

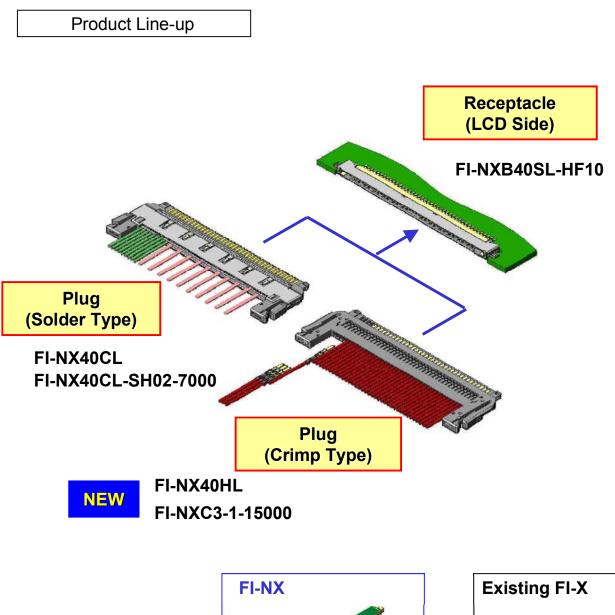
The FI-NX Series is a board-to-cable LCD interface connector designed for high-speed differential transmission. A discrete wire (twisted pair) plug with crimp contacts has been added to the existing product line-up.

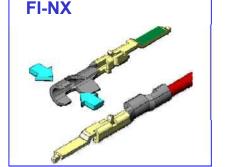
Features

- 0.8mm contact pitch, 40pos. connecter for LVDS transmission, compatible with the VESA 8-bit color LCD standard.
- LCD (LED back light) interface for notebook PC, cable plug available in solder type for fine coaxial wire, or crimp type for discrete wire.
- Superb impedance matching suitable for high-speed differential transmission.
- Low profile, 1.0mm mating height of board-side receptacle (standard bottom mount type).
- Metal shell provides superb shielding. Hold downs on the receptacle serve a dual purpose to reinforce board retention, and also act as ground contacts. When the connector is mated, the plug and receptacle shells connect to allow the plug shell to be grounded.
- Receptacle incorporates a ground plate that is connected to the board through ground terminals located at both ends of the connection area.
- Ni barrier layer is included as a solder diffusion countermeasure for receptacle contacts.
- Mechanical lock included to withstand vibration and shock.
- Mating side of plug has a guide that adjusts misalignments to ensure easy and secure mating.
- ■Pb-free product.

General Specifications

- ■No. of Contacts : 40 pos.
- Contact Resistance: 40m ohm max.
- Dielectric Withstanding Voltage :
 - AC 500Vr.m.s per minute
- ■Operating Temperature: -40 Deg. C to +80 Deg. C
- ■Rated Current: AC, DC each 0.5A per pos.
- ■Rated Voltage: AC, DC each 200V per pos.
- ■Insulation Resistance: 100M ohm min.
- Contact Pitch: 0.8mm







Note)

Crimp tool and applicator of existing FI-X Series can be used. (Attachment has to be changed).

Materials and Fin Receptacle Conne FI-NXB40SL-HF 1	ctor	None of the state
Component	Material / Finish	All and a second s
Contact	Copper alloy/ Contact portion: Au plating over Ni Terminal portion: Sn plating over Ni	
Ground Plate	Copper alloy/ Sn plating]
Insulator	Heat resistant plastic/ No]
Shell	Stainless steel/ Sn plating	1

Plug Connector, Fine-coaxial Wire, Solder Connection Type FI-NX40CL

Component	Material / Finish
Contact	Copper alloy/ Contact portion: Au plating over Ni Terminal portion: Sn plating over Ni
Press Fit Shell	Stainless steel/ Sn plating
Insulator	Heat resistant plastic/ No
Lock Spring	Stainless steel/ No

lug Connector, Fine-coaxial Wire, Solder Connection Type FI-NX40CL-SH02-7000		a trans
Component	Material / Finish	and the second s
Cover Shell	Stainless steel/ Sn plating	

