

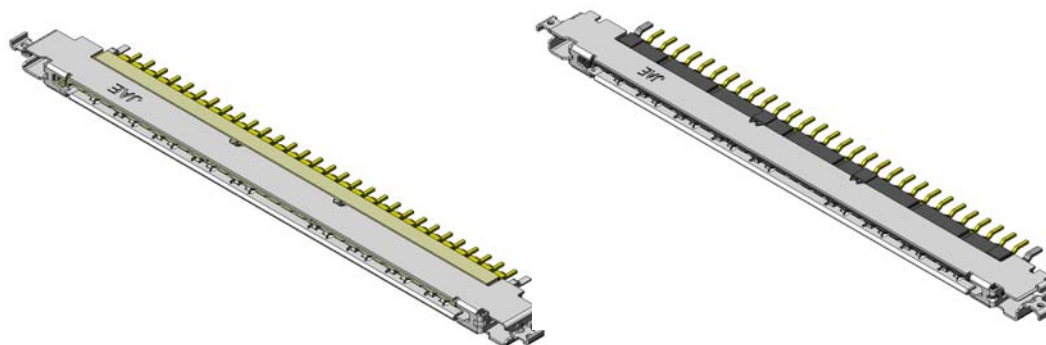
NEW



Board to Cable Connector for
High speed Differential Transmission
FI-XP Series (Robust Version of FI-X Series)

CONNECTOR
MB-0170-1
April 2007

RoHS Compliant



JAE has additionally developed FI-XP series (FI-X robust version, board side limited), suitable for more compact and lightweight notebook PCs by improving the intensity of FI-X series, which is a SPWG and VESA standard LCD interface connector for notebook PCs.

Features

- SPWG and VESA standard connector, compatible to LVDS and Display port transmission.
- Compared to existing FI-X series the intensity is mechanically improved by changing the shape of mold and shell, to endure more rough handling such as pulling and lifting of cable (lifting endurance 150% improved compared to our existing product)
- Mating is possible with existing FI-X harness side (compatible with lock)
- Board foot pattern in common with existing FI-X
- Low-profile, connector height: 1.55mm in common with existing FI-X
Hold-down height :1.0mm or 1.1mm (reverse product), also in common with FI-X
- Solder diffusion countermeasure with Ni barrier layer
- Pb-free product

General Specifications

- | | |
|--|---|
| ■No. of contacts : 30 pos. | ■Rated current: AC, DC each 1A per pos. |
| ■Contact resistance: 40m ohm max. | ■Rated voltage: AC, DC each 200V per pos. |
| ■Dielectric withstanding voltage :
AC 500Vr. m.s per minute | ■Insulation resistance: 100M ohm min. |
| ■Operating temperature:
-40 Deg. C to +85 Deg. C | ■Contact pitch: 1mm |

Materials and Finishes

Board side connector: FI-XPB30S*L-HF**

Components	Materials/ Finishes
Contact	Copper alloy / Contact area: Au plating Terminal area: Sn plating
Ground Plate	Copper alloy/ Sn plating
Insulator	Heat resistant plastic/ No
Shell	Stainless steel/ Sn plating

Ordering Information

Board side connector Embossed (SJ106929)

FI-XPB 30 SL - HF10 - R3000

R: Emboss reel: 3000pcs.

Unit: mm

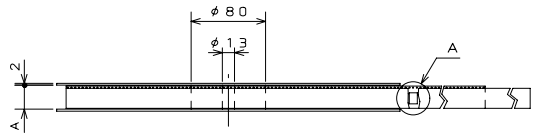
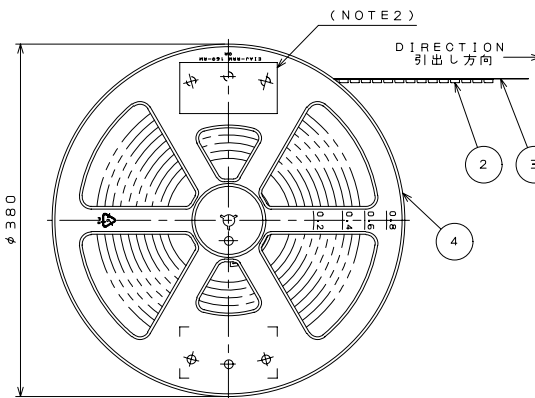


