



Flat Display Connections (FDC) AXOLINK[®]

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axon'
cable & interconnect 

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) FPGI-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).

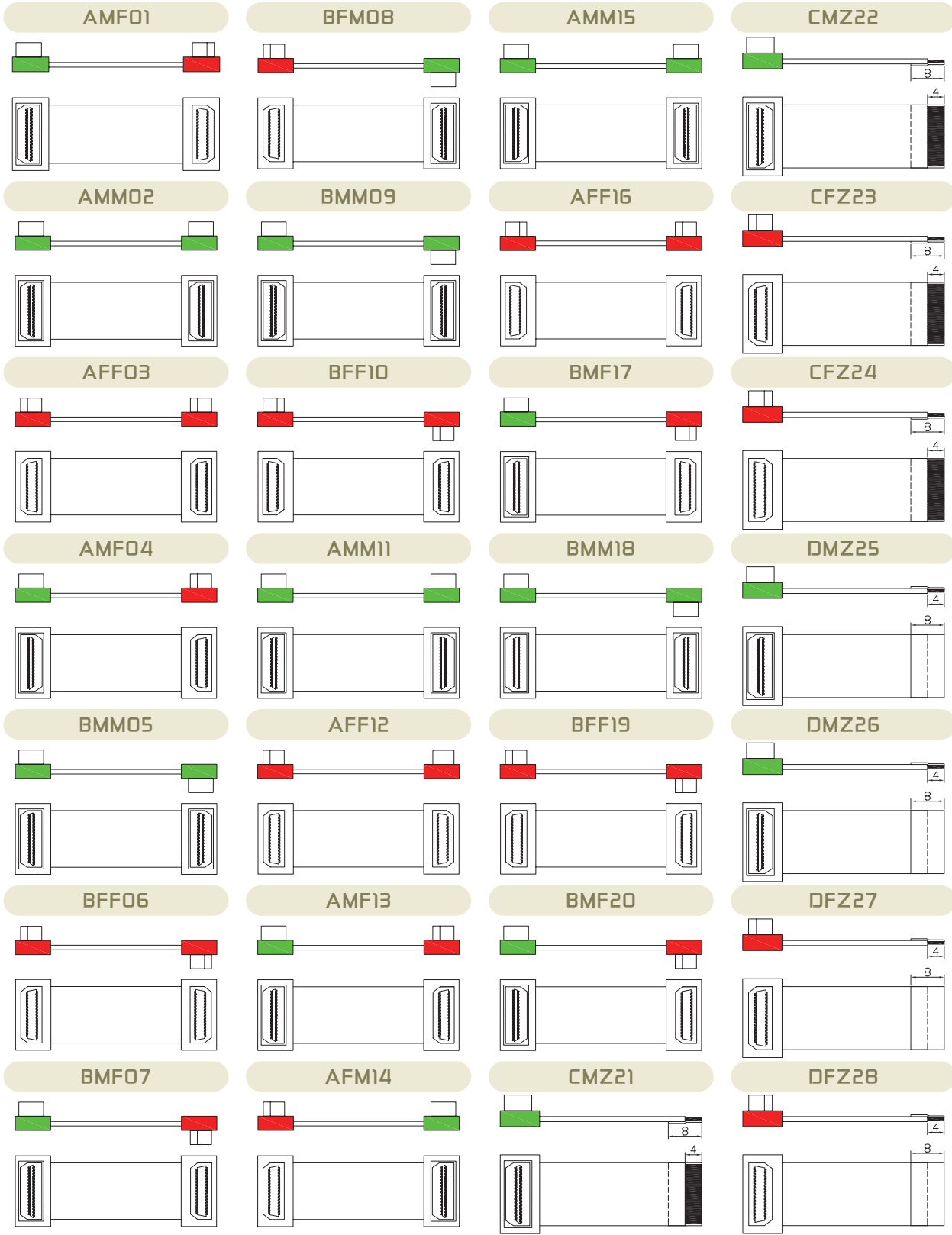
All versions can be supplied with custom folds.

Processing forms

■ M: Header
■ F: Receptacle

DF9

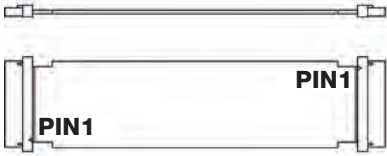
Non-shielded version (FDC), Shielded version on request.



