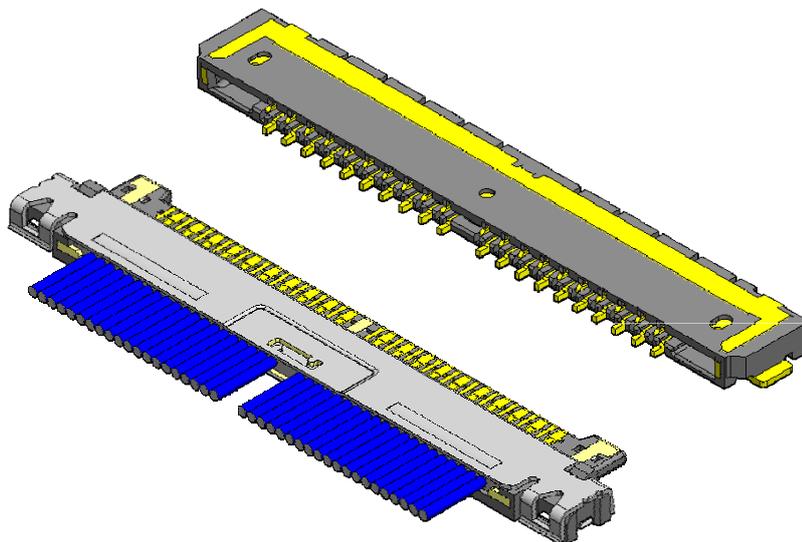


**NEW**  
Fine-wire Coaxial Connector  
For Compact Mobile Devices**FI-JHS Series**

CONNECTOR

MB-0235-1

September 2011

**RoHS Compliant**

Along with the size minimization and slimming of small portable devices such as mobile phones, high-speed signal transmission inside these devices is increasing due to higher performance and the incorporation of multiple functions.

The "FI-JHS Series" is a 0.8mm mounting height, 0.25mm contact pitch, horizontal connecting fine-wire coaxial connector designed to meet the demand for more compact, lower profile connectors with anti-noise performance.

**Features**

- 0.25mm pitch horizontal connection to allow for minimization and slimming.
- Mated dimensions of 3.90mm depth, 14.55mm width (for 40 position), and 0.8mm max. height.
- Enhanced connection stability with gold plated ground contact points on plug and receptacle.
- Enhanced mating guides to prevent reverse mating.
- Plug connector ground bar is a common type to improve workability. (Same ground bar as FI-JP and FI-JZ Series).
- Applicable wire: compatible with 44AWG (Note 1) , 46AWG fine-wire coaxial.  
Note 1: Applies to 0.25mm max. cable outer diameter.
- Stepped contact locking structure on plug contacts for enhanced retention.
- Supports automated mounting with embossed tape for receptacle
- Solder migration prevention structure with Ni barrier on receptacle

