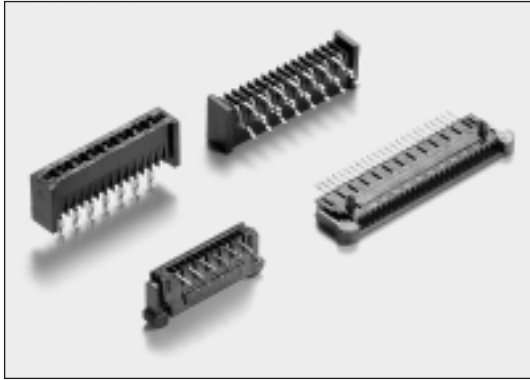




# Flat Conductor Cable Connectors

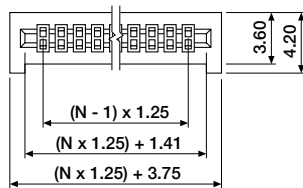
## Spacing 1.25 and 1.00mm LIF/ZIF



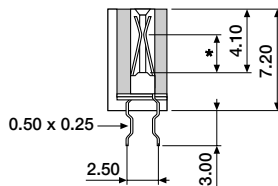
An extensive range of LIF and ZIF connectors for flat flexible cables with through board or surface mount PCB application. LIF models are equipped with two different contact lengths to reduce insertion force.

|                |                                                        |
|----------------|--------------------------------------------------------|
| Material       | : See Ordering Information                             |
| Contacts       | : Phosphor Bronze                                      |
| Plating        | : Tin over Nickel                                      |
| FFC Thickness  | : $0.30 \pm 0.05$ (including support tape)             |
| FFC Tail Width | : $(N \times 1.25) + 1.25$ or $(N \times 1.00) + 1.00$ |
| Electrical     | : See Chapter 15                                       |

### ■ Single row, straight



PCB Hole Size =  $\varnothing 0.80\text{mm}$



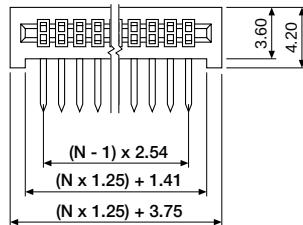
\*even positions : 2.50mm  
odd positions : 2.00mm

#### ORDERING INFORMATION

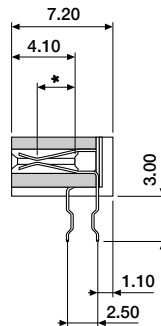
**FEL-XXDS-0200** LIF dual sided contact, A = 4.00mm  
available circuit sizes:  
04 to 30

Material : Glass-filled PBT, UL 94 V-0  
Colour : Black  
Packaging : Tray/Tube

### ■ 1.25mm, through board, right-angle



PCB Hole Size =  $\varnothing 0.80\text{mm}$



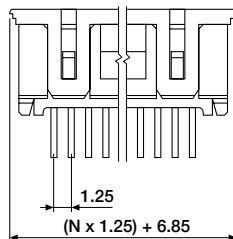
\*even positions : 2.50mm  
odd positions : 2.00mm

#### ORDERING INFORMATION

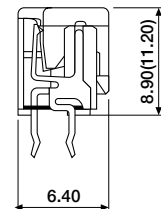
**FEL-XXDS-1200** LIF dual sided contact, A = 4.00mm  
available circuit sizes:  
04 to 30

Material : Glass-filled PBT, UL 94 V-0  
Colour : Black  
Packaging : Tray/Tube

### ■ 1.25mm, through board, straight



Dimensions between () is in open position  
PCB hole size =  $\varnothing 0.80\text{mm}$



#### ORDERING INFORMATION

**FEZ-XXDS-0100** ZIF single sided contact, A = 5.00mm  
available circuit sizes:  
08 to 40

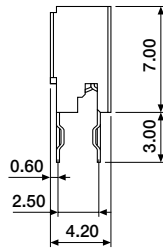
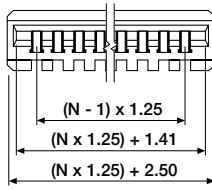
Material : Glass-filled PBT, UL 94 V-0  
Colour : Beige  
Packaging : Tray



