

9827/9828/9860 SERIES

Floating B to B Type Connector



- 0.8mm pitch
- Floating range $\pm 0.5\text{mm}$ in X, Y, Z directions
- Variety of Line up

The 9827/9828/9860 series is a 0.8mm-pitch SMT, BtoB connector with floating function. It is applicable for Car electronics, Infrastructure, Industrial machine and all variety of applications. It has a wide variety of Line up (Connecting type and height) to choose from. This is a standard item that already shipped over 340 Million pcs, since 2001.

Features

- Floating range is $\pm 0.5\text{mm}$ in X, Y, Z directions can be advantage in customer assembling.
- Line-up of Right angle, Parallel (Stacking) type and variety of height, so it can be freely designed.
- Compliant with RoHS

Specifications

| | | |
|----|-----------------------|-----------------------------|
| 1 | Series No. | 9827 / 9828 / 9860 |
| 2 | Pitch | 0.8mm |
| 3 | No. of contacts | 30~120P |
| 4 | Mating Height | 6.00~24.70mm |
| 5 | Current rating | 0.5A |
| 6 | Voltage rating | 50V |
| 7 | D.W voltage | 250V |
| 8 | Insulation Resistance | 500M Ω |
| 9 | Contact Resistance | 100m Ω or below |
| 10 | Operating Temperature | -40~+105 $^{\circ}\text{C}$ |
| 11 | Floating Range | $\pm 0.5\text{mm}$ |
| 12 | Plating | Au plating |

Website

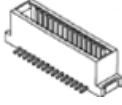



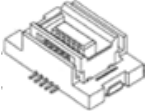

http://www.iriso.co.jp/en/product_series/9827/





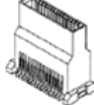

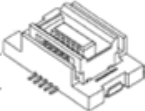

http://www.iriso.co.jp/en/product_series/9828/

http://www.iriso.co.jp/en/product_series/9860/

9827/9828/9860 SERIES

Mating Height Metrics

| SOCKET \ PLUG | | 9827B SMT | 9827B SMT | 9827B SMT | 9828B SMT |
|---------------|---|---|---|---|--|
| | |  |  |  |  |
| | | 4.8mm | 6.8mm | 7.8mm | - |
| | | Y953(Z13-GFC) | Y954(Z14-GFC) | Y955(Z15-GFC) | Y921(N-GFC) |
| 9827S SMT |  | 6.0mm | 8.0mm | 9.0mm | |
| | | 4.95mm | | | |
| Y926(Z09-GF) | | 5.5~6.5 | 7.5~8.5 | 8.5~9.5 | |
| 9828S SMT |  | 9.75mm | 11.75mm | 12.75mm | Vertical (ST-RA) |
| | | 8.45mm | | | |
| Y922(Z07-GF) | | 9.25~10.25 | 11.25~12.25 | 12.25~13.25 | - |

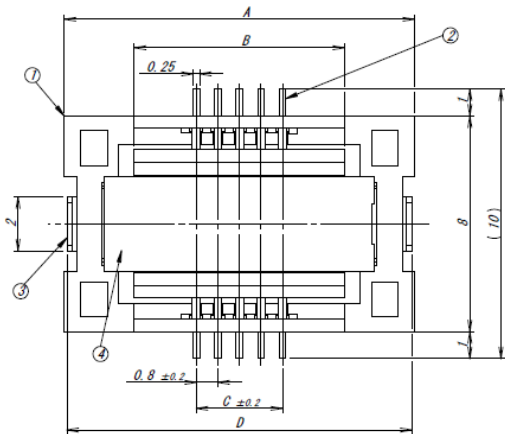
| SOCKET \ PLUG | | 9860B SMT | 9860B SMT | 9860B SMT | 9860B SMT | 9860B SMT | 9860B SMT |
|---------------|---|---|---|---|--|---|---|
| | |  |  |  |  |  |  |
| | | 10.95mm | 13.05mm | 14.55mm | 15.8mm | 17.65mm | 19.75mm |
| | | Y509(Z17-GFA) | Y947(Z09-GFC) | Y912(Z14-GFA) | Y940(Z07-GFC) | Y508(Z16-GFA) | Y921(Z18-GFA) |
| 9827S SMT |  | 12.15mm | 14.25mm | 15.75mm | 17.0mm | 18.85mm | 20.95mm |
| | | 4.95mm | | | | | |
| Y926(Z09-GF) | | 11.65~12.65 | 13.75~14.75 | 15.25~16.25 | 16.5~17.5 | 18.35~19.35 | 20.45~21.45 |
| 9828S SMT |  | 15.9mm | 18.0mm | 19.5mm | 20.75mm | 22.6mm | 24.7mm |
| | | 8.45mm | | | | | |
| Y922(Z07-GF) | | 15.4~16.4 | 17.5~18.5 | 19.0~20.0 | 20.25~21.25 | 22.1~23.1 | 24.2~25.2 |