General Specifications
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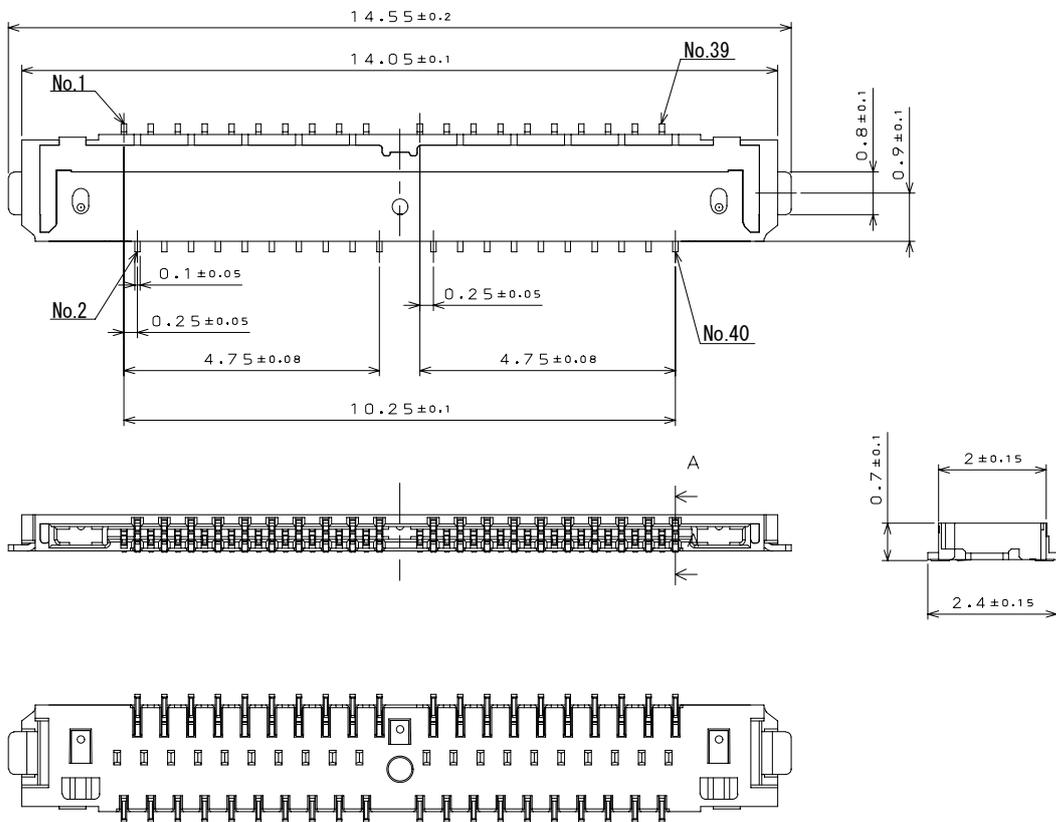
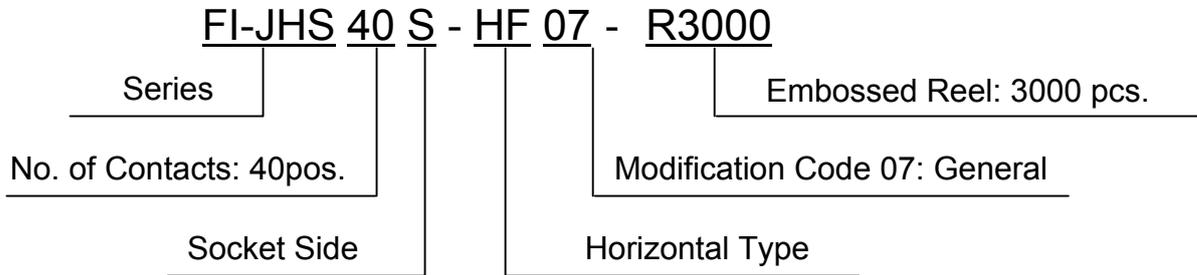
- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>■No. of Contacts: 40 pos.</li> <li>■Contact Resistance: <ul style="list-style-type: none"> <li>70mΩ max. (initial)</li> <li>100mΩ max. (after test)</li> <li>variation 60mΩ max.</li> </ul> </li> <li>■Dielectric Withstanding Voltage: <ul style="list-style-type: none"> <li>AC 100Vr. m.s per minute</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>■Rated Current: AC, DC each 0.2A per pos.</li> <li>■Rated Voltage: AC, DC each 50V per pos.</li> <li>■Insulation Resistance: 10MΩ min. (after test)</li> <li>■Durability: 20 mating cycles</li> <li>■Operating Temperature: <ul style="list-style-type: none"> <li>-40 Deg. C to +85 Deg. C</li> </ul> </li> </ul> |
|---|---|

