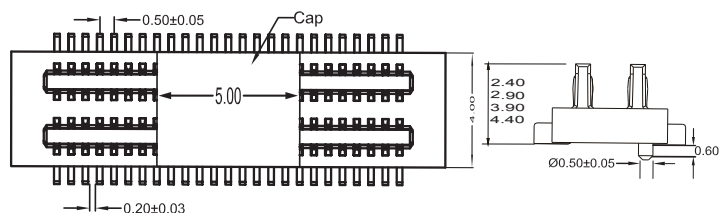
**Resistance** : 30m ohm. max.

**Insulation Resistance** : 100M ohm.

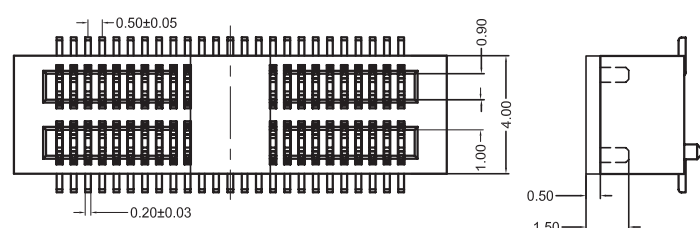
**Withstanding Voltage** : 100V AC for one Minute

**Operating Temperature Range** : -20°C to +105°C

#### K050APX Series



#### K050ASX Series



## 0.5mm Board to Board Plug

## K050APX/ASX Series

### Documentation & Ordering Information

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

### Mating Kycon Part Number

|        |                    |         |
|--------|--------------------|---------|
| Plug   | K050APX-120-290-GT | Drawing |
| Socket | K050ASX-120-220-GT | Drawing |

### Part Number Builder

|         |   |                |        |         |   |                  |
|---------|---|----------------|--------|---------|---|------------------|
| K050APX | — | 120            | 290    | G       | — | T                |
| Series  |   | No of Contacts | Height | Plating |   | Packaging Option |

#### Series

K050APX - 0.5mm Plug

K050ASX - 0.5mm Socket

**Number of Contact** (Contact Kycon for other Pin counts)

10, 20, 30, 38, 40, 50, 60, 70, 80, 90, 100, 120

#### Mating Height (mm)

|                   | K050APX-XXX- 290 -G |     |     |     |
|-------------------|---------------------|-----|-----|-----|
|                   | 240                 | 290 | 390 | 440 |
| K050ASX-XXX-220-G | 3.0                 | 3.5 |     |     |
| K050ASX-XXX-270-G |                     | 4.0 |     |     |
| K050ASX-XXX-320-G |                     | 4.5 |     |     |
| K050ASX-XXX-300-G |                     |     | 5.0 | 6.0 |
| K050ASX-XXX-350-G |                     |     |     | 5.5 |

#### Plating

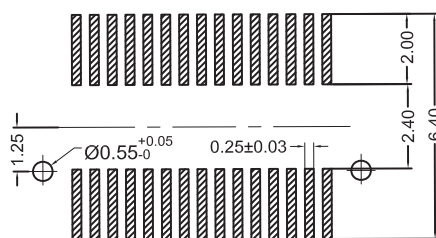
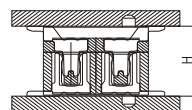
G - Gold

#### Packaging Option

Blank - Bulk

T - Tape and Reel Packaging

Contact Kycon for more options



### Plug or Socket PCB Layout