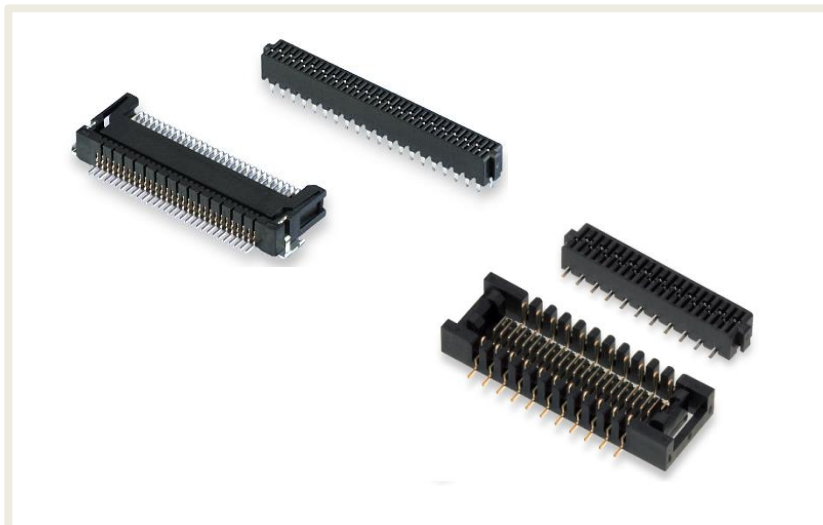


# 985\* SERIES

## Floating B to B Type Connector



- Over 400 variation  
(Combination of mating height & number of contacts)
- Floating range:  
X±0.5~0.8mm, Y±0.5mm,  
Z ±0.4 ~ 0.8mm
- Compatible with vertical,  
horizontal and stacking  
connection

The 985\* series is a 1.0mm-pitch, BtoB connector with floating function. Floating function increases operation efficiency and enables assembly process easier for operators. The 985\* series have a wide variety in mating height with vertical, horizontal and stacking connection structures, which makes it compatible with various PCB arrangements within devices.

### Features

- Floating range is X±0.5~0.8mm, Y±0.5mm, Z ±0.4~0.8mm which mitigates the stress on soldering point while assembly
- Line-up of Right angle, Parallel (Stacking) type and variety of height, number of contacts can meet variety of design.
- Compliant with RoHS

### Specifications

1	Series No.	985*
2	Pitch	1.0mm
3	No. of contacts	4~40P
4	Mating Height	5.5~22.1mm
5	Current rating	1A
6	Voltage rating	125V
7	D.W voltage	250V
8	Insulation Resistance	500MΩ
9	Contact Resistance	100mΩ or below
10	Operating Temperature	-40~+105°C
11	Floating Range	X±0.5~0.8mm, Y±0.5mm Z±0.4~0.8
12	Plating	Au/Sn plating

### Website

[http://www.iriso.co.jp/en/product\\_series/9850/](http://www.iriso.co.jp/en/product_series/9850/)

[http://www.iriso.co.jp/en/product\\_series/9851/](http://www.iriso.co.jp/en/product_series/9851/)

[http://www.iriso.co.jp/en/product\\_series/9852/](http://www.iriso.co.jp/en/product_series/9852/)

[http://www.iriso.co.jp/en/product\\_series/9853/](http://www.iriso.co.jp/en/product_series/9853/)















[http://www.iriso.co.jp/en/product\\_series/9854/](http://www.iriso.co.jp/en/product_series/9854/)

[http://www.iriso.co.jp/en/product\\_series/9855/](http://www.iriso.co.jp/en/product_series/9855/)

[http://www.iriso.co.jp/en/product\\_series/9856/](http://www.iriso.co.jp/en/product_series/9856/)

# 985 \* SERIES

## Mating Height Metrics

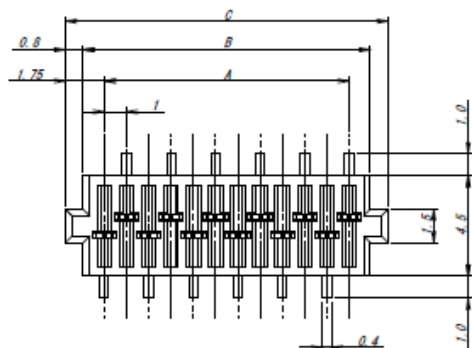
Plug		Series	9850B	9851B	9852B	9853B	9854B	9855B	9856B	
		No. of contact	6~40	6~30	6~30	6~30	6~40	6~30	6~30	
		Height	5mm	5mm	6.8mm	6.8mm	11.4mm	10mm	11.5mm	
		SMT/DIP	SMT/DIP	SMT	SMT/DIP	SMT/DIP	DIP	SMT/DIP	SMT/DIP	
		ST/RA	RA	ST	ST	ST	ST	ST	ST	
Socket		Floating/Rigid	Floating	Floating	Floating	Floating	Floating	Floating	Floating	
		Drawing								
		Series	9850S							
		No. of contact	6~40	13.1mm	6.65mm	8mm	8mm	12.5mm	11.65mm	13.15mm
		Height	5mm		Vertical	Stacking	Stacking	Stacking	Stacking	Stacking
SMT/DIP	SMT/DIP									
ST/RA	ST									
Floating/Rigid	Rigid									
Series	9851S									
No. of contact	6~30	12.6mm	5.5mm	8mm			10.5mm	12mm		
Height	3.85mm		Vertical	Stacking	Stacking		Stacking	Stacking		
SMT/DIP	SMT/DIP									
ST/RA	ST									
Floating/Rigid	Rigid									
Series	9852S									
No. of contact	6~30	14.6mm	8.15mm	9.5mm	9.5mm	14.0mm	13.15mm	14.65mm		
Height	6.5mm		Vertical	Stacking	Stacking	Stacking	Stacking	Stacking		
SMT/DIP	SMT									
ST/RA	ST									
Floating/Rigid	Rigid									
Series	9853S									
No. of contact	6~30	16.6mm								
Height	5.225mm		Horizontal							
SMT/DIP	SMT									
ST/RA	RA									
Floating/Rigid	Rigid									
Series	9854S									
No. of contact	6~40	16.1mm	9.65mm	11mm	11mm	15.5mm	14.65mm	16.15mm		
Height	8mm		Vertical	Stacking	Stacking	Stacking	Stacking	Stacking		
SMT/DIP	SMT									
ST/RA	ST									
Floating/Rigid	Rigid									
Series	9855S									
No. of contact	6~30	13.1mm	6.0mm				11.0mm	12.5mm		
Height	4.35mm		Vertical	Stacking			Stacking	Stacking		
SMT/DIP	SMT									
ST/RA	ST									
Floating/Rigid	Rigid									
Series	9856S									
No. of contact	6~40	19.6mm	13.15mm	14.5mm	14.5mm	19.0mm	18.15mm	19.65mm		
Height	11.5mm		Vertical	Stacking	Stacking	Stacking	Stacking	Stacking		
SMT/DIP	SMT									
ST/RA	ST									
Floating/Rigid	Rigid									