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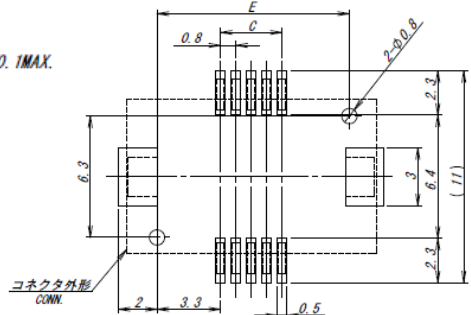
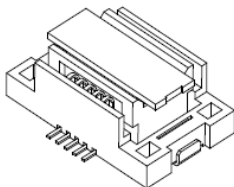
IMSA-9827S-**-□-□□

SERIES 9827 SOCKET

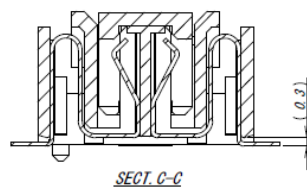
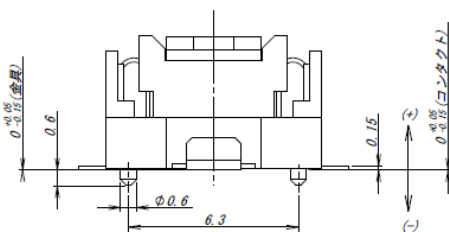
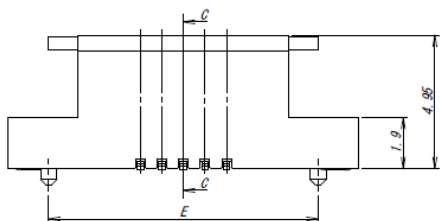
| CKT | PART No. | A | B | C | D | E |
|-----|----------------|------|------|------|------|------|
| 30 | 9827S-30Z04-GF | 21.0 | 15.8 | 11.2 | 20.8 | 18.0 |
| 40 | 9827S-40Z04-GF | 25.0 | 19.8 | 15.2 | 24.8 | 22.0 |
| 50 | 9827S-50Z04-GF | 29.0 | 23.8 | 19.2 | 28.8 | 26.0 |
| 60 | 9827S-60Z04-GF | 33.0 | 27.8 | 23.2 | 32.8 | 30.0 |
| 70 | 9827S-70Z04-GF | 37.0 | 31.8 | 27.2 | 36.8 | 34.0 |
| 80 | 9827S-80Z04-GF | 41.0 | 35.8 | 31.2 | 40.8 | 38.0 |



NOTE
1. コプラナリティ/ COPLANARITY : 0.1MAX.



