

(1.27 mm) .050"

## SMT MICRO BOARD STACKER

### SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?FW-SM](http://www.samtec.com?FW-SM)

**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

**RoHS Compliant:**

Yes

### 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)

### RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

### ALSO AVAILABLE (MOQ Required)

- Smaller stack heights

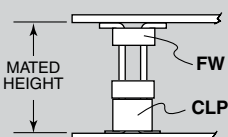
**Board Mates:**

CLP, FLE

**Cable Mates:**

FFSD

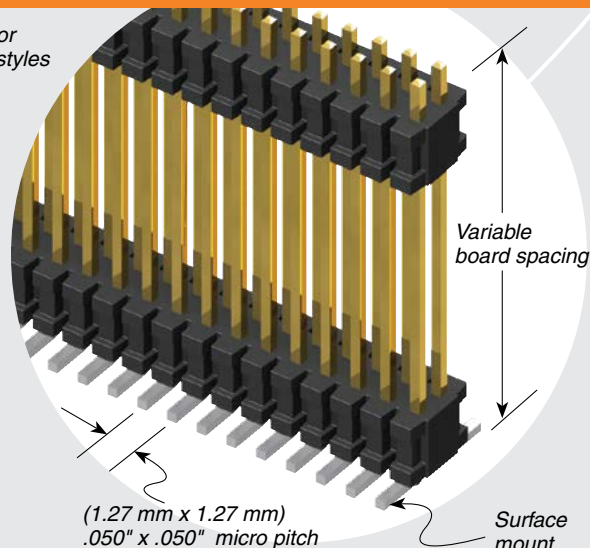
### APPLICATIONS



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

\*Processing conditions will affect mated height.

Low-profile or  
skyscraper styles



(1.27 mm x 1.27 mm)  
.050" x .050" micro pitch

FW	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	STACKER HEIGHT	POST HEIGHT	OPTION
	02 thru 50	Specify LEAD STYLE from chart	<b>-F</b> = Gold flash on post, Matte Tin on tail  <b>-L</b> = 10 $\mu$ " (0.25 $\mu$ m) Gold on post, Matte Tin on tail  <b>-G</b> = 10 $\mu$ " (0.25 $\mu$ m) Gold on post, Gold flash on tail		<b>-"XXX"</b> = Stacker Height (in inches)  Example: -250 = (6.35 mm) .250"	<b>-"XXX"</b> = Post Height (in inches)  (1.65 mm) .065" minimum  Example: -065 = (1.65 mm) .065"	<b>-ES</b> = 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.  <b>-EP</b> = 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.  <b>-A</b> = Alignment Pin (3 positions min.) (5.46 mm) .215" to (15.75 mm) .620" stacker height only  <b>-P</b> = Pick & Place Pad (5 positions min.)  <b>-TR</b> = Tape & Reel (Max overall height = Post+Stacker Height+Pad+Alignment Pin = .700 (17.78))

LEAD STYLE	STACKER HEIGHT	STACKER + POST
-03	(5.46) to (8.51) .215 to .335	(7.11) to (10.16) .280 to .400
-05	(8.64) to (15.49) .340 to .610	(10.29) to (17.15) .405 to .675

  
**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.

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.