TABLE 1

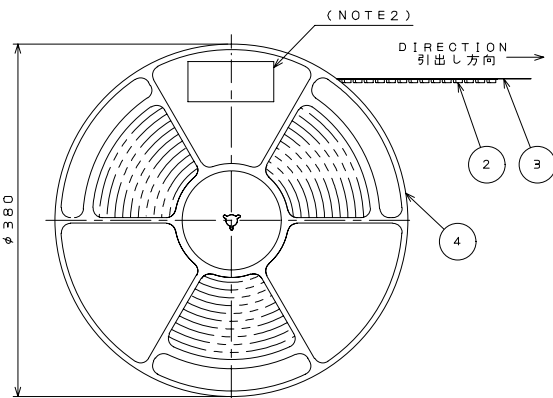
NO. OF CONTACT	A	B	C	D	E
30	58	56	26.2	52.4	38.8



MADE IN JAPAN
日本製

	日本航空電子工業株式会社 MADE IN JAPAN
品名	FI-XPB**SL-HF10-R3000
収納数	3000 個入 製造年月B (CO.+NO.)
備考	TB**12

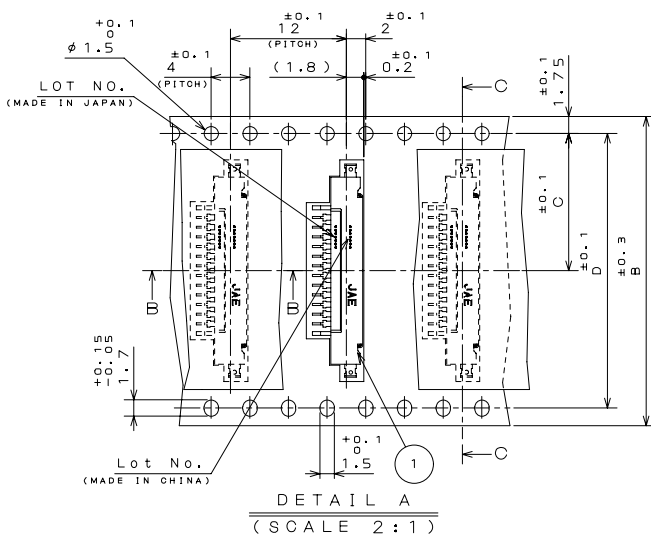
MADE IN JAPAN
日本製



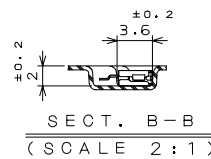
MADE IN CHINA
中国製

	航空電子(無錫)有限公司 MADE IN CHINA
品名	FI-XPB**SL-HF10-R3000
収納数	3000 個入 製造年月B (Lot No.)
備考	TB**12

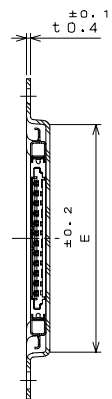
MADE IN CHINA
中国製



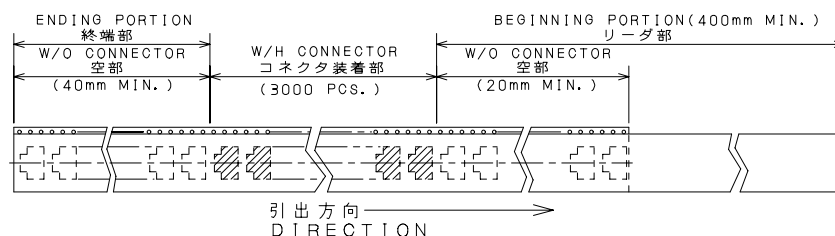
DETAIL A
(SCALE 2:1)



SECT. B-B
(SCALE 2:1)

