

# 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  $\mu$ " (1.27  $\mu$ m) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C

## PROCESSING

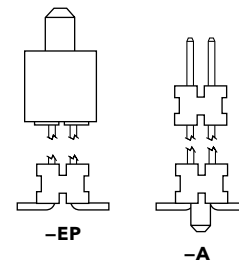
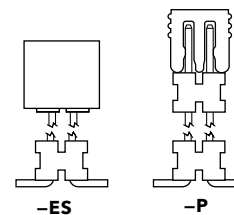
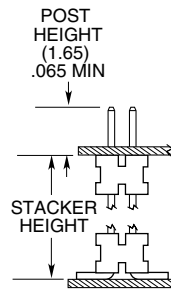
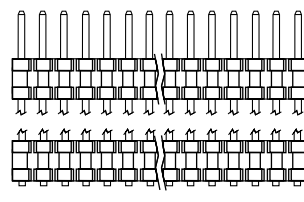
**Lead-Free Solderable:**  
Yes  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max (02-30)  
(0.15 mm) .006" max (31-50)\*  
\*(.004" stencil solution  
may be available; contact  
ipg@samtec.com)

## MATED HEIGHT

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

\*Processing conditions will affect mated height.

## SURFACE MOUNT



**-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)

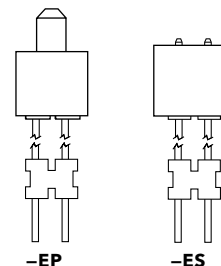
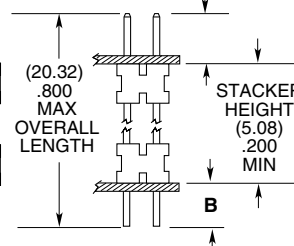
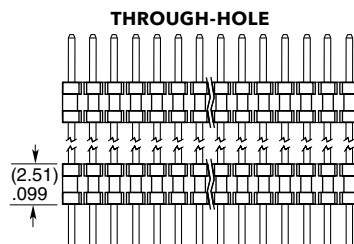
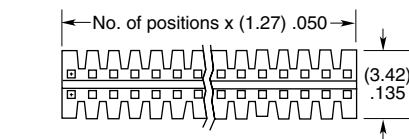
**-FR**  
= Full Reel  
Tape & Reel  
(must order max.  
quantity per reel;  
contact Samtec  
for quantity  
breaks)  
(SMT only)

## 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.



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

[samtec.com?FW-SM](http://samtec.com?FW-SM) or [samtec.com?FW-TH](http://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.