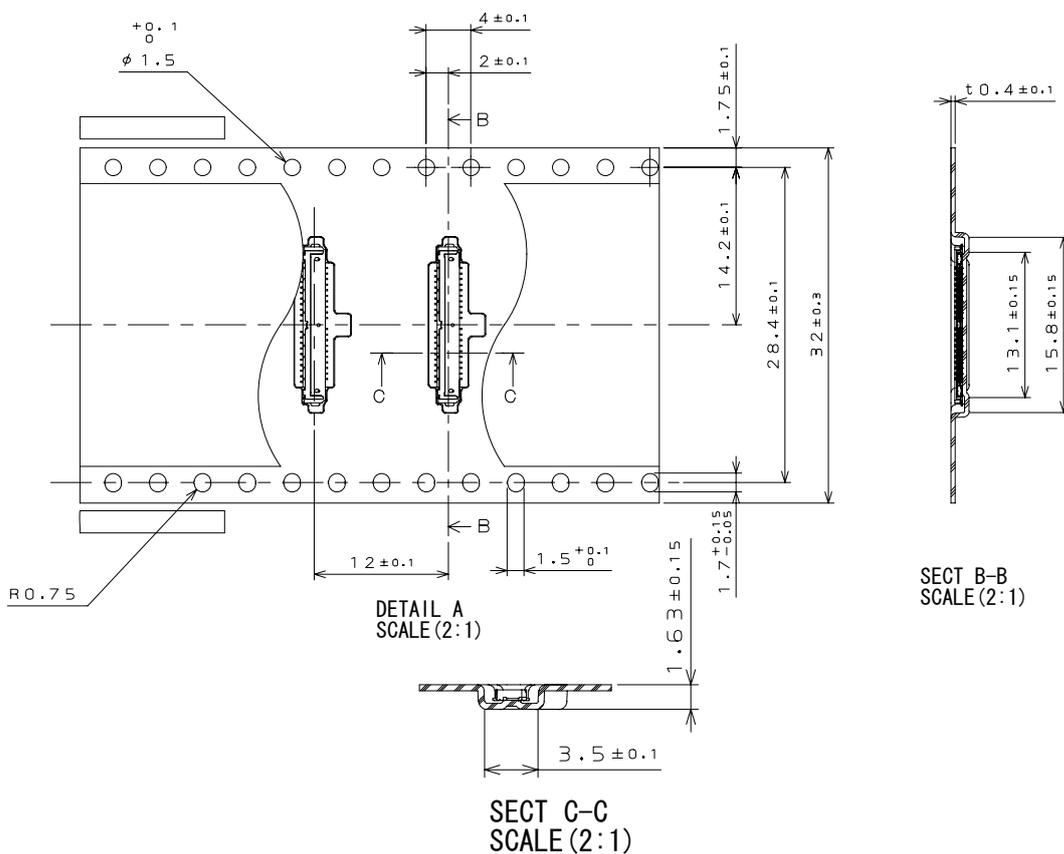
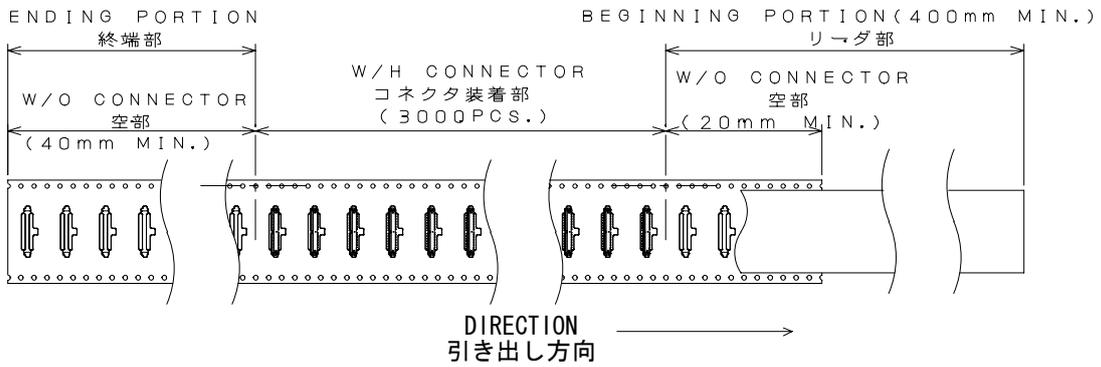
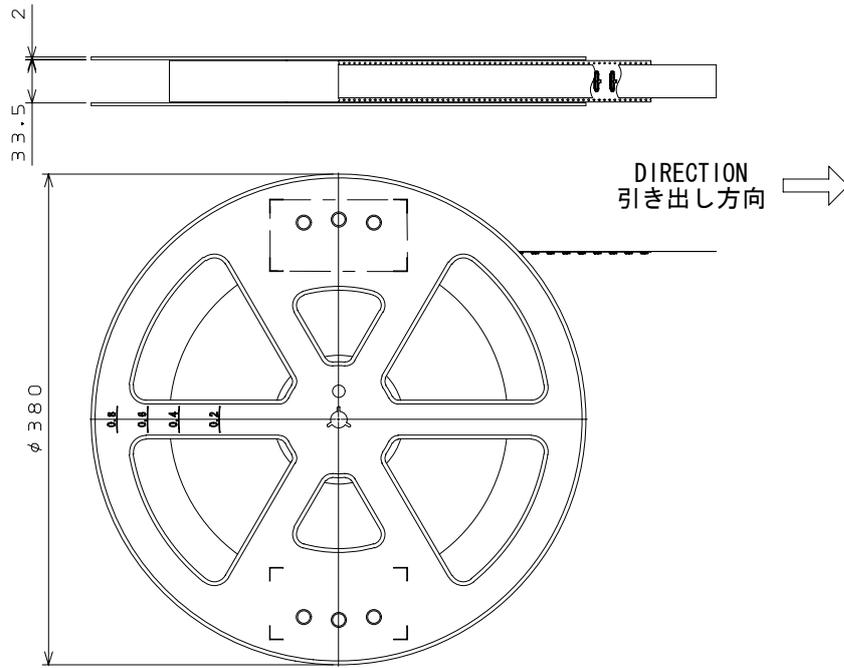
Materials and Finishes
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Component	Material / Finish
Receptacle (FI-JHS**S-HF07)	
Contact	Copper alloy / Contact area Au plating over Ni, Terminal area Au flash plating over Ni
Shell	Stainless steel / Contact area Au flash plating over Ni
Insulator	Heat resistant plastic
Adsorption Cover	Stainless steel
Plug (FI-JHS**C)	
Contact	Copper alloy / Contact area Au plating over Ni, Terminal area Au flash plating over Ni
Base Shell	Stainless steel / Au flash plating over Ni
Insulator	Heat resistant plastic
Plug / Cover Shell (FI-JHS**C-SH1)	
Cover shell	Stainless steel / Au flash plating over Ni