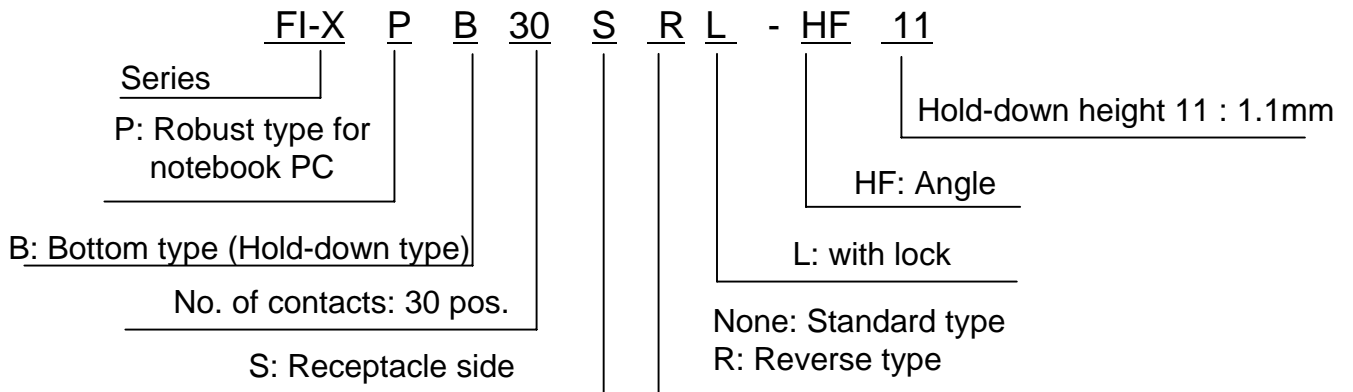


SECT. C-C
(SCALE 2:1)

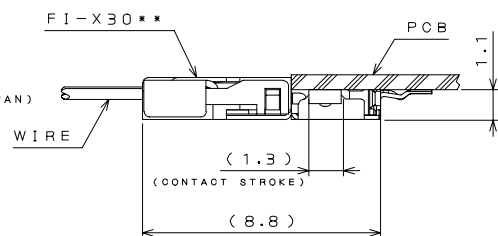
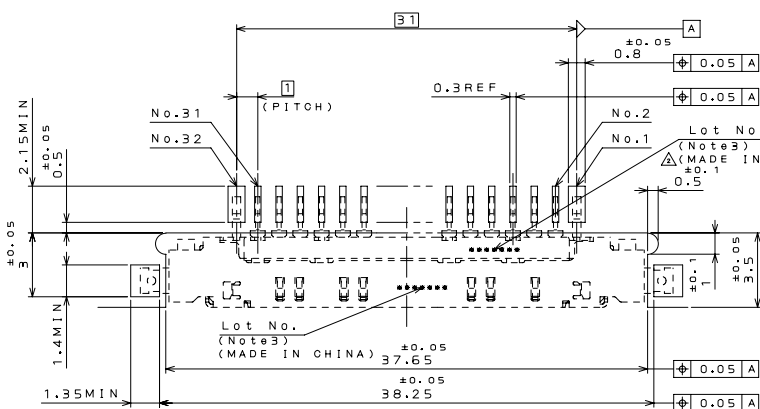
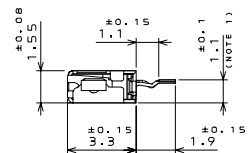
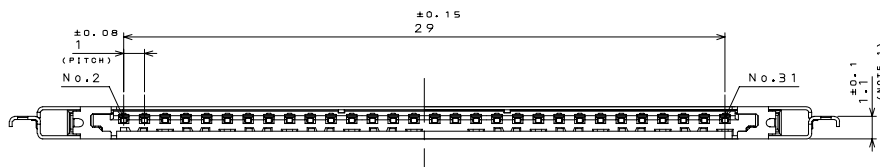
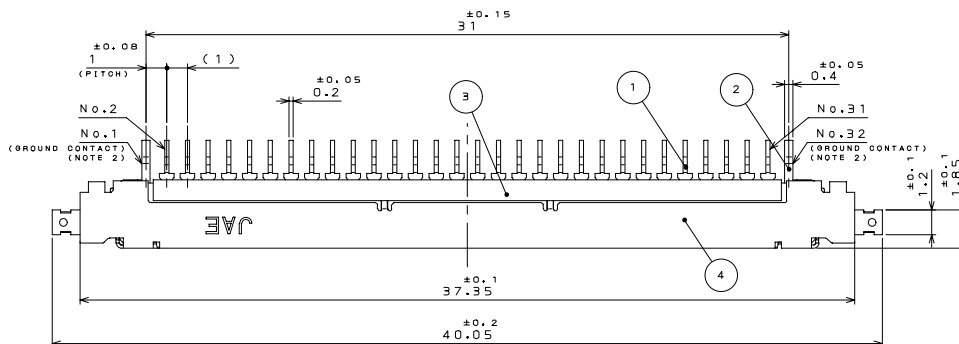


Ordering Information

Board side connector (SJ107143)



Unit: mm



Drawing when mated (for reference)

Recommended dimension of board

Ordering Information

Board side connector Embossed (SJ107144)

FI-XPB 30 SRL - HF11 - R3000

R: Emboss reel: 3000pcs.

