

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 μ m) Ni
Operating Temp Range:
-55 °C to +125 °C

PROCESSING

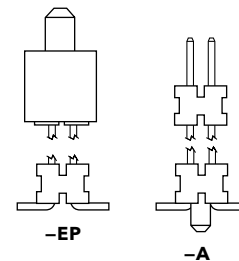
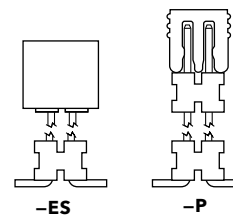
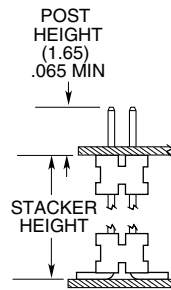
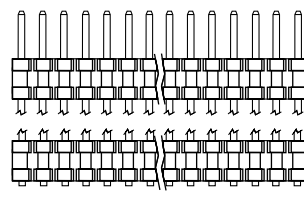
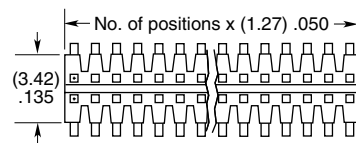
Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (02-30)
(0.15 mm) .006" max (31-50)*
*(.004" stencil solution
may be available; contact
ipg@samtec.com)

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.

SURFACE MOUNT



-A

-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)

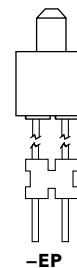
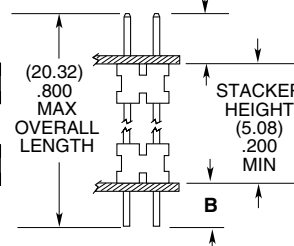
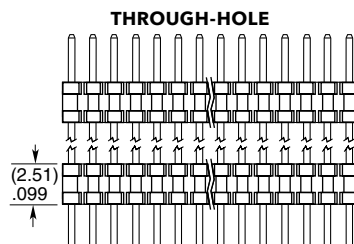
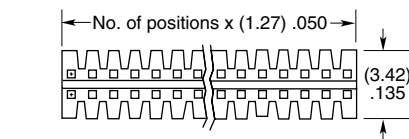
-FR
= Full Reel
Tape & Reel
(must order max.
quantity per reel;
contact Samtec
for quantity
breaks)
(SMT only)

ALSO AVAILABLE

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.



-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-224 (Rev 06JAN25)

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.