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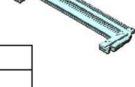
Plug Connector, Discrete Wire, Crimp Connection Type FI-NX40HL

Component	Material / Finish	
Ground Plate	Stainless steel/ Sn plating	
Insulator	Heat resistant plastic/ No	
Lock Spring	Stainless steel/ No	

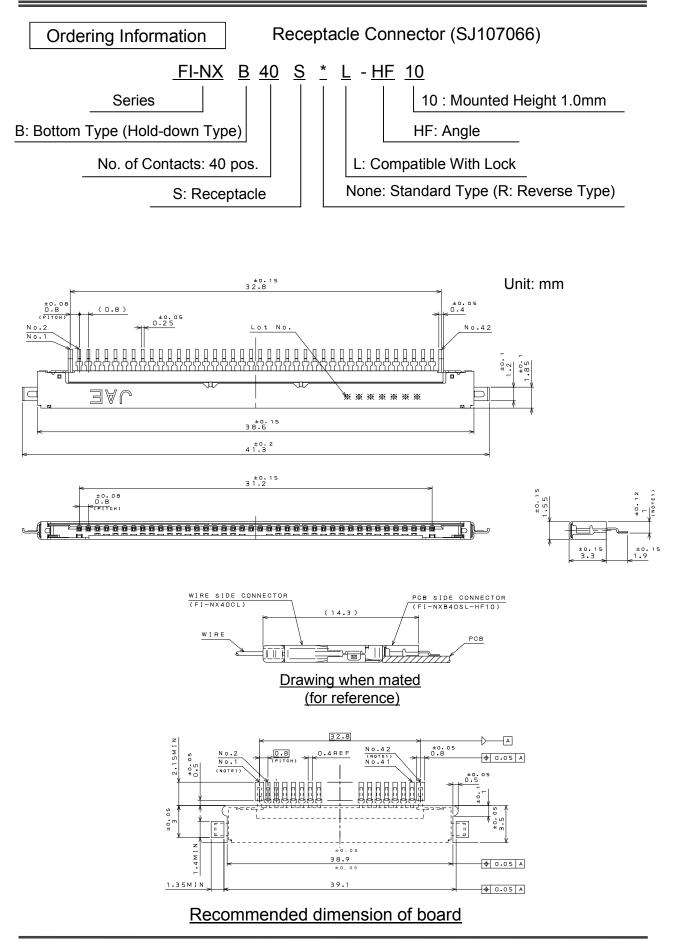
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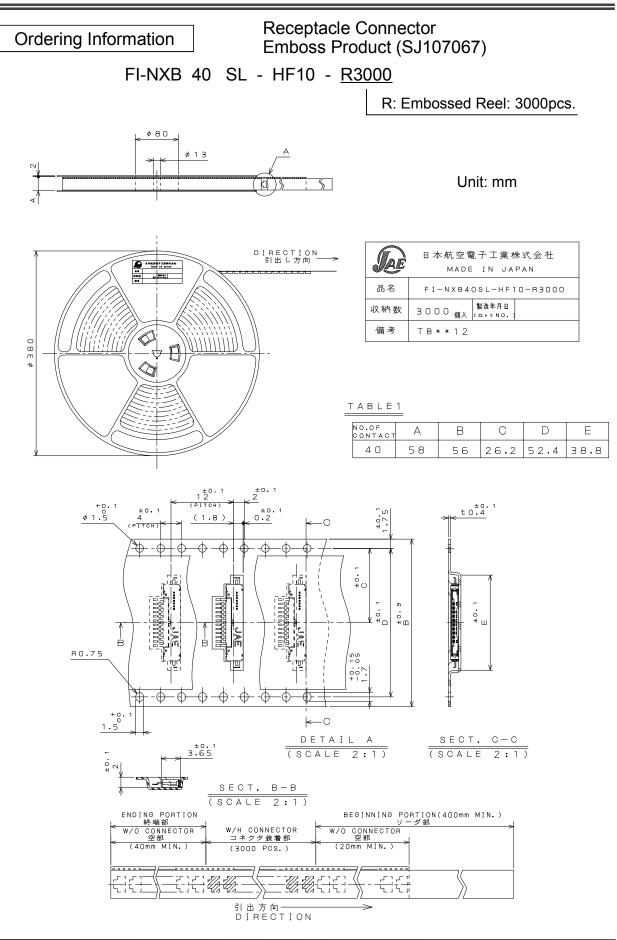
Plug Connector, Discrete Wire, Crimp Connection Type FI-NXC3-1-15000