# Flat Conductor Cable Connectors

## Spacing 1.25 and 1.00mm LIF/ZIF

### ■ 1.25mm, through board, straight



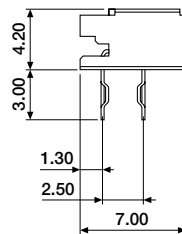
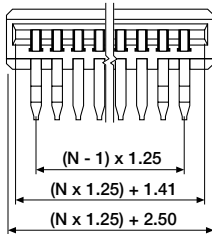
High pin count models (30 to 40) are slightly different and have dual sided contacts.  
PCB Hole Size = Ø0.80mm

#### ORDERING INFORMATION

**FEL-XXDS-0100** LIF single sided contact, A = 4.00mm  
available circuit sizes:  
04 to 40

Material : Glass-filled PBT, UL 94 V-0  
Colour : Black  
Packaging : Tray

### ■ 1.25mm, through board, right-angle



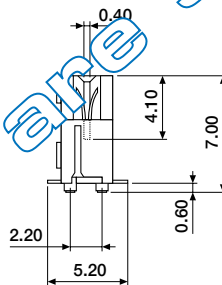
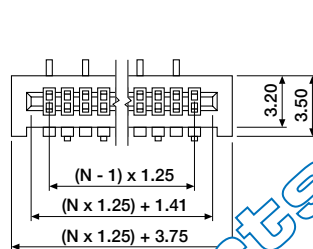
High pin count models (30 to 40) are slightly different and have dual sided contacts.  
PCB Hole Size = Ø0.80mm

#### ORDERING INFORMATION

**FEL-XXDS-1600** LIF bottom contact, A = 4.00mm  
**FEL-XXDS-1700** LIF top contact, A = 4.00mm  
available circuit sizes:  
04 to 40

Material : Glass-filled PBT, UL 94 V-0  
Colour : Black  
Packaging : Tray

### ■ 1.25mm, surface-mount, straight

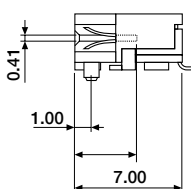
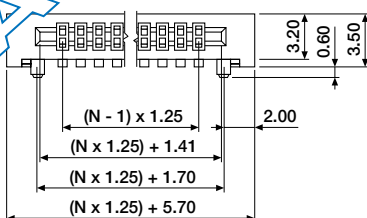


#### ORDERING INFORMATION

**FEL-XXSM-0210** LIF dual sided contact, A = 4.00mm  
available circuit sizes:  
02 to 20

Material : Glass-filled PBT, UL 94 V-0  
Colour : Brown  
Packaging : Tube

### ■ 1.25mm, surface-mount, right-angle



With L shaped metal support and positioning device (Boss).

#### ORDERING INFORMATION

**FEL-XXSM-1220** LIF dual sided contact, A = 4.00mm  
available circuit sizes:  
05 to 20

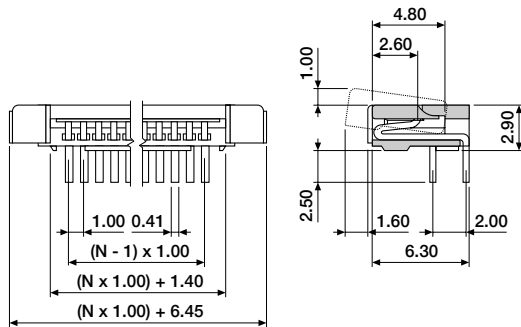
Material : Glass-filled PBT, UL 94 V-0  
Colour : Brown  
Packaging : Tube