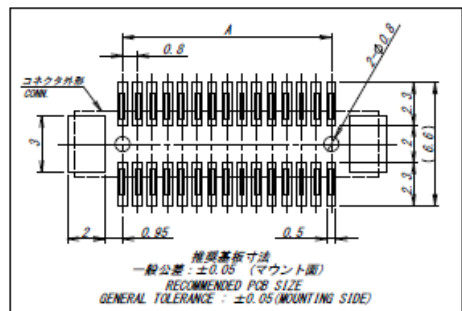
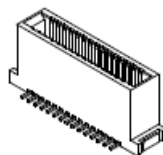
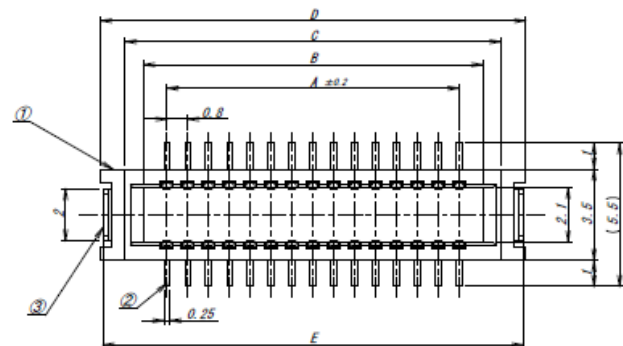
推奨基板寸法
一般公差 : ±0.05 (マウント面)
RECOMMENDED PCB SIZE
GENERAL TOLERANCE : ±0.05 (MOUNTING SIDE)



IMSA-9827B-**-□-□□

SERIES 9827 PLUG

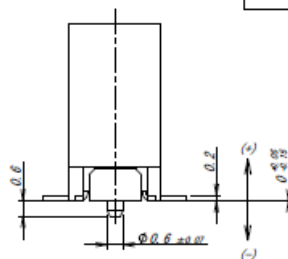
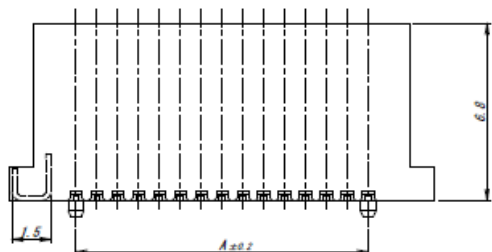
| CKT | PART No. | A | B | C | D | E |
|-----|----------------|------|------|------|------|------|
| 30 | 9827B-30J-GFC | 11.2 | 13.0 | 14.4 | 16.3 | 16.1 |
| 40 | 9827B-40J-GFC | 15.2 | 17.0 | 18.4 | 20.3 | 20.1 |
| 50 | 9827B-50J-GFC | 19.2 | 21.0 | 22.4 | 24.3 | 24.1 |
| 60 | 9827B-60J-GFC | 23.2 | 25.0 | 26.4 | 28.3 | 28.1 |
| 70 | 9827B-70J-GFC | 27.2 | 29.0 | 30.4 | 32.3 | 32.1 |
| 80 | 9827B-80J-GFC | 31.2 | 33.0 | 34.4 | 36.3 | 36.1 |
| 90 | 9827B-90J-GFC | 35.2 | 37.0 | 38.4 | 40.3 | 40.1 |
| 100 | 9827B-100J-GFC | 39.2 | 41.0 | 42.4 | 44.3 | 44.1 |
| 110 | 9827B-110J-GFC | 43.2 | 45.0 | 46.4 | 48.3 | 48.1 |
| 120 | 9827B-120J-GFC | 47.2 | 49.0 | 50.4 | 52.3 | 52.1 |



推奨基板寸法
一般公差 : ±0.05 (マウント面)
RECOMMENDED PCB SIZE
GENERAL TOLERANCE : ±0.05 (MOUNTING SIDE)

NOTE
1. コプラナリティ : 0.1MAX.

NOTE
1. COPLANARITY : 0.1MAX.



