

FLEX STACK

MICRO BOARD STACKER

(1.27 mm) .050" PITCH • FW SERIES

4
Gbps



FW

Board Mates:

CLP, FLE

Cable Mates:

FFSD

SPECIFICATIONS

Insulator Material:

Black Liquid Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Sn or Au over 50 μ" (1.27 μm) Ni

Operating Temp Range:

-55 °C to +125 °C

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max (02-30)

(0.15 mm) .006" max (31-50)*

*(.004" stencil solution may be available; contact ipg@samtec.com)

MATED HEIGHT

FW LEAD STYLE	CLP LEAD STYLE	MATED HEIGHT*
FW-XX-03-X-X-233-065	-02	(8.13 mm) .320"
FW-XX-03-X-X-303-065		(9.91 mm) .390"

*Processing conditions will affect mated height.

ALSO AVAILABLE

Contact Samtec

Smaller stack heights

Notes:

For added mechanical stability, Samtec recommends mechanical board spacers be used in applications with gold or selective gold plated connectors. Contact ipg@samtec.com for more information.

This Series is non-standard, non-returnable.

FW	NO. OF PINS PER ROW	LEAD STYLE	PLATING OPTION	D	STACKER HEIGHT	POST HEIGHT	OPTION
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02 thru 50

Specify
LEAD
STYLE
from
chart

-F
= Gold flash
on post,
Matte Tin
on tail

-L
= 10 μ"
(0.25 μm)
Gold
on post,
Matte Tin
on tail

-G
= 10 μ"
(0.25 μm)
Gold
on post,
Gold flash
on tail

-"XXX"
= Stacker
Height
(in inches)

Example:
-250
= (6.35 mm)
.250"

-"XXX"
= Post
Height
(in inches)

(1.65 mm)
.065"
minimum

Example:
-.065
= (1.65 mm)
.065"

-ES

= End Shroud
(-.075 post
height only.
Mate only
with CLP)
(5.46 mm) .215"
to (15.49 mm) .610"
stacker height only
9 pins/row min.

-EP

= End Shroud
with Guide Post
(-.075 post
height only.
Mate only
with CLP)
(5.46 mm) .215"
to (15.49 mm) .610"
stacker height only
9 pins/row min.

-A

= Alignment Pin
(3 positions min.)
(5.46 mm) .215" to
(15.75 mm) .620"
stacker height only
(SMT only)

-P

= Pick & Place Pad
(5 positions min.)
(SMT only)

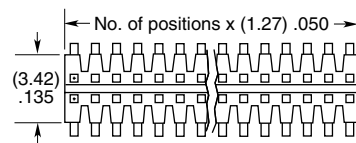
-TR

= Tape & Reel
(Max overall height
= Post+Stacker
Height+Pad+
Alignment Pin =
(17.78) .700"
(SMT only)

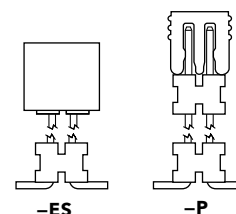
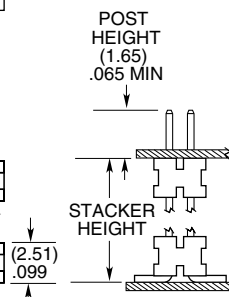
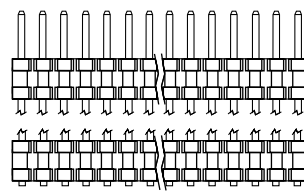
-FR

= Full Reel
Tape & Reel
(must order max.
quantity per reel;
contact Samtec
for quantity
breaks)
(SMT only)

LEAD STYLE	STACKER HEIGHT	STACKER + POST
-03	(5.46) to (8.51) .215 .335	(7.11) to (10.16) .280 .400
-05	(6.30) to (15.49) .248 .610	(10.29) to (17.15) .405 .675

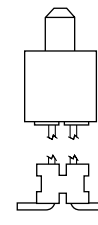


SURFACE MOUNT

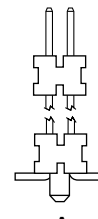


-ES

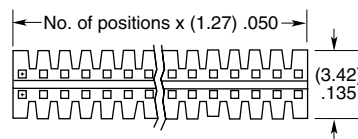
-P



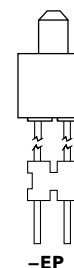
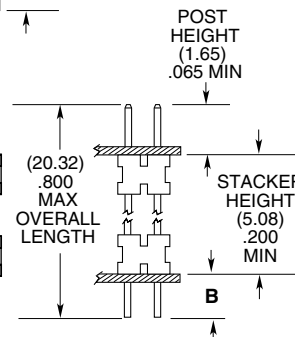
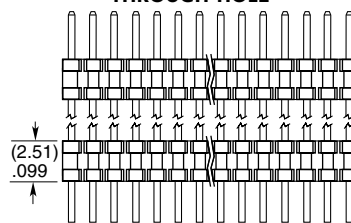
-EP



-A



THROUGH-HOLE



-EP

-ES

LEAD STYLE	TAIL (B)
-01	(1.14) .045
-02	(1.91) .075
-04	(2.29) .090

samtec.com?FW-SM or samtec.com?FW-TH

F-226 (Rev 09 DEC25)

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.