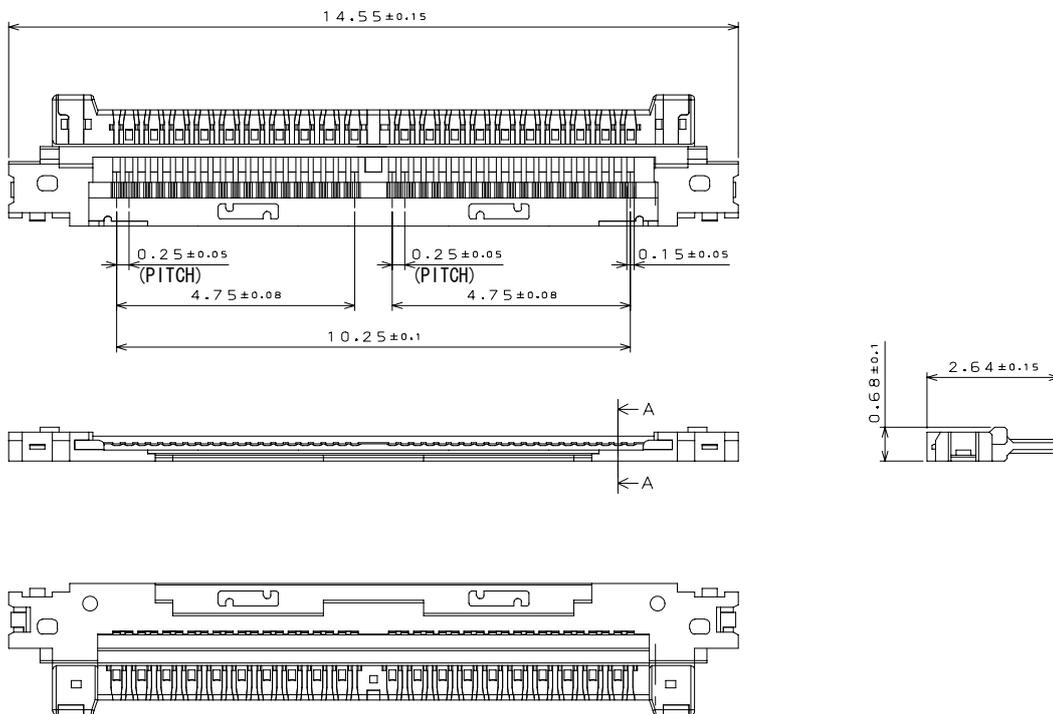
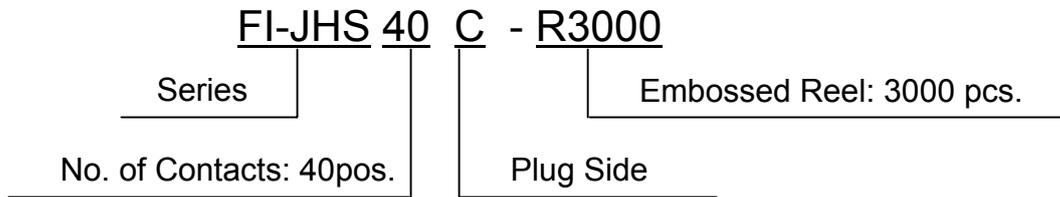
Ordering Information