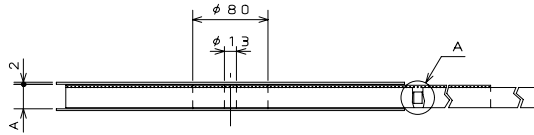
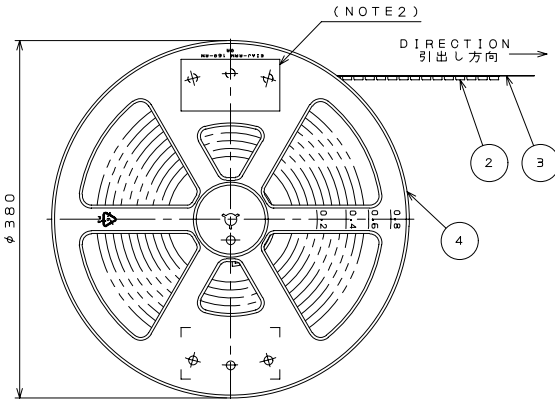


TABLE 1

Unit: mm

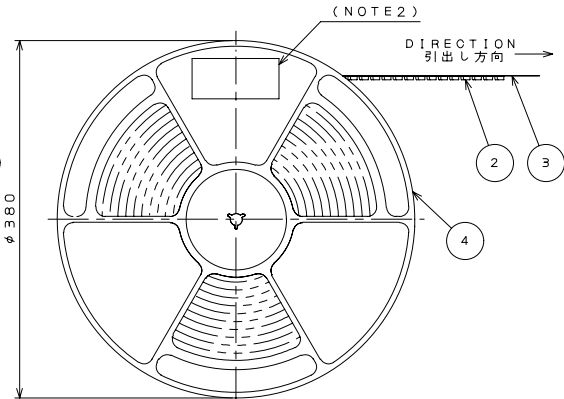
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日本製

日本航空電子工業株式会社 MADE IN JAPAN	
品名	FI-XPB**SRL-HF11-R3000
収納数	3000 個入 製造年月日 (Lot No.)
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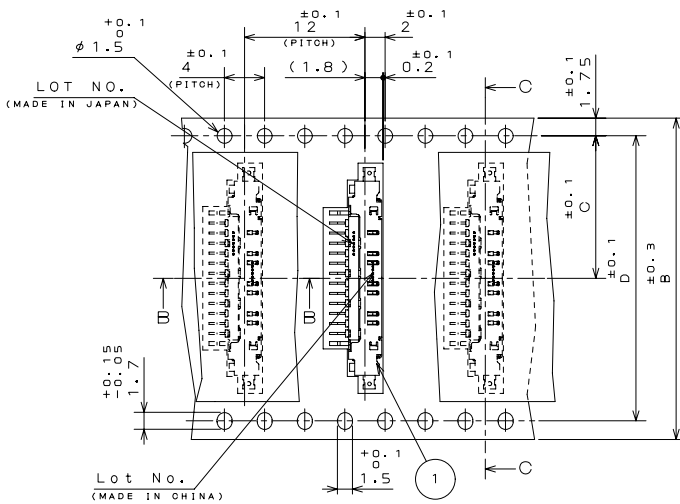
MADE IN JAPAN
日本製



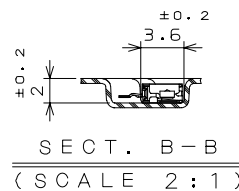
MADE IN CHINA
中国製

航空電子(無錫)有限公司 MADE IN CHINA	
品名	FI-XPB**SRL-HF11-R3000
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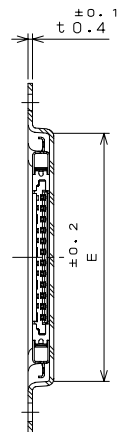
MADE IN CHINA
中国製



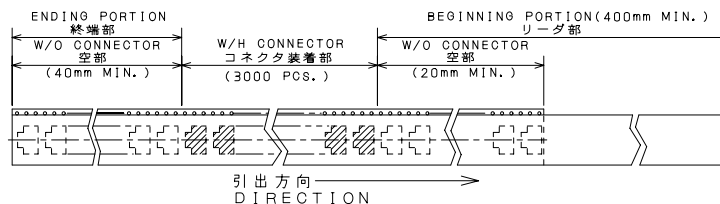
DETAIL A
(SCALE 2:1)



SECT. B-B
(SCALE 2:1)



SECT. C-C
(SCALE 2:1)



Related Information

-Specifications(JACS): JACS-10388

-Handling Instructions(JAHL): JAHL-10388

-Caution-

Please contact our sales window if Electrical
Appliance and Material Safety Law
on-specification products are desired.

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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.