

## K050DPX/K050DSX 0.5mm Board to Board

### 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 held Products and more,
- Surface mount plug and socket
- Circuit sizes range from 10-60

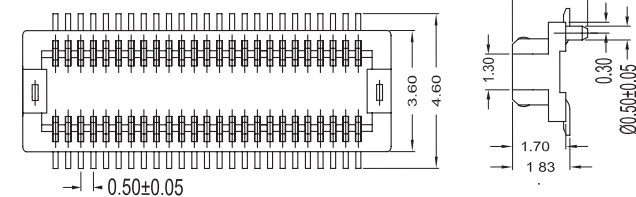
### Performance Specifications Materials and Finish

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

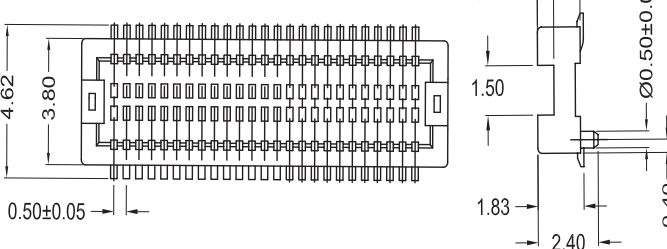
### Electrical Characteristics

**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** : -20°C to +105°C

#### K050DSX Series



#### K050DPX Series



## 0.5mm Board to Board Plug

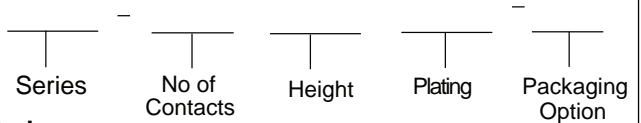
## K050DPX/DSX Series

### Documentation & Ordering Information


### Mating Kycon Part Number

Plug		
Socket		

### Part Number Builder



#### Series

K050DPX - 0.5mm Plug  
K050DSX - 0.5mm Socket

#### Number of Contact


#### Mating Height (mm)

	K050DPX-XXX-XXX-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

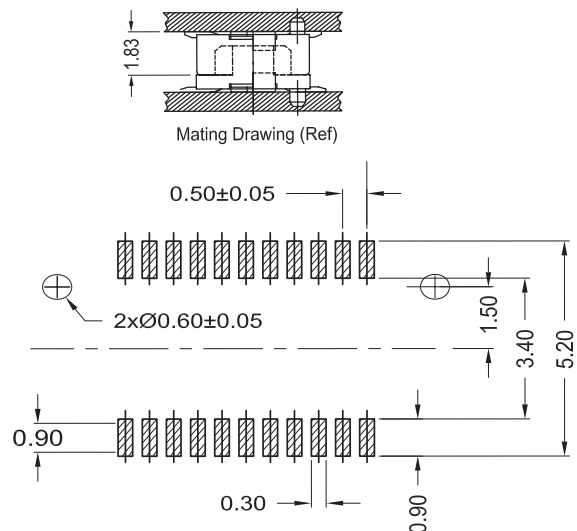
G - Gold

#### Packaging Option

Blank - Bulk

T - Tape and Reel Packaging

Contact Kycon for more options



### Plug or Socket PCB Layout