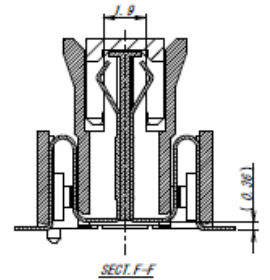
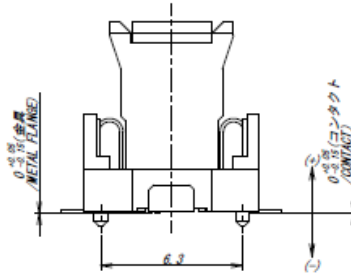
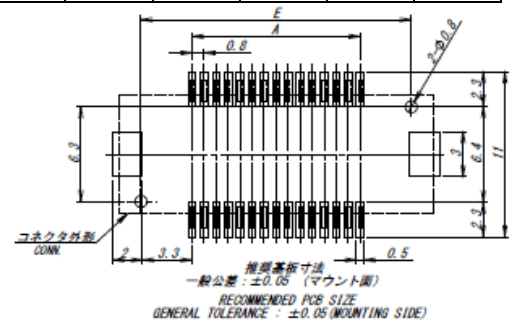
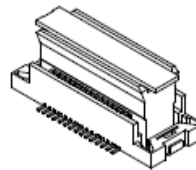
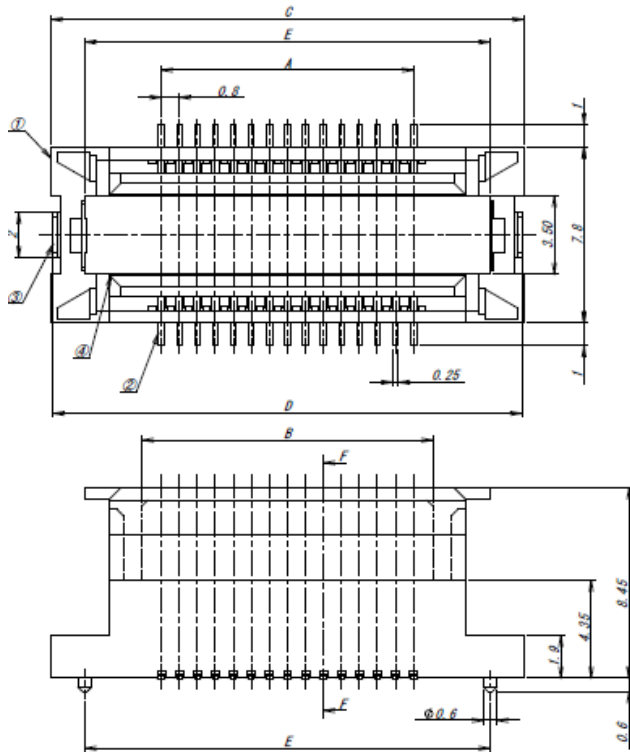
9827/9828/9860 SERIES

IMSA-9828S-**□-□□

SERIES 9828 SOCKET

| CKT | PART No. | A | B | C | D | E |
|-----|-----------------|------|------|------|------|------|
| 30 | 9828S-30Z04-GF | 11.2 | 12.9 | 21.0 | 20.8 | 18.0 |
| 40 | 9828S-40Z04-GF | 15.2 | 16.9 | 25.0 | 24.8 | 22.0 |
| 50 | 9828S-50Z04-GF | 19.2 | 20.9 | 29.0 | 28.8 | 26.0 |
| 60 | 9828S-60Z04-GF | 23.2 | 24.9 | 33.0 | 32.8 | 30.0 |
| 70 | 9828S-70Z04-GF | 27.2 | 28.9 | 37.0 | 36.8 | 34.0 |
| 80 | 9828S-80Z04-GF | 31.2 | 32.9 | 41.0 | 40.8 | 38.0 |
| 90 | 9828S-90Z04-GF | 35.2 | 36.9 | 45.0 | 44.8 | 42.0 |
| 100 | 9828S-100Z04-GF | 39.2 | 40.9 | 49.0 | 48.8 | 46.0 |
| 110 | 9828S-110Z04-GF | 43.2 | 44.9 | 53.0 | 52.8 | 50.0 |
| 120 | 9828S-120Z04-GF | 47.2 | 48.9 | 57.0 | 56.8 | 54.0 |

NOTE
1. コプラナリティー/COPLANARITY : 0.1MAX.