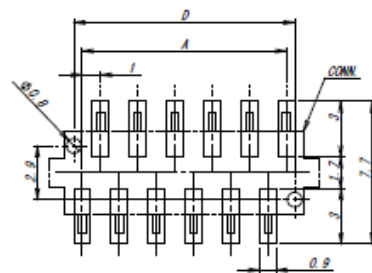
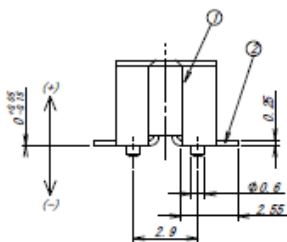
# 985 \* SERIES

## IMSA-9851S- \*\*□-□□

## SERIES 9851 SOCKET



NOTE  
T. COPLANARITY: 0.1 MAX.

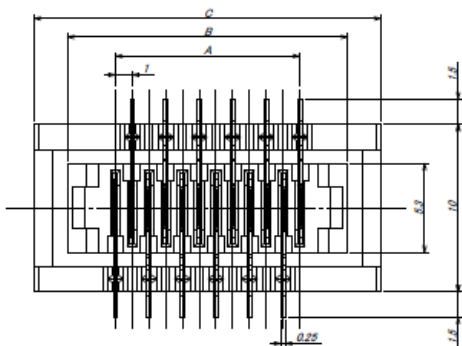


RECOMMENDED PCB SIZE  
GENERAL TOLERANCE : ±0.05  
THICKNESS OF PCB : 1.6mm  
(MOUNTING SIDE)

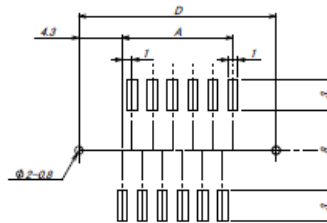
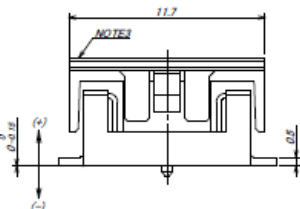
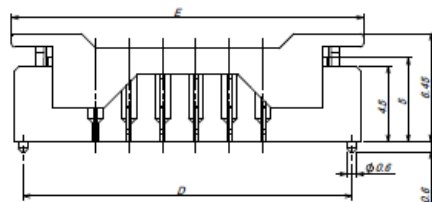
CKT	A	B	C	D
6	5.0	6.9	8.5	5.9
8	7.0	8.9	10.5	7.9
10	9.0	10.9	12.5	9.9
12	11.0	12.9	14.5	11.9
14	13.0	14.9	16.5	13.9
16	15.0	16.9	18.5	15.9
18	17.0	18.9	20.5	17.9
20	19.0	20.9	22.5	19.9
22	21.0	22.9	24.5	21.9
24	23.0	24.9	26.5	23.9
26	25.0	26.9	28.5	25.9
28	27.0	28.9	30.5	27.9
30	29.0	30.9	32.5	29.9

## IMSA-9851B- \*\*□-□□

## SERIES 9851 PLUG



CKT	A	B	C	D	E
6	5.0	10.7	14.7	13.6	15.0
8	7.0	12.7	16.7	15.6	17.0
10	9.0	14.7	18.7	17.6	19.0
12	11.0	16.7	20.7	19.6	21.0
14	13.0	18.7	22.7	21.6	23.0
16	15.0	20.7	24.7	23.6	25.0
18	17.0	22.7	26.7	25.6	27.0
20	19.0	24.7	28.7	27.6	29.0
22	21.0	26.7	30.7	29.6	31.0
24	23.0	28.7	32.7	31.6	33.0
26	25.0	30.7	34.7	33.6	35.0



RECOMMENDED PCB SIZE  
GENERAL TOLERANCE : ±0.05  
THICKNESS OF PCB : 1.6mm  
(MOUNTING SIDE)

## IRISO U.S.A., INC.

\*Specification is subject to change without prior notice for improving performance of the product and so on.  
\*Dimension and specification described herein are limited to major items. When applying the products, please confirm details on drawing and specification sheets which will be provided upon request.