



0.2mm Pitch, 1mm Overall Height FPC Connector

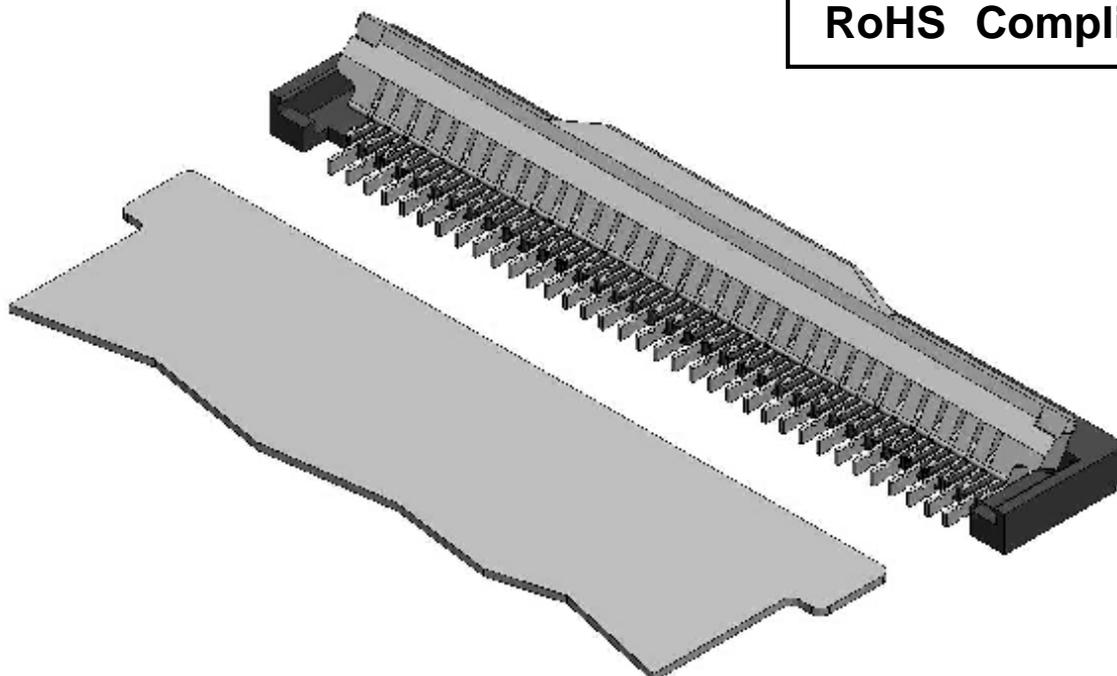
CONNECTOR

MB-0202-2

September 2009

## FF08 Series

**RoHS Compliant**



The FF08 Series are slim, bottom contact 0.2mm narrow pitch FPC connectors ideally suited for portable devices with minimized mounting space, such as mobile phones.

**Features**

- 0.2mm narrow pitch, space saving FPC connector with 1mm overall height and 2.85mm depth.
- Applicable FPC thickness 0.15mm  $\pm$  0.02mm, bottom contact, ZIF insertion type.
- Tab on FPC sides work to hold FPC in place while actuator closes and prevents mating misalignment.
- Excellent actuator operation.
- Friction lock structure for closed actuator.
- Area under connector, except terminal area, can be used for trace patterns.
- Pb-free, halogen-free compliant.
- Ni barrier layer is included as a solder diffusion countermeasure.

