

Flat Cable Assemblies

FDC-Flat Display Connections AXOLINK™

FDC-Flat Display Connections are made from AXOJUMP™ Flat Flexible Cables and industry standard display connectors such as DF-9, DF-19, FI-SE or FI-X.

Advantages

Small dimensions: low profile, narrow width design,
Low cost, high reliability,
Excellent flexibility and flex-life.

General characteristics

0.50 mm, 1.00 mm and 1.25 mm pitches,
Standard FFC, ZIF interface
FDC with DF-9 cable assemblies are compliant with VESA (Video Electronics Standard Association) FPD1-1 (Flat Panel Display Interface),



31 WAY FDC WITH DF-9 CONNECTOR

Product availability

	Connector type			
	DF-9**	DF-19*	FI-SE*	FI-X*
FFC type				
0.50 (mm)	x			
1.00 (mm)		x		x
1.25 (mm)			x	
Number of conductors				
14		x		x
20		x	x	x
30		x		x
31	x			
41	x			

*Standard version is shielded for these connector types. Non shielded versions also available.

**Standard version is non-shielded (shielded version on request).

All versions can be supplied with custom folds.

Processing forms

■ M: Header
■ F: Receptacle

DF9

Non-shielded version (FDC), Shielded version on request.

AMF01 	BFM08 	AMM15 	CMZ22
AMM02 	BMM09 	AFF16 	CFZ23
AFF03 	BFF10 	BMF17 	CFZ24
AMF04 	AMM11 	BMM18 	DMZ25
BMM05 	AFF12 	BFF19 	DMZ26
BFF06 	AMF13 	BMF20 	DFZ27
BMF07 	AFM14 	CMZ21 	DFZ28

DF19

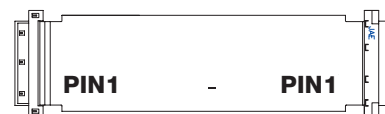
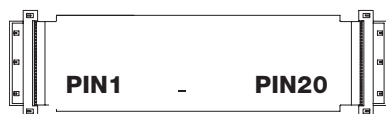
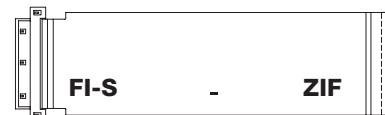
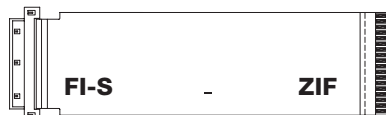
Non-shielded version (FDC), shielded version (FDB).

EMM29**EMM30****FMZ31****FMZ32**

FDC WITH DF-19 CONNECTOR

FI-SE

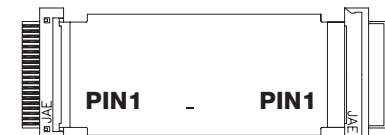
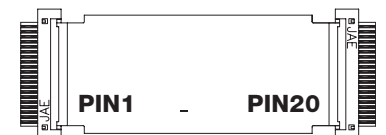
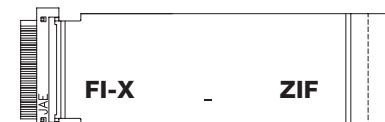
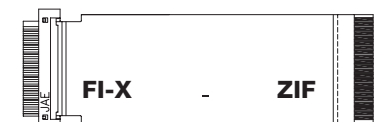
Non-shielded version (FDC), shielded version (FDB).

EMM33**EMM34****FMZ35****FMZ36**

41 WAY FDC WITH DF-9 CONNECTOR

FI-X

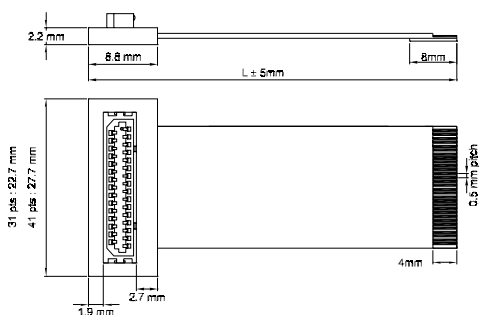
Non-shielded version (FDC), shielded version (FDB).