# Flat Conductor Cable Connectors

## Spacing 1.25mm and 1.00mm LIF/ZIF

### ■ 1.00mm, through board, right-angle



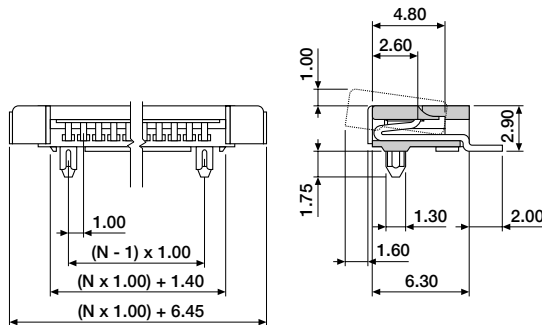
PCB Hole Size = Ø0.60mm

#### ORDERING INFORMATION

**FIZ-XXDS-1600** ZIF bottom contact, A = 2.50mm  
available circuit sizes:  
05 to 30

Material : Glass-filled PPS, UL 94 V-0  
Colour : Brown  
Packaging : Tray

### ■ 1.00mm, surface-mount, right-angle

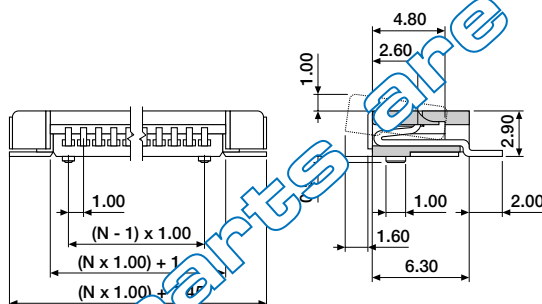


Alignment boss

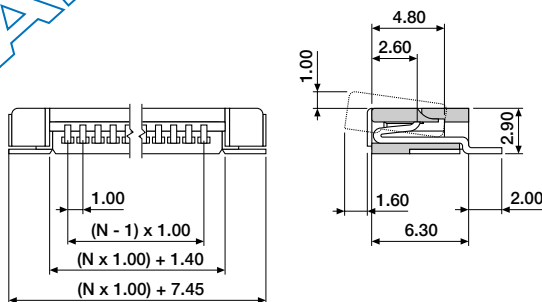
#### ORDERING INFORMATION

**FIZ-XXSM-XX** ZIF bottom contact, A = 2.50mm  
30 = solder tab and boss  
50 = alignment boss  
40 = solder tab  
available circuit sizes:  
05 to 30

Material : Glass-filled PPS, UL 94 V-0  
Colour : Brown  
Packaging : Tray/Tape and reeled



Solder tab and boss



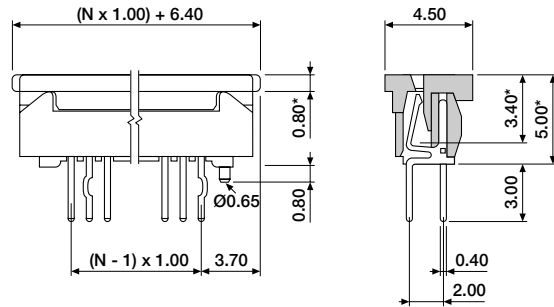
Solder tab



# Flat Conductor Cable Connectors

Spacing 1.25 and 1.00mm, LIF/ZIF

## ■ 1.00mm, through board, straight



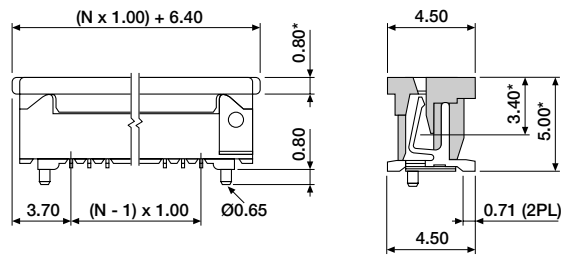
\* +0.20mm, 21 to 25 circuits  
+0.50mm, 26 to 30 circuits  
+1.50mm, in lifted condition  
PCB Hole Size =  $\varnothing 0.70\text{mm}$

