

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, 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

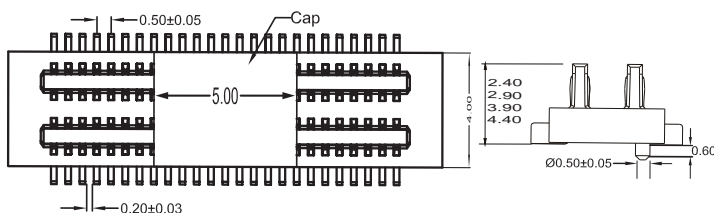
Contact resistance : 30m ohm.max.

Insulation resistance : 100M ohm.

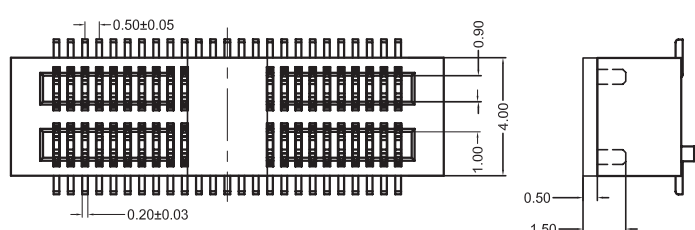
Withstanding voltage : 100V AC for one minute

Temperature range : -20°C to +105°C

K050APX Series



K050ASX Series



0.5mm Board to Board Plug

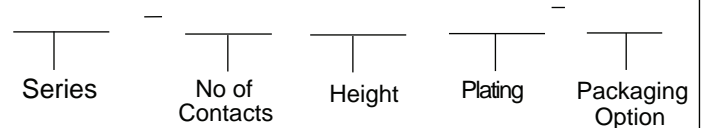
K050APX/ASX Series

Documentation & Ordering Information

Mating Kycon Part Number

Plug		
Socket		

Part Number Builder



Series

K050APX - 0.5mm B2B Plug

K050ASX - 0.5mm B2B Socket

Number of Contact

10, 12, 14, 16, 18, 20, 22, 24, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 60, 80, 90, 100, 120

Mating Height (mm)

	K050APX-XXX-XXX-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

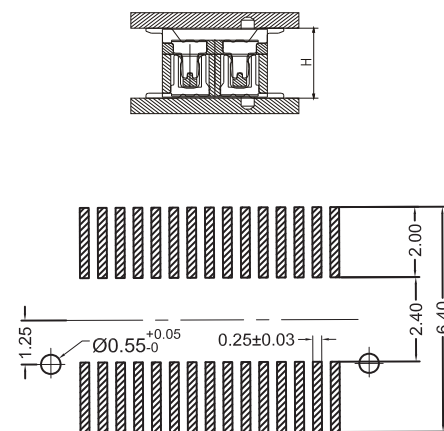
Plating

G - Gold

Packaging Option

Blank

T - Tape and Reel Packaging



Plug or Socket PCB Layout