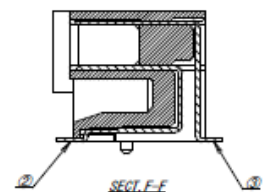
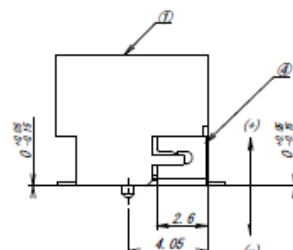
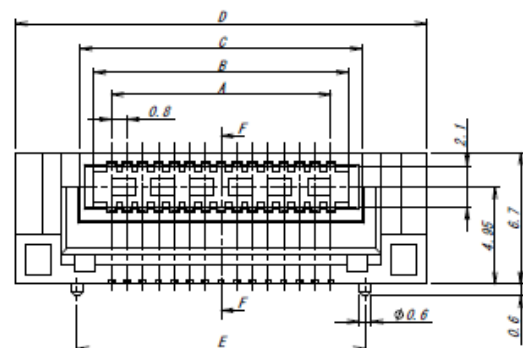
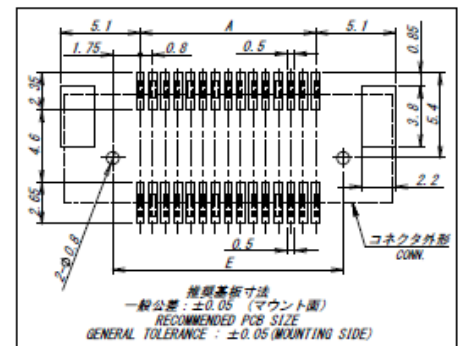
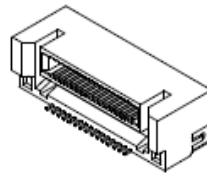
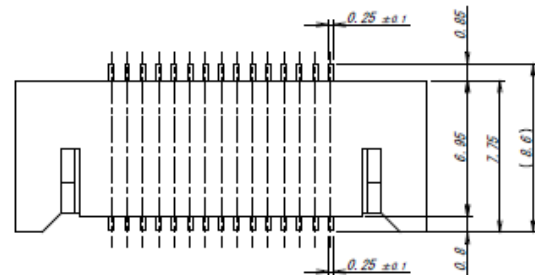


IMSA-9828B-**□-□□

SERIES 9828 PLUG

| CKT | PART No. | A | B | C | D | E |
|-----|---------------|------|------|------|------|------|
| 30 | 9828B-30D-GFC | 11.2 | 13.0 | 14.4 | 21.0 | 14.7 |
| 40 | 9828B-40D-GFC | 15.2 | 17.0 | 18.4 | 25.0 | 18.7 |
| 50 | 9828B-50D-GFC | 19.2 | 21.0 | 22.4 | 29.0 | 22.7 |
| 60 | 9828B-60D-GFC | 23.2 | 25.0 | 26.4 | 33.0 | 26.7 |
| 70 | 9828B-70D-GFC | 27.2 | 29.0 | 30.4 | 37.0 | 30.7 |
| 80 | 9828B-80D-GFC | 31.2 | 33.0 | 34.4 | 41.0 | 34.7 |
| 90 | 9828B-90D-GFC | 35.2 | 37.0 | 38.4 | 45.0 | 38.7 |

NOTE
1. コプラナリティー/COPLANARITY : 0.1MAX. (CKT-30~90)
0.15MAX. (CKT-100~120)