EMM37**EMM38****FMZ39****FMZ40**

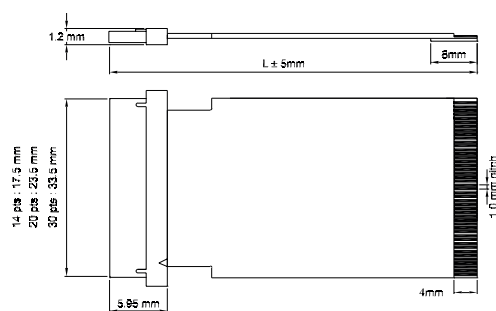
41 WAY FDC WITH DF-9 CONNECTOR

Dimensions

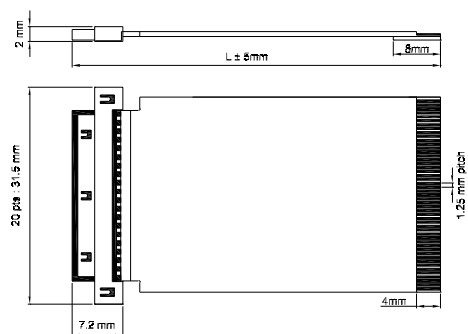
DF-9



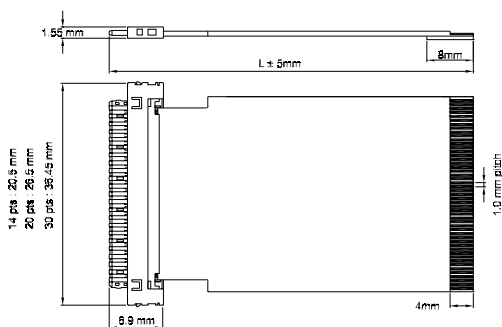
DF-19



FI-SE



FI-X



Where there is a ZIF connector at one end, the standard number of ways for the ZIF will be 2 more than the DF-19/FI-SE/FI-X connector at the other end (for DF-9 versions the number of ways is equal for both connectors).

If same number of ways (14, 20 or 30) is required for the ZIF on DF-19/FI-SE/FI-X versions, AXON' can punch the ZIF end to ensure compatibility.

Off-the-shelf products

AXON' keeps several standard lengths of Flat Flexible Cables in stock with 31 or 41 conductors for the different assembly types to assure a short delivery time. Immediately after receipt of your order, the termination process is started. Any connector configuration shown on the following pages is possible.

Standard AXOLINK™ assembly lengths

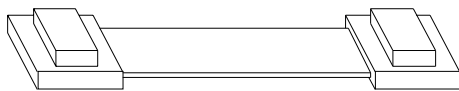
- 76 mm
- 102 mm
- 152 mm
- 203 mm
- 254 mm

Processing forms

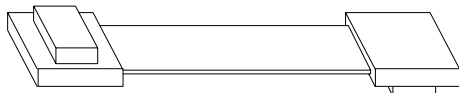
Connection schemes

Only for
DF-9

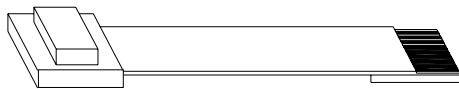
A



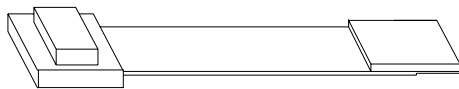
B



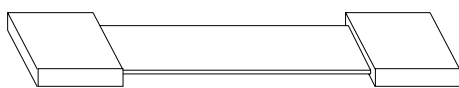
C



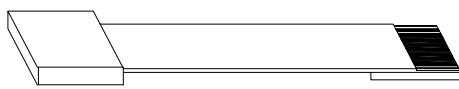
D



E



F



Only for
DF-19, FI-SE and FI-X

Quick prototyping for electrical validation

AXON' can provide small quantities of AXOLINK™ prototypes for electrical validation. Dependent on the availability of cable, AXON' may propose the exact length required or a slightly different length to provide the quickest response.

Special products

AXON' can also provide special AXOLINK™ products, in particular:

- special number of conductors
- special markings,
- any special length,
- moisture protection of the assembly,
- folded versions,
- ferrites on the assembly,
- shielding,
- shielding with grounding,
- gold plating: for DF-19/FI-SE and FI-X the gold plating available on the ZIF end.

For "ZIF" ending of DF-19 / FI-SE / FI-X versions, connector ways = number of conductors + 2.

Identification code

FDC 41 / 0100 A M M 02

Connection scheme

1 through 40 as defined
on the connection scheme

Connector type C2

M: MALE (Header) - DF-9 / DF-19 / FI-SE / FI-X
F: FEMALE (Receptacle) - DF-9 only
Z: ZIF

Connector type C1

M: MALE (Header) - DF-9 / DF-19 / FI-SE / FI-X
F: FEMALE (Receptacle) - DF-9 only

Connection type

A: connector-connector - same face
B: connector-connector - opposite face
C: DF-9 to ZIF - same face
D: DF-9 to ZIF - opposite face
E: connector - connector
(only for DF-19 / FI-SE / FI-X)
F: connector - ZIF (only for DF-19 / FI-SE / FI-X)

Length

End to end length including connector (mm)
(minimum length : 52 mm)

Number of conductors

31 or 41 for DF-9
14, 20 or 30 for DF-19
20 for FI-SE
14, 20 or 30 for FI-X

FDC = Non shielded version

(DF-9, DF-19, FI-SE, FI-X connectors)

FDB = Shielded version

(DF-9, DF-19, FI-SE, FI-X connectors)

Any special version on request