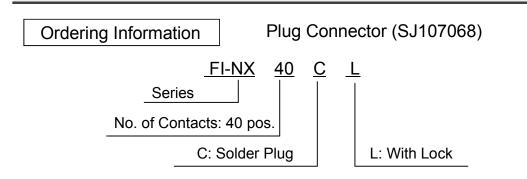
Component	Material / Finish
Crimp Contact	Stainless steel/ Sn plating
Magazine	Paper
Paper Tape	Paper



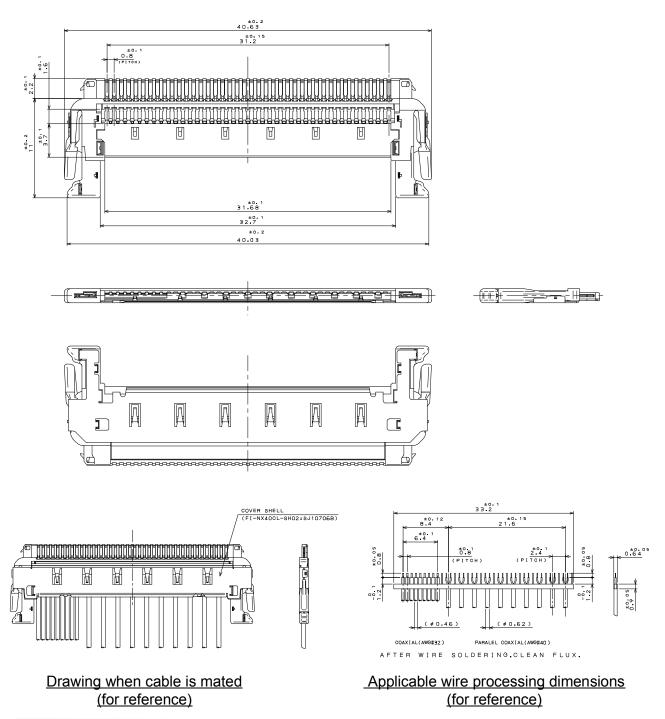


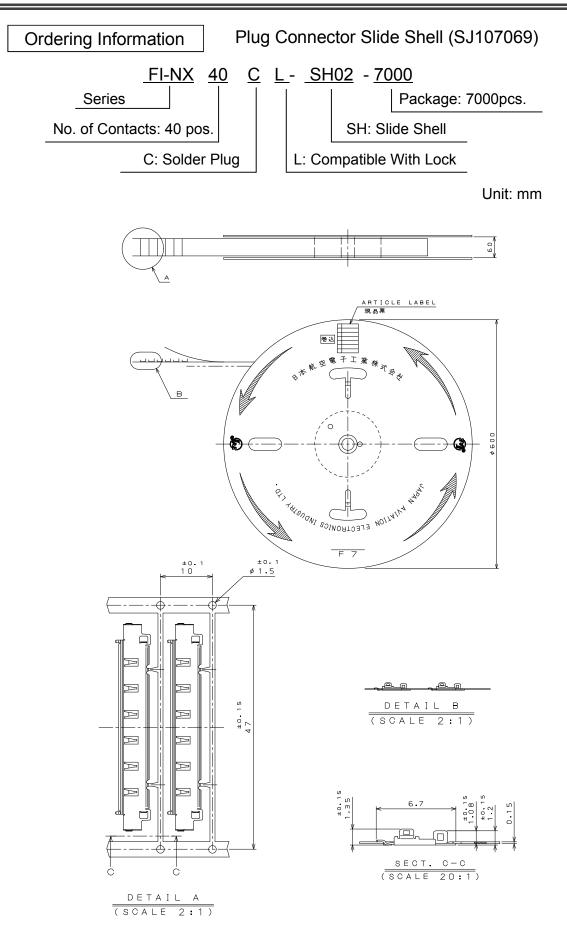


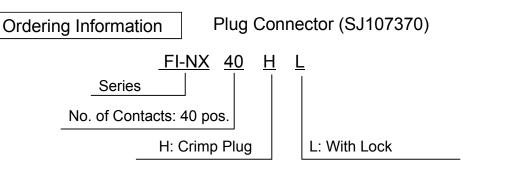




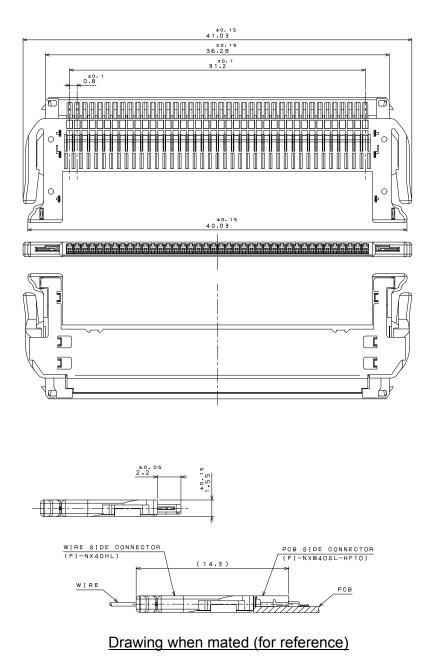


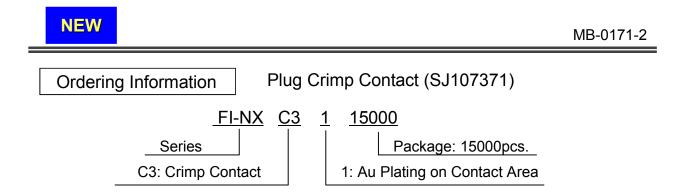






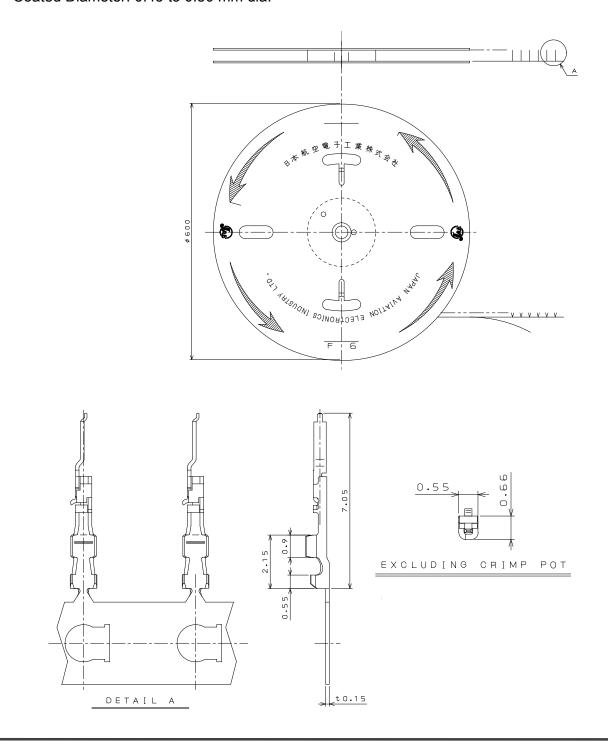






Applicable Wire: 30 to 36 AWG, twisted pair Coated Diameter: 0.45 to 0.50 mm dia.

Unit: mm



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Related Information

-Specifications(JACS): JACS-10393

-Specifications(JACS) Crimp: JACS-10393-2

-Handling Instructions(JAHL): JAHL-10393

-Handling Instructions(JAHL) Crimp: JAHL-10393-2 NEW

Japan Aviation Electronics Industry, Limited

Product Marketing Division Aobadai Building, 3-1-19, Aobadai, Meguro-ku, Tokyo 153-8539 Phone: +81-3-3780-2787 FAX: +81-3-3780-2946 **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.

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