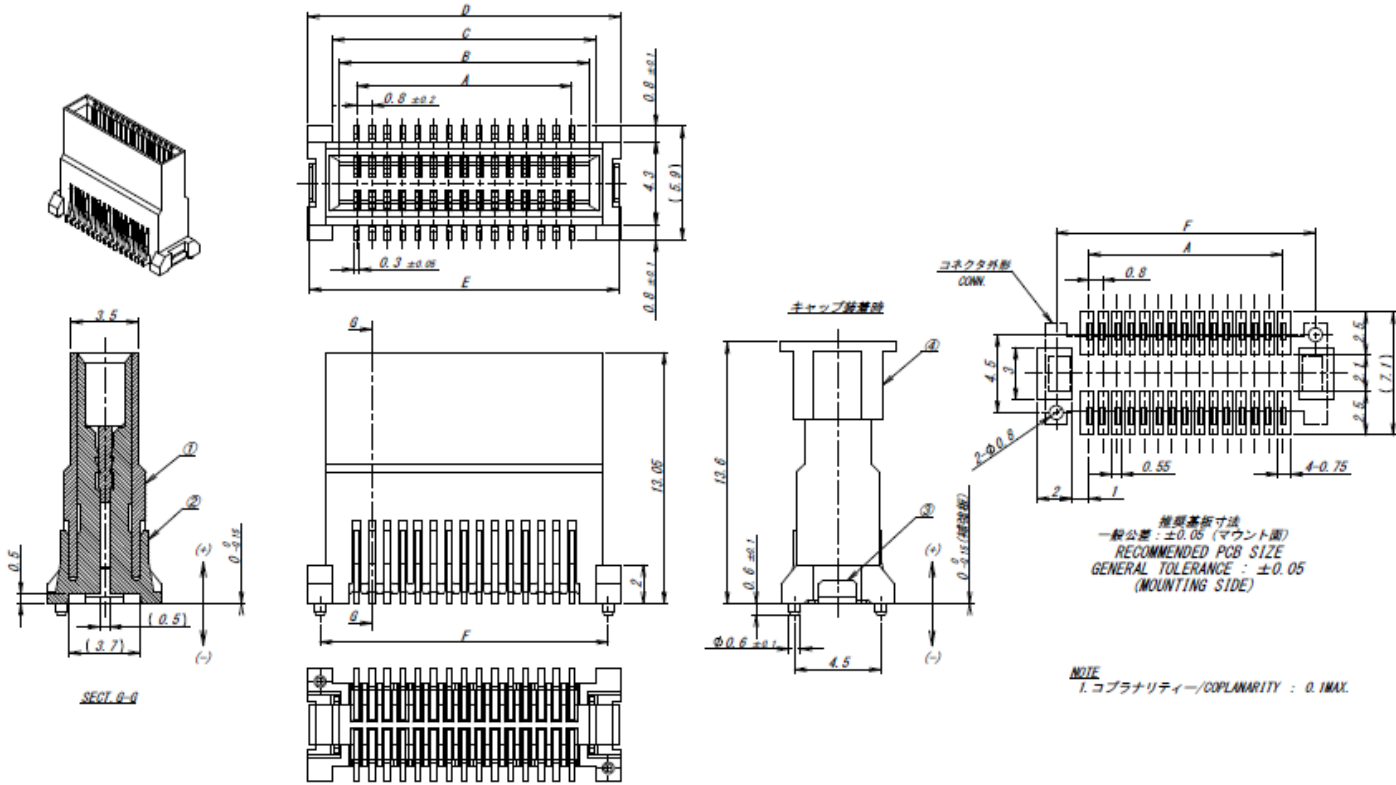


9827/9828/9860 SERIES

IMSA-9860B-**-□-□□

SERIES 9860 PLUG

| CKT | PART No. | A | B | C | D | E | F |
|-----|------------------|------|------|------|------|------|------|
| 30 | 9860B-30Z03-GFC | 11.2 | 13.0 | 13.7 | 16.3 | 16.1 | 15.0 |
| 50 | 9860B-50Z03-GFC | 19.2 | 21.0 | 21.7 | 24.3 | 24.1 | 23.0 |
| 80 | 9860B-80Z03-GFC | 31.2 | 33.0 | 33.7 | 36.3 | 36.1 | 35.0 |
| 100 | 9860B-100Z03-GFC | 39.2 | 41.0 | 41.7 | 44.3 | 44.1 | 43.0 |



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.

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