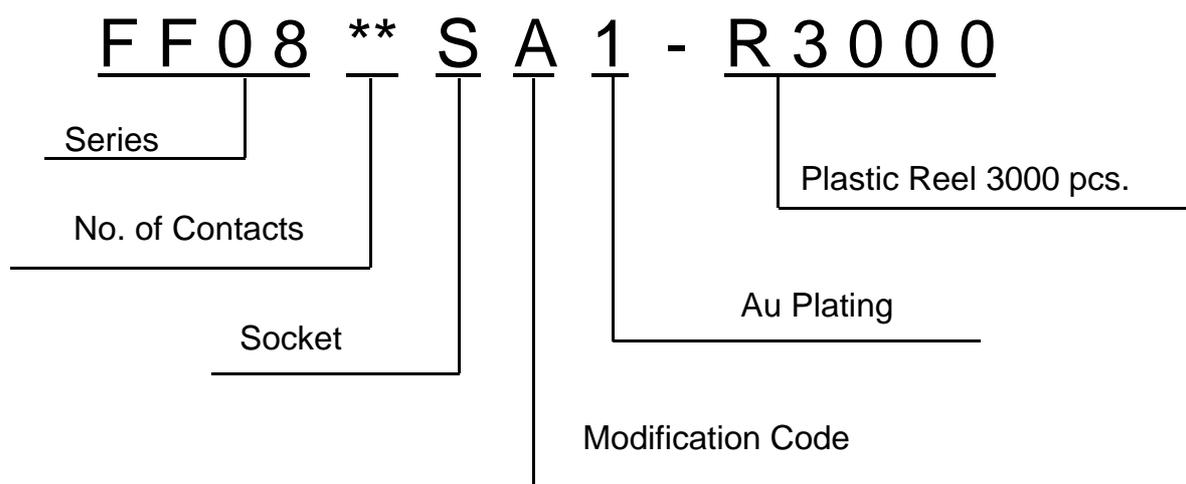
**General Specifications**

- |  |   |
|--|---|
| ■ No. of Contacts: 29, 41, 61, 71, 81 pos.                   | ■ Rated Current: DC 0.3A per pos.               |
| ■ Contact Resistance: 70m ohm max.                           | ■ Rated Voltage: AC, DC 50V per pos.            |