### ORDERING INFORMATION

**FIZ-XXDS-01XX** ZIF single sided contact, A = 5.00mm  
00 = without holding device  
10 = with holding device  
available circuit sizes:  
05 to 30

Material : Glass-filled Nylon PPS  
Colour : Red (slider natural)  
Packaging : Tray

## ■ 1.00mm, surface-mount, straight



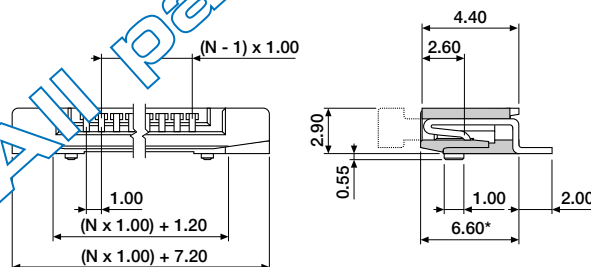
\* +0.20mm, 21 to 25 circuits  
+0.50mm, 26 to 30 circuits  
+1.50mm, in lifted condition

### ORDERING INFORMATION

**FIZ-XXSM-01XX** ZIF single sided contact, A = 5.00mm  
00 = without holding device  
10 = with holding device  
available circuit sizes:  
05 to 30

Material : Glass-filled Nylon PPS  
Colour : black  
Packaging : Tray/Tape and reeled

## ■ 1.00mm, surface-mount, right angle



\* +2.60mm in open position

### ORDERING INFORMATION

**FIZ-XXSM-19XX** ZIF top contact, A = 2.50mm  
20 = solder tab and boss  
40 = solder tab  
available circuit sizes:  
05 to 30

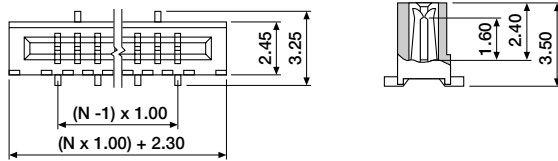
Material : Glass-filled Nylon PPS  
Colour : Brown (slider black)  
Packaging : Tray/Tape and reeled