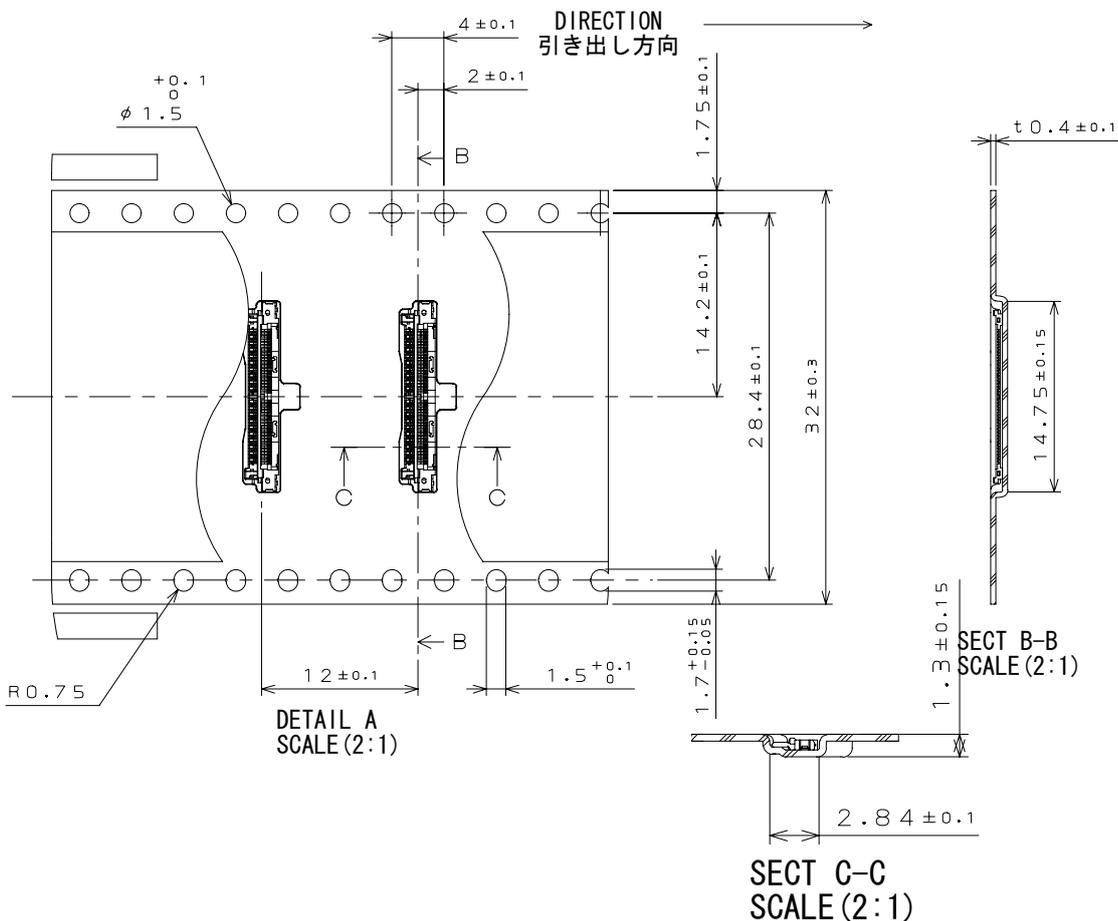
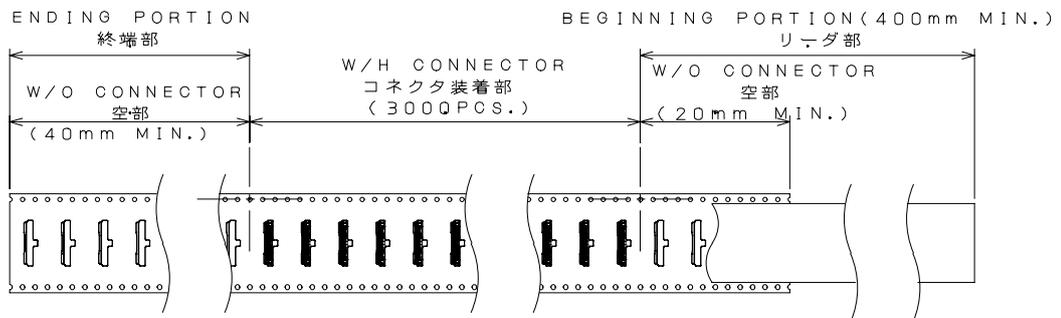
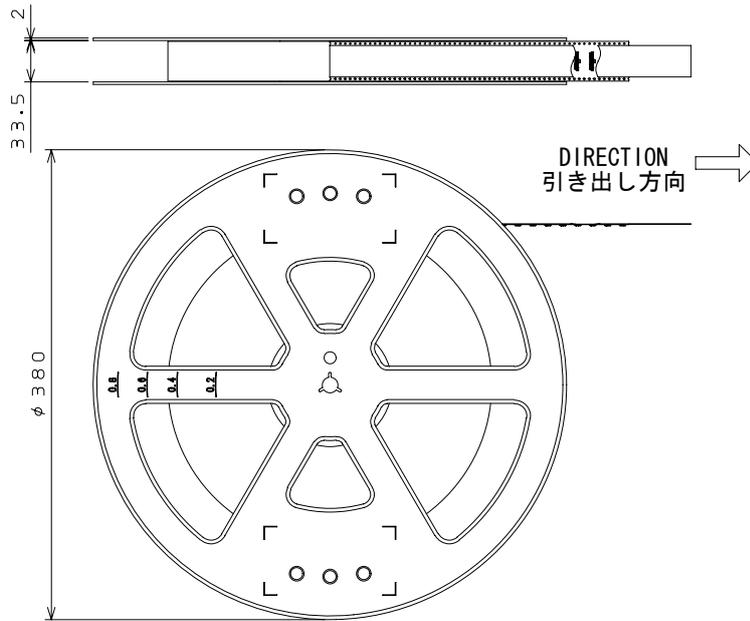
**Receptacle**  
**Individual Product (SJ110026)**  
**Reel Product (SJ110027)**