| ■ Dielectric Withstanding Voltage:<br>AC250Vr.m.s per minute | ■ Applicable FPC thickness: 0.15mm $\pm$ 0.02mm |
| ■ Operating Temperature:<br>-40 Deg. C to +85 Deg. C         | ■ Pitch: 0.2mm staggered pitch                  |
| ■ Durability: 20 mating cycles                               |   |

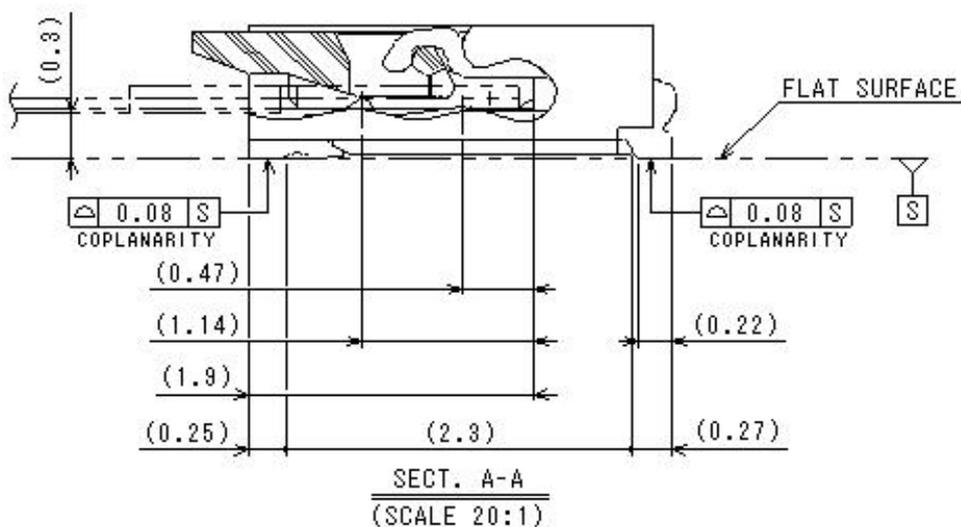
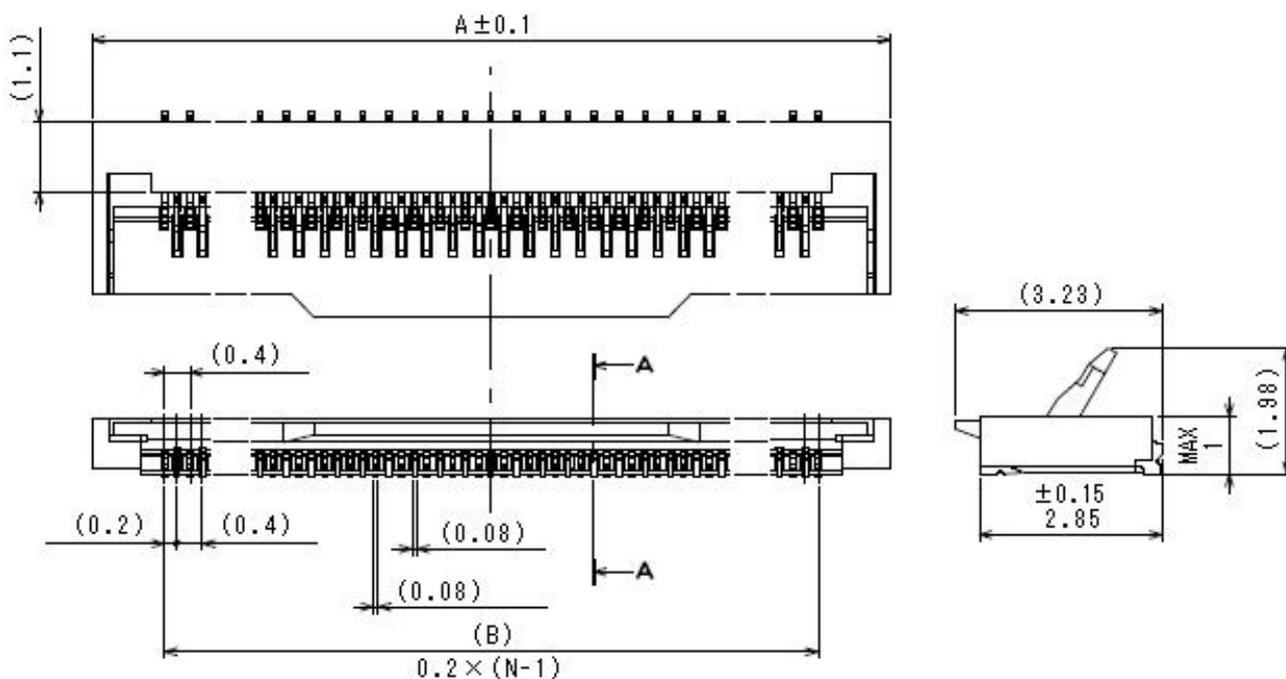
Materials and Finishes