# Flat Conductor Cable Connectors

Spacing 1.25 and 1.00mm, LIF/ZIF

## ■ 1.00mm, surface-mount, straight

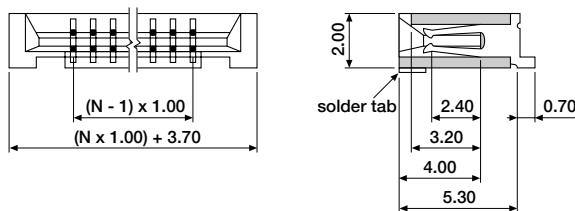


### ORDERING INFORMATION

**FIL-XXSM-0200** LIF double sided contact, A = 2.50mm  
available circuit sizes:  
04 to 20

Material : Glass-filled Nylon  
Colour : Natural  
Packaging : Tray

## ■ 1.00mm, surface-mount, right angle

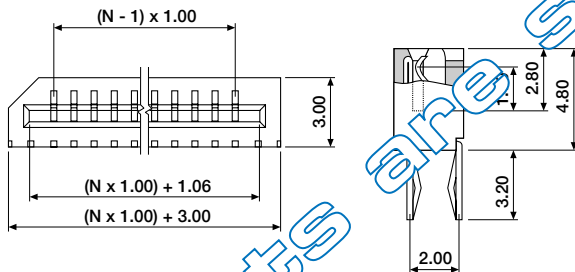


### ORDERING INFORMATION

**FIL-XXSM-1240** LIF double sided contact, A = 3.00mm  
available circuit sizes:  
04 to 20

Material : Nylon 46  
Colour : Natural  
Packaging : Tray/Tape and reeled

## ■ 1.00mm, through board, straight



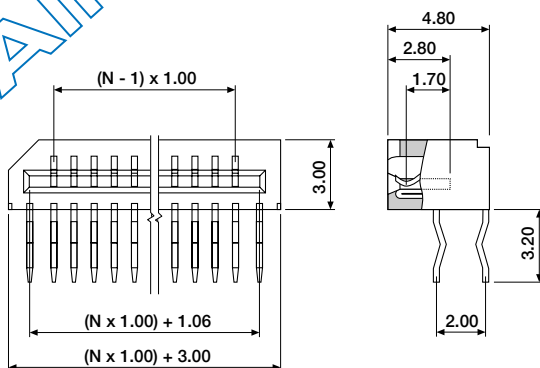
PCB Hole Size = Ø0.70mm

### ORDERING INFORMATION

**FIL-XXDS-0100** LIF single sided contact, A = 2.50mm  
available circuit sizes:  
03 to 22

Material : Nylon 66  
Colour : Natural  
Packaging : Tray

## ■ 1.00mm, through board, right angle



PCB Hole Size = Ø0.70mm

### ORDERING INFORMATION

**FIL-XXDS-1900** LIF single sided contact, A = 2.50mm  
available circuit sizes:  
03 to 22

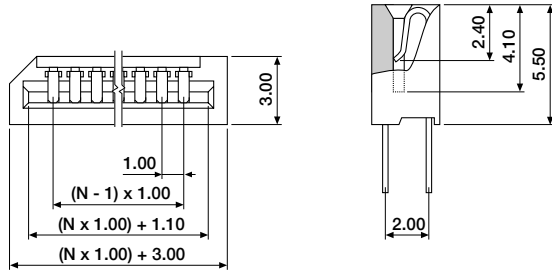
Material : Nylon 66  
Colour : Natural  
Packaging : Tray



# Flat Conductor Cable Connectors

Spacing 1.25 and 1.00mm, LIF/ZIF

## ■ 1.00mm, through board, straight



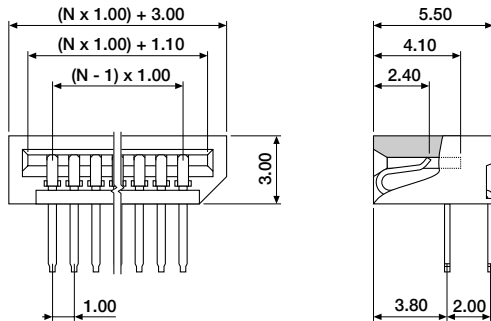
### ORDERING INFORMATION

**FIL-XXDS-2100** LIF single sided contact, A = 3.50mm

available circuit sizes:  
03 to 30

Material : Glass filled PPS or Nylon  
Colour : Not specified  
Packaging : Tray

## ■ 1.00mm, through board, right angle



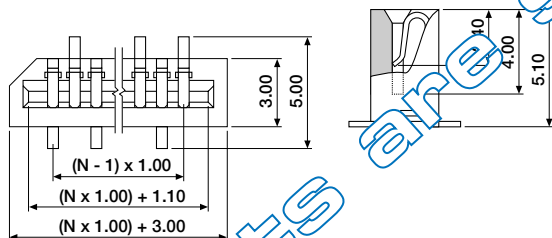
### ORDERING INFORMATION

**FIL-XXDS-3600** LIF bottom contact, A = 3.50mm

available circuit sizes:  
03 to 30

Material : Glass filled PPS or Nylon  
Colour : Not specified  
Packaging : Tray

## ■ 1.00mm, surface-mount, straight



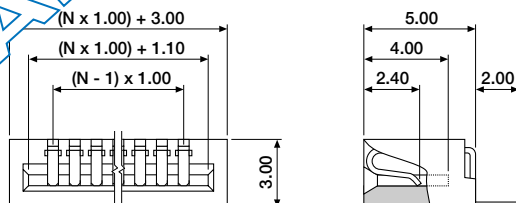
### ORDERING INFORMATION

**FIL-XXSM-2100** LIF single sided contact, A = 3.50mm

available circuit sizes:  
03 to 30

Material : Glass filled PPS or Nylon  
Colour : Not specified  
Packaging : Tray/Tape and reeled

