

# 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  $^{\circ}$ C to +125  $^{\circ}$ C

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

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

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

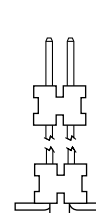
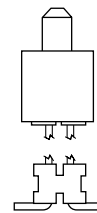
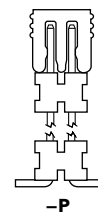
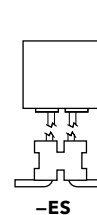
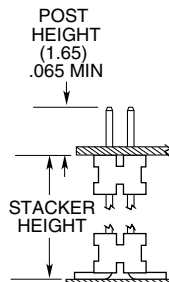
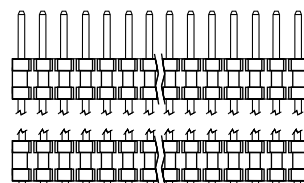
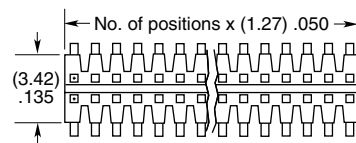
\*(.004" stencil solution may be available; contact ipg@samtec.com)

## 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)

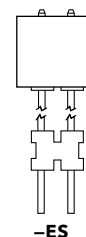
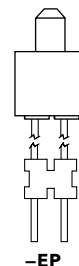
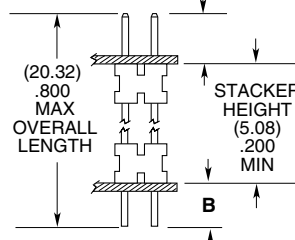
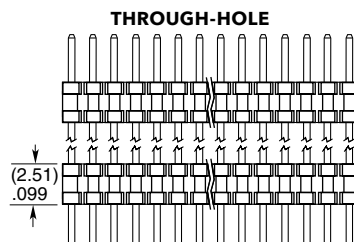
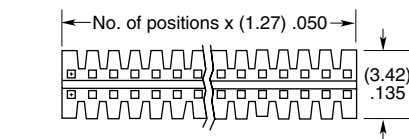
## ALSO AVAILABLE

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 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.