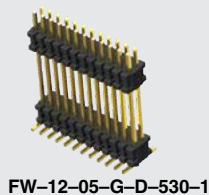
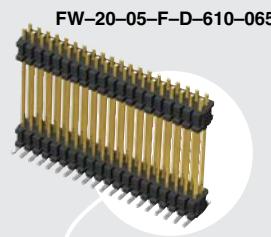


FLEX STACK

(1.27 mm) .050"



FW-12-05-G-D-530-101



FW-SM SERIES

SMT MICRO BOARD STACKER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/?FW-SM

Insulator Material:

Black Liquid Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Sn or Au over 50 μ " (1.27 μ m)

Operating Temp Range:

-55 $^{\circ}$ C to +125 $^{\circ}$ 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)*

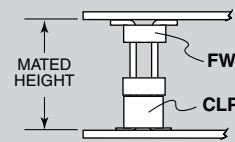
*(.004" stencil solution may be available; contact IPG@samtec.com)

Board Mates:
CLP, FLE

Cable Mates:
FFSD

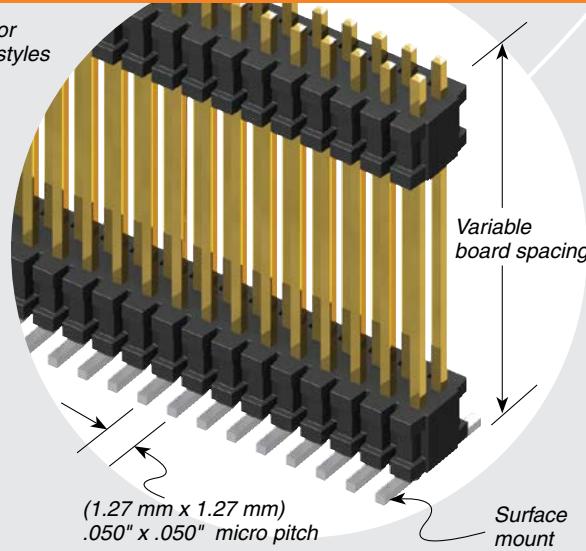
Low-profile or
skyscraper styles

APPLICATIONS



LEAD STYLE	MATED HEIGHT*
FW	(8.13) .320
CLP	-02 (9.91) .390

*Processing conditions will affect mated height.



RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

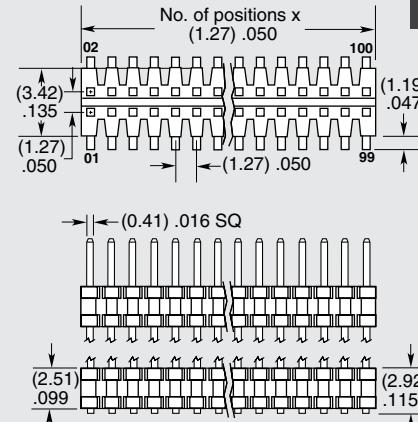


ALSO AVAILABLE (MOQ Required)

- Smaller stack heights

FW	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	STACKER HEIGHT	POST HEIGHT	OPTION
	02 thru 50	Specify LEAD STYLE from chart					

LEAD STYLE	STACKER HEIGHT	STACKER + POST
-03	(5.46) .215 to .335	(8.51) .280 to .400
-05	(8.64) .340 to .610	(15.49) .405 to .765



PLATING OPTION	D	STACKER HEIGHT	POST HEIGHT
-F		= Stacker Height (in inches)	
		= Gold flash on post, Matte Tin on tail	
-L			
		= 10 μ " (0.25 μ m) Gold on post, Matte Tin on tail	
-G			
		= 10 μ " (0.25 μ m) Gold on post, Gold flash on tail	

Example:
-250
= (6.35 mm)
.250"

POST HEIGHT	D	OPTION
-"XXX"		
-"XXX"		

= Post Height (in inches)
Example:
-065
= (1.65 mm)
.065"

OPTION
-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
-P
= Pick & Place Pad (5 positions min.)
-TR
= Tape & Reel (Max overall height = Post+Stacker Height+Pad+Alignment Pin = .700 (17.78))

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

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.