

# 10121/9984 SERIES

## Board to Board Connector



- 0.5mm pitch Board to Board connector with floating function
- High Speed transmission (Up to 5Gbps)
- High operating temperature range (40°C~+105°C)

10121 Socket and 9984 Plug are 0.5mm pitch Board to Board connector combination with floating function. This combination can meet High Speed transmission (up to 5Gbps) and there are two types of mating height variation (10mm & 15mm). High operating temperature range can be used in automotive application like car AVN.

### Feature

- Floating function (X, Y = 0.5mm)
- High Speed transmission (Up to 5Gbps)
- Two types of mating height variation (10mm & 15mm)
- High operating temperature range : -40°C~+105°C
- RoHS compliant

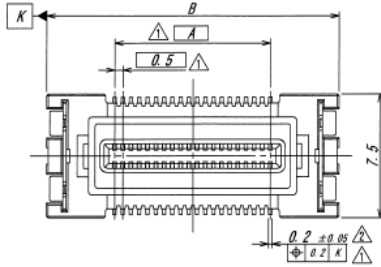
### Specifications

	10121S	9984B
Parts No.	IMSA-10121S-***Y□□□	IMSA-9984B-***Y□□□
Type	Straight Type	Straight Type
Pitch	0.5mm	0.5mm
No. of contacts	100P, 120P, 160P	100P, 120P, 160P
PCB connecting type	SMT	SMT
Rated Current	0.4A	0.4A
Rated Voltage	50V (AC,DC)	50V (AC,DC)
D.W voltage	250V (AC, 1min)	250V (AC, 1min)
Insulation resistance	500MΩ or more	500MΩ or more
Contact Resistance	100mΩ or below	100mΩ or below
Floating Range	X, Y = 0.5mm	X, Y = 0.5mm
Operating temperature	-40~+105°C	-40~+105°C
Plating	Au plating over Ni	Au plating over Ni

# 10121 SERIES (mating height 15mm)

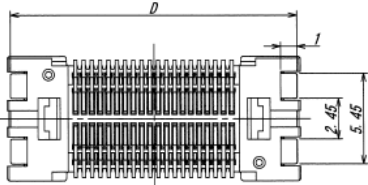
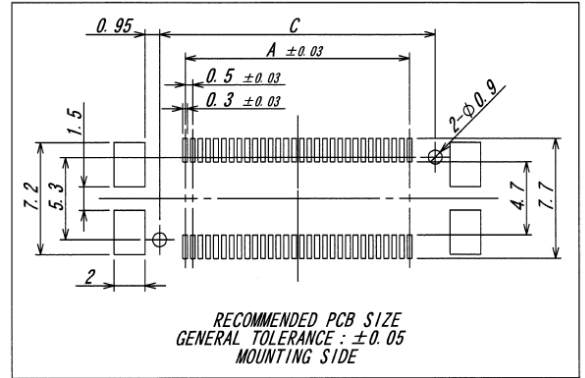
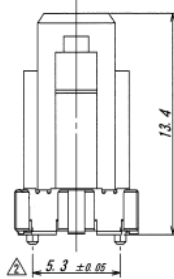
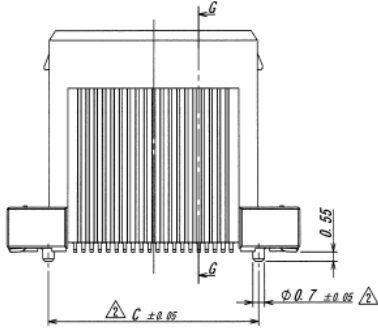
IMSA-10121S-\*\*\*(E,F)-GFN4

10121 SOCKET



CKT	PARTS No.	A	B	C	D	E	F
100	10121S-100*-GFN4	24.50	32.80	27.80	32.40	31.50	25.10
120	10121S-120*-GFN4	29.50	37.80	32.80	37.40	36.50	30.10
160	10121S-160*-GFN4	39.50	47.80	42.80	47.40	46.50	40.10

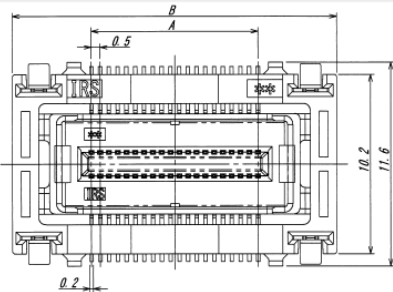
NOTE  
COPLANARITY : 0.1mm MAX



# 9984 SERIES

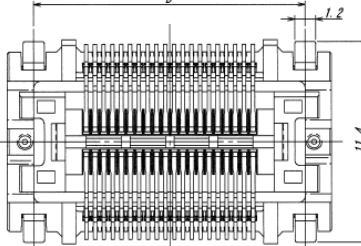
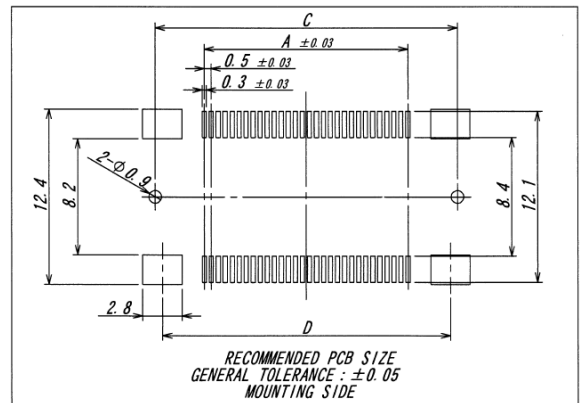
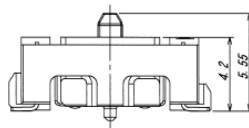
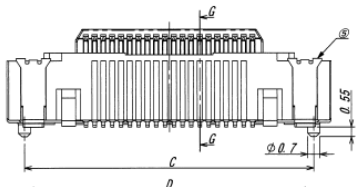
IMSA-9984B-\*\*\*(E,F)-GFN4

9984 PLUG



CKT	PARTS No.	A	B	C	D	E
100	9984B-100*-GFN4	24.50	33.50	31.50	30.50	34.50
120	9984B-120*-GFN4	29.50	38.50	36.50	35.50	39.50
160	9984B-160*-GFN4	39.50	48.50	46.50	45.50	49.50

NOTE  
COPLANARITY : 0.1mm MAX



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\*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.