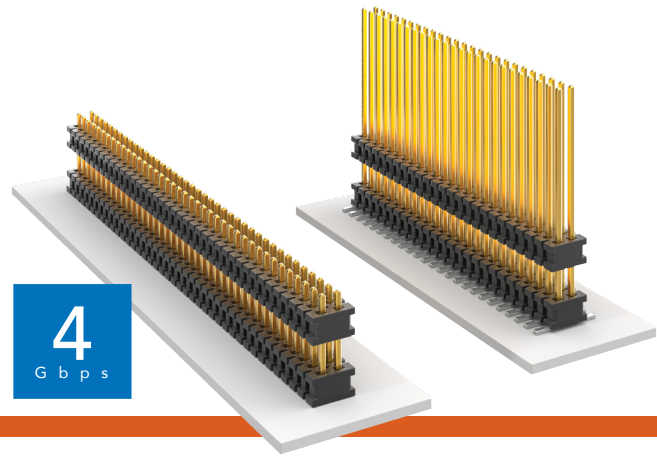


# FLEX STACK

# 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<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.

## 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 |
|----|---------------------|------------|----------------|---|----------------|-------------|--------|
|----|---------------------|------------|----------------|---|----------------|-------------|--------|

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)

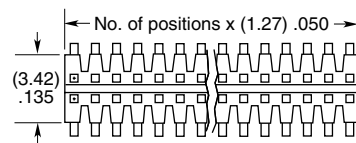
**-TR**

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

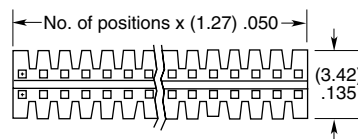
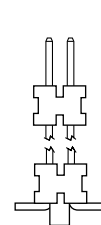
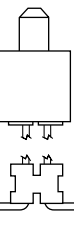
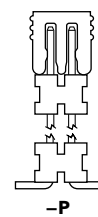
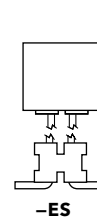
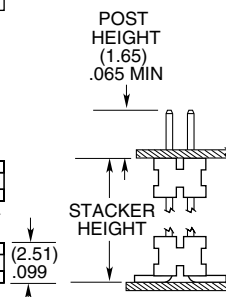
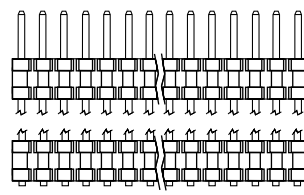
**-FR**

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

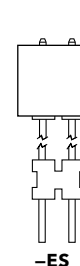
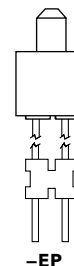
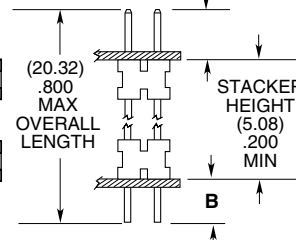
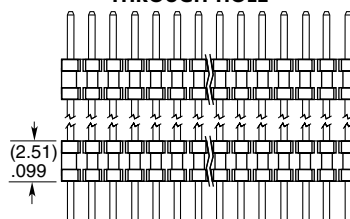
| LEAD<br>STYLE | STACKER<br>HEIGHT              | STACKER<br>+ POST               |
|---------------|--------------------------------|---------------------------------|
| -03           | (5.46) to (8.51)<br>.215 .335  | (7.11) to (10.16)<br>.280 .400  |
| -05           | (6.30) to (15.49)<br>.248 .610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



## SURFACE MOUNT



## THROUGH-HOLE



| 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-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.