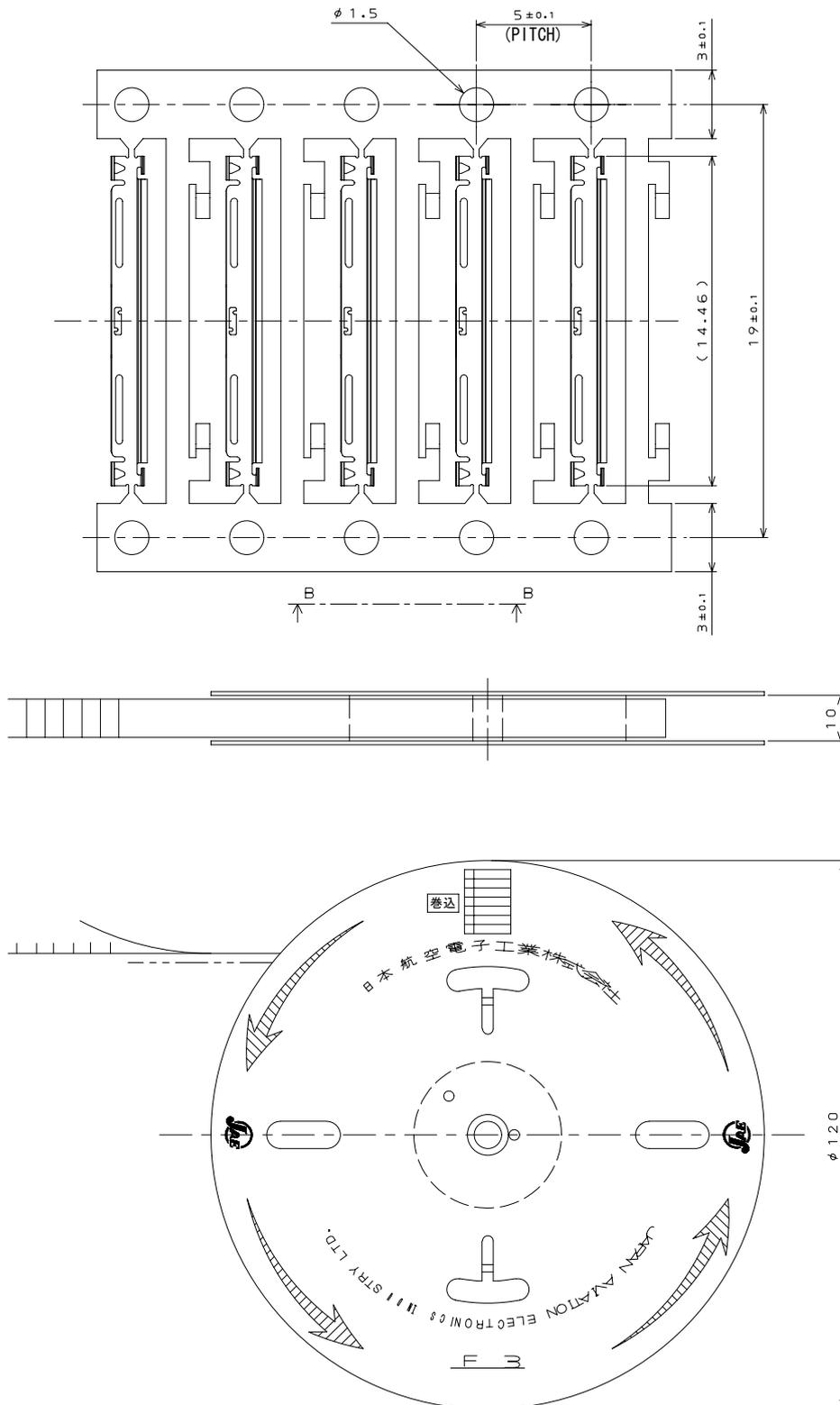
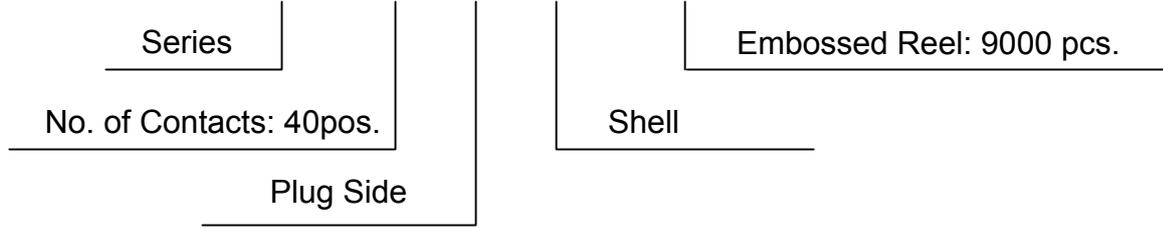