## ■ 1.00mm, surface-mount, right angle



### ORDERING INFORMATION

**FIL-XXSM-3940** LIF top contact, A = 3.50mm

available circuit sizes:  
03 to 30

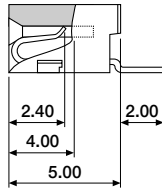
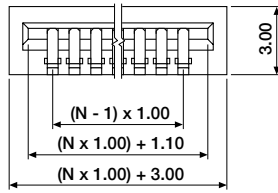
Material : Glass filled PPS or Nylon  
Colour : Not specified  
Packaging : Tray/Tape and reeled



# Flat Conductor Cable Connectors

Spacing 1.25 and 1.00mm, LIF/ZIF

## 1.00mm, surface-mount, right angle

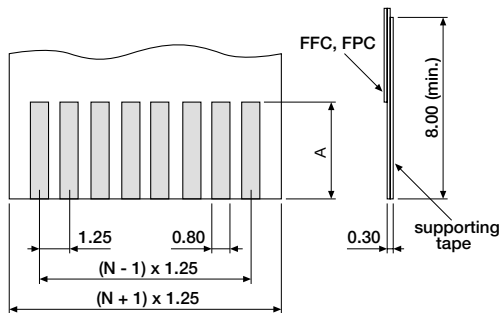


### ORDERING INFORMATION

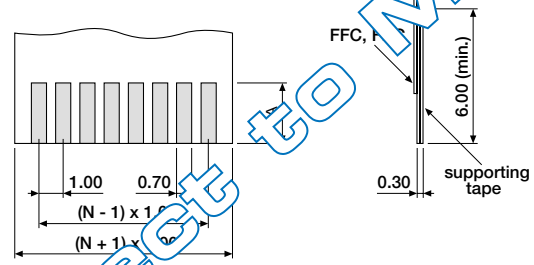
**FIL-XXSM-3640** LIF bottom contact  
available circuit sizes:  
03 to 30

Material : Glass filled PPS or Nylon  
Colour : Not specified  
Packaging : Tray/Tape and reeled

## Tail specifications

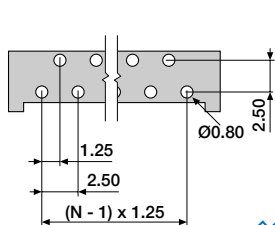


Spacing = 1.25mm  
For dimension A see ordering information.

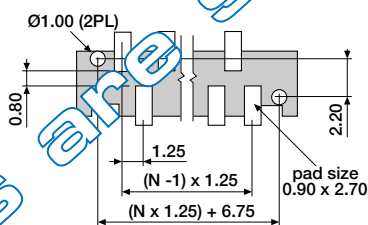


Spacing = 1.00mm  
For dimension A see ordering information.