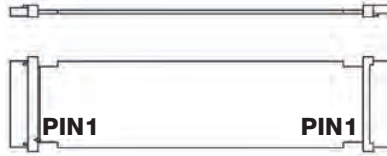
DF19

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

EMM29



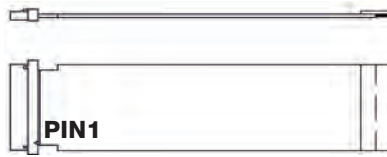
EMM30



FMZ31



FMZ32

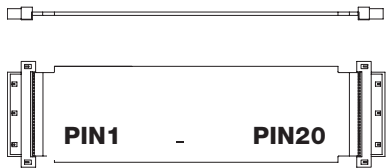


FDC WITH DF-19 CONNECTOR

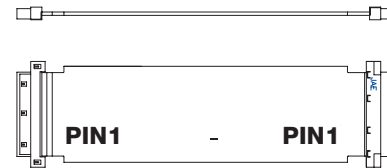
FI-SE

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

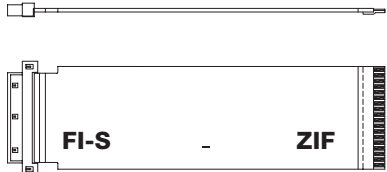
EMM33



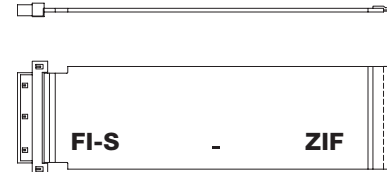
EMM34



FMZ35



FMZ36

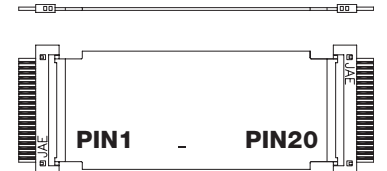


41 WAY FDC WITH DF-9 CONNECTOR

FI-X

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

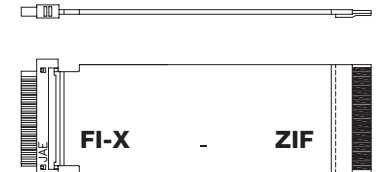
EMM37



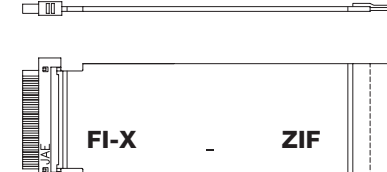
EMM38



FMZ39



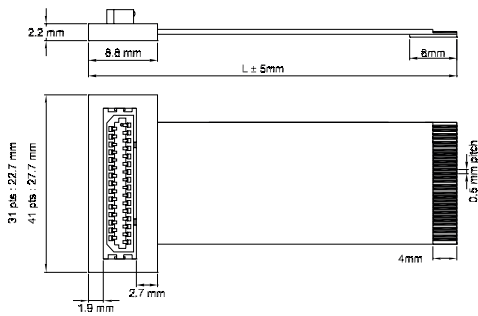
FMZ40



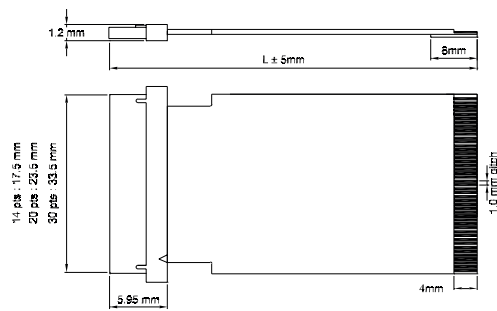
41 WAY FDC WITH DF-9 CONNECTOR

Dimensions

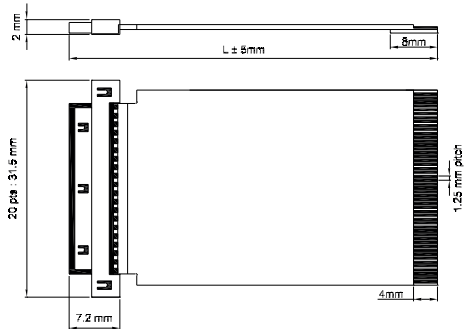
DF-9



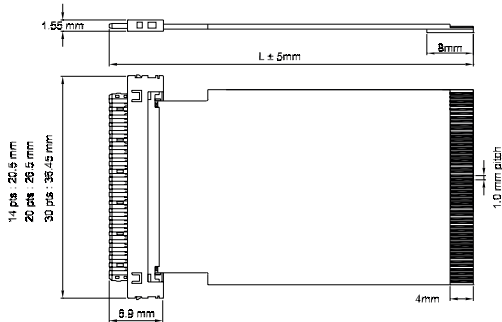
DF-19



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

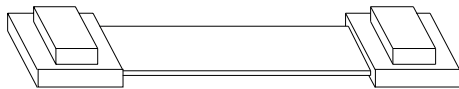
- 76 mm
- 102 mm
- 152 mm
- 203 mm
- 254 mm

Processing forms

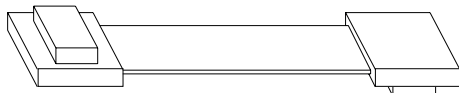
Connection schemes

Only for
DF-9

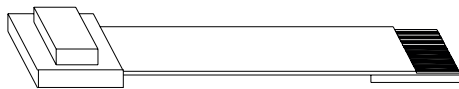
A



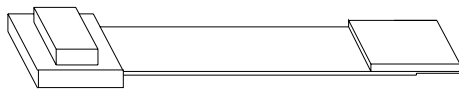
B



C

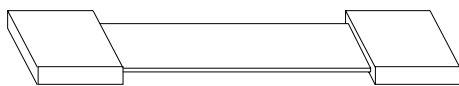


D

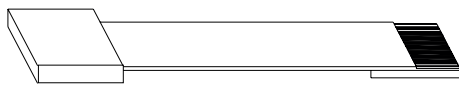


Only for
DF-19, FI-SE and FI-X

E



F



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

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.

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

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