Component	Material/Finish
Insulator	LCP (UL94V-0, Color: white, Halogen free)
Actuator	PPS (UL94V-0, Color: black, Halogen free)
Contact (2 types)	Copper alloy, Au plating over Ni Contact area: 0.1um min. Au plating Terminal area: 0.3um min. Au plating

Ordering Information

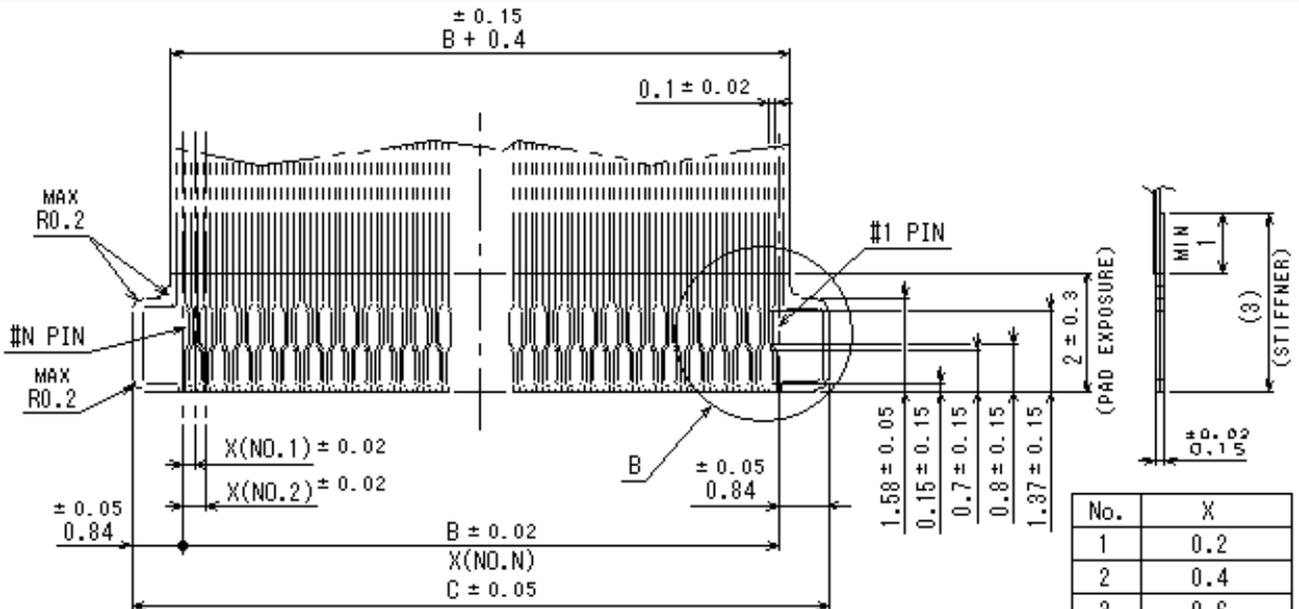


<b>Part Number</b>	<b>FF08**SA1</b>
<b>SJ Drawing</b>	<b>SJ108178</b>



No. of Contacts	Dimension A	Dimension B
29	7.85	5.6
41	10.25	8.0
61	14.25	12.0
71	16.25	14.0
81	18.25	16.0

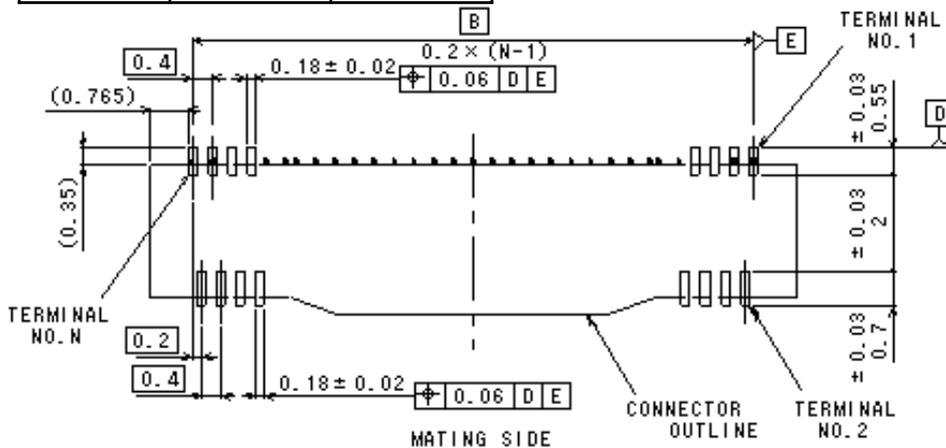
Unit: mm



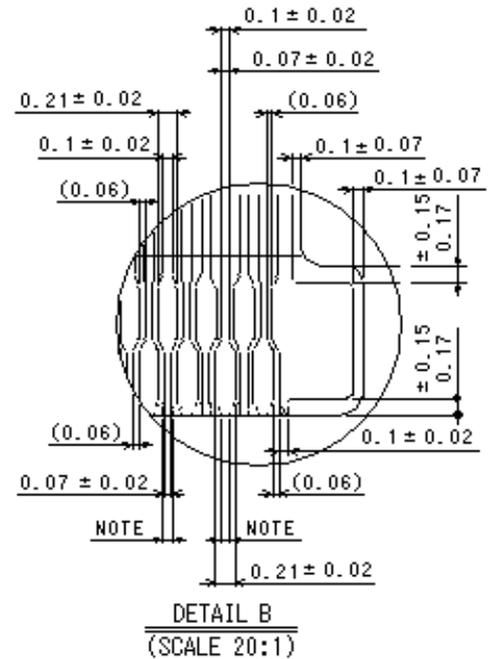
No.	X
1	0.2
2	0.4
3	0.6
:	:
:	:
N	0.2 × (N-1)

No. of Contacts	Dimension B	Dimension C
29	5.6	7.28
41	8	9.68
61	12	13.68
71	14	15.68
81	16	17.68

APPLICABLE FPC DIMENSION (REF.)  
適合FPC寸法(参考)



APPLICABLE PCB DIMENSION (REF.)  
適合基板寸法



Note) If there is no pattern abrasion, dimension for width is arbitrary.

Unit: mm

**Japan Aviation Electronics Industry, Limited**

**Notice:** Products shown in this leaflet are made for the applications listed below. However, if the above-mentioned products are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for life-support systems, or any other specific application requiring extremely high reliability, please contact JAE for further information.

Recommended applications: Computers, Office machines, Measuring devices, Telecommunication devices (Terminals, Mobile devices), AV devices, Household applications, FA devices, etc.