



(1,27 mm) .050"

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

FW-20-05-F-D-610-065

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
50µ" (1,27 µm) 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)

RECOGNITIONS

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



FILE NO. E111594 FILE NO. 090871_0_000

ALSO AVAILABLE (MOQ Required)

- Smaller stack heights
- Contact Samtec.

TAPE & REEL AVAILABILITY

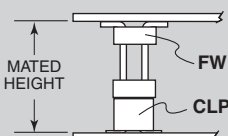
No tooling charges.
Minimum order is the lesser of a full reel quantity or 125 pieces.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.
Call Samtec for specifications and ordering information.

Note: 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.

Note: This Series is non-standard, non-returnable.

Mates with:
CLP, FFSD, FLE

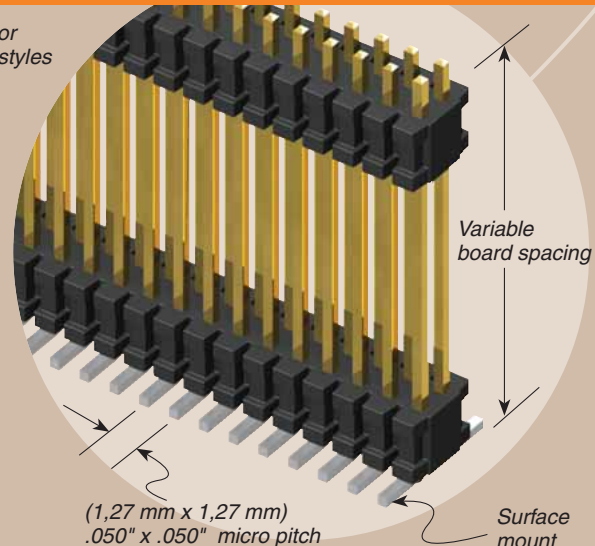
APPLICATIONS



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	-F = Gold flash on post, Matte Tin on tail -L = 10µ" (0,25 µm) Gold on post, Matte Tin on tail -G = 10µ" (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 -P = Pick & Place Pad (5 positions min.) -TR = Tape & Reel (Post+Stacker Height+ Pad+Alignment Pin = .700 (17,78))

LEAD STYLE	STACKER HEIGHT	STACKER + POST
-03	(5,46) .215 to (8,51) .335	(7,11) .280 to (10,16) .400
-05	(8,64) .340 to (15,49) .610	(10,29) .405 to (17,15) .675

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

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