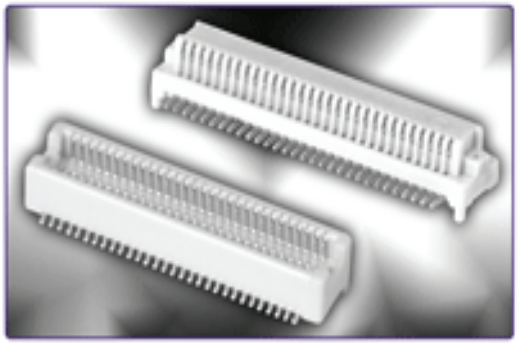
LEADERSHIP in Connector Design

KYCON

0.5mm Board to Board Plug

K050DPX/DSX Series



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℃to +105℃

Documentation & Ordering Information

Stock	CofC
Sample	RFQ

Mating Kycon Part Number

Plug	K050DPX-010-120-GT	Drawing
Socket	K050DSX-010-126-GT	Drawing

Part Number Builder

K050DPX – 010 120 G – T

Series	No of Contacts	Height	Plating	Packaging Option

Series
K050DPX - 0.5mm B2B Plug
K050DSX - 0.5mm B2B Socket

Number of Contact
10,12,14,16,18,20,22,24,28,30,32,36,40,50,60

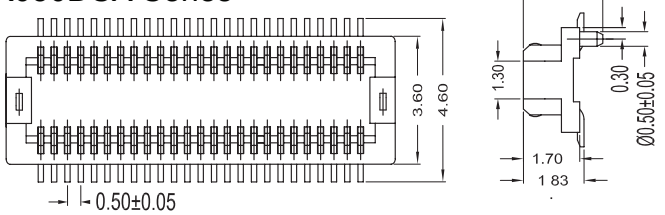
Mating Height(mm)

	K050DPX-XXX- 120 -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

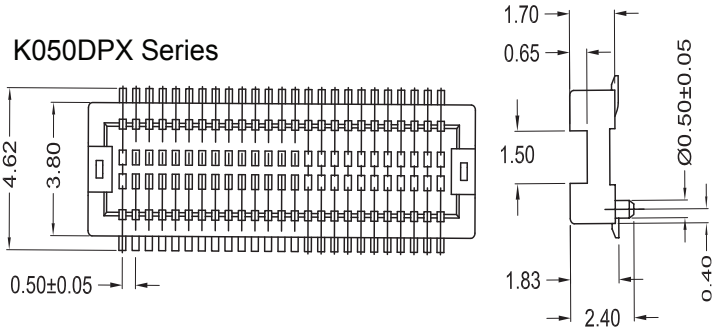
Plating
G - Gold

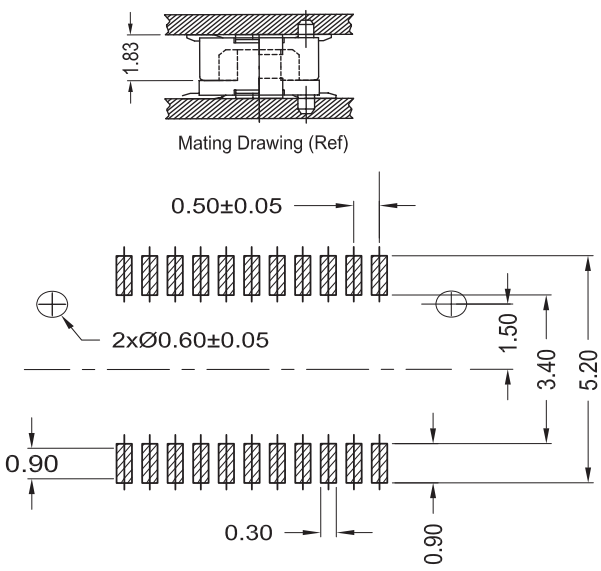
Packaging Option
Blank- Tube
T - Tape and Reel Packaging

K050DSX Series



K050DPX Series





Plug or Socket PCB Layout