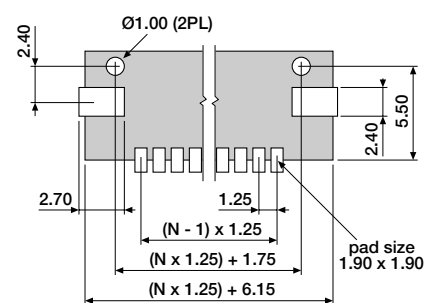
## 1.25mm, PCB layouts



FEL-XXDS-0100  
FEL-XXDS-0200  
FEL-XXDS-1200  
FEL-XXDS-1600  
FEL-XXDS-1900

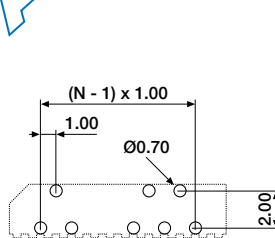


FEL-XXSM-0210

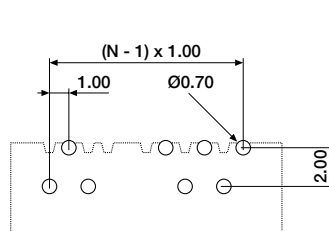


FEL-XXSM-1220

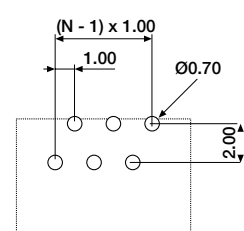
## 1.00mm, PCB layouts



FIL-XXDS-0100



FIL-XXDS-1900



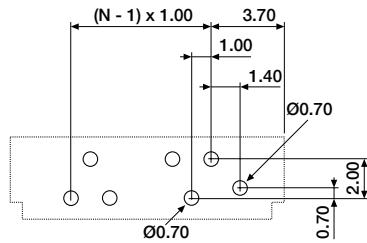
FIL-XXDS-2100  
FIL-XXDS-3600



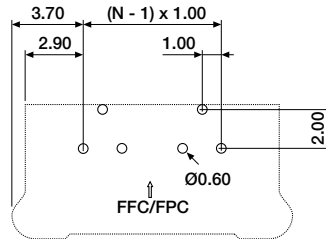
# Flat Conductor Cable Connectors

Spacing 1.25 and 1.00mm, LIF/ZIF

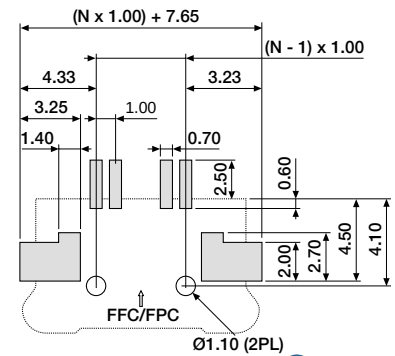
## ■ 1.00mm, PCB layouts



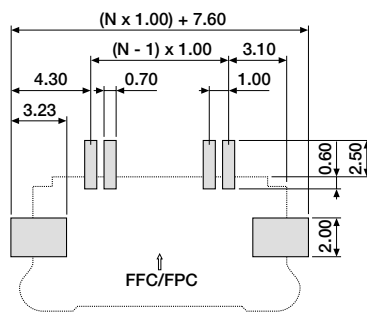
FIZ-XXDS-0100  
FIZ-XXDS-0110



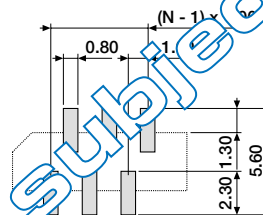
FIZ-XXDS-1600



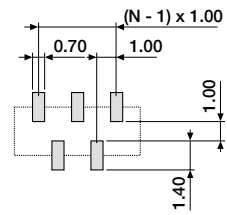
FIZ-XXSM-1630  
FIZ-XXSM-1640  
FIZ-XXSM-1650



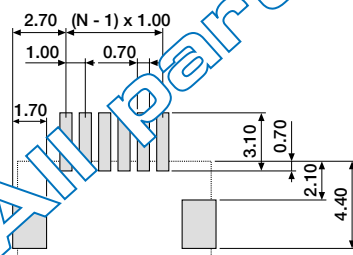
FIZ-XXSM-1920  
FIZ-XXSM-1940



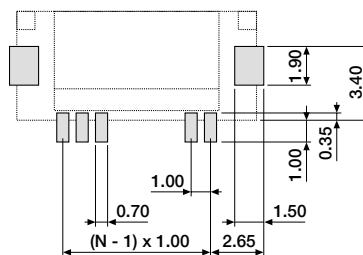
FIL-XXSM-2100



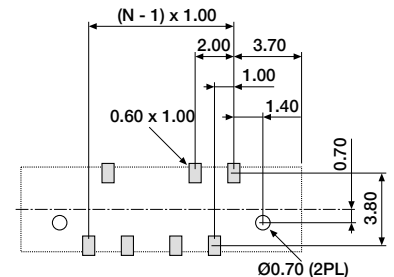
FIL-XXSM-0200



FIL-XXSM-3640  
FIL-XXSM-3940



FIL-XXSM-1240



FIZ-XXSM-0100  
FIZ-XXSM-0110