**Plug**  
**Individual Product (SJ110028)**  
**Reel Product (SJ110029)**

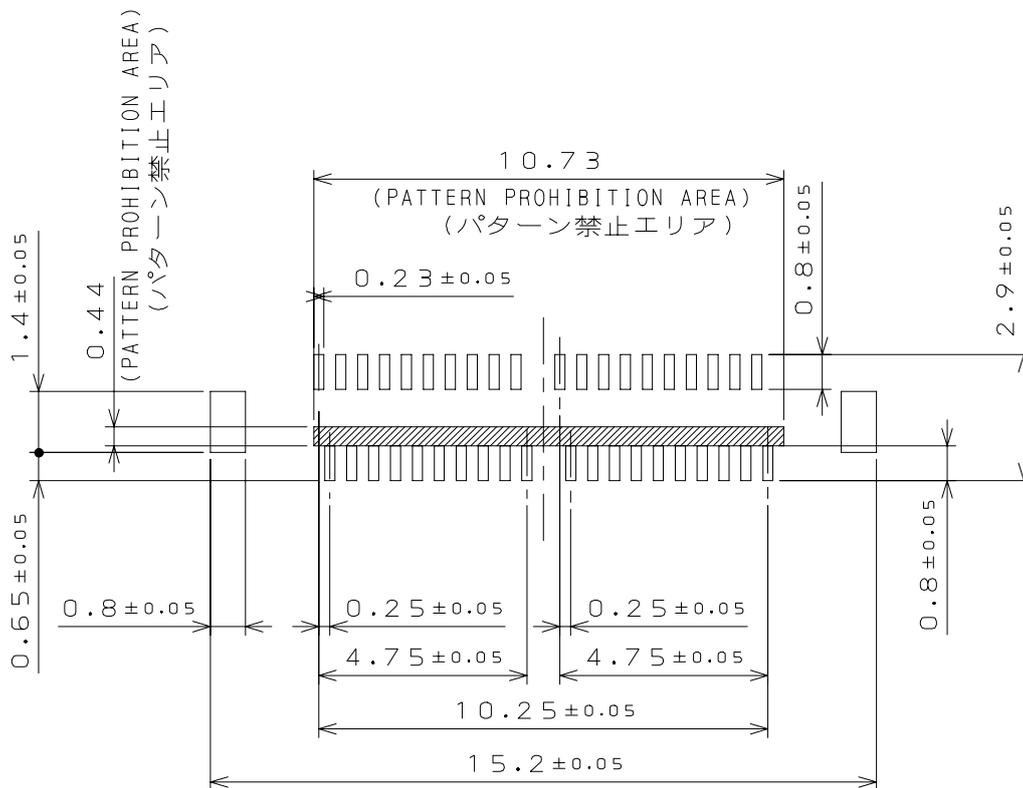




**Shell (SJ110030)**  
**FI-JHS 40 C - SH1 - 9000**



## &lt;Applicable Board Dimensions&gt;



APPLICABLE P.C.B. DIMENSION (REF.)  
 適合基板寸法 (参考)

Related Material
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- Specifications (JACS): JACS-10658
- Harness Assembly Handling Instructions (JAHL): JAHL- 10658 -1
- Connector Handling Instructions (JAHL): JAHL- 10658 -10

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**Notice:** Products shown in this brochure 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.