



(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



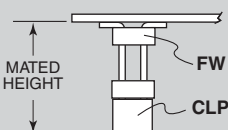
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Mates with:
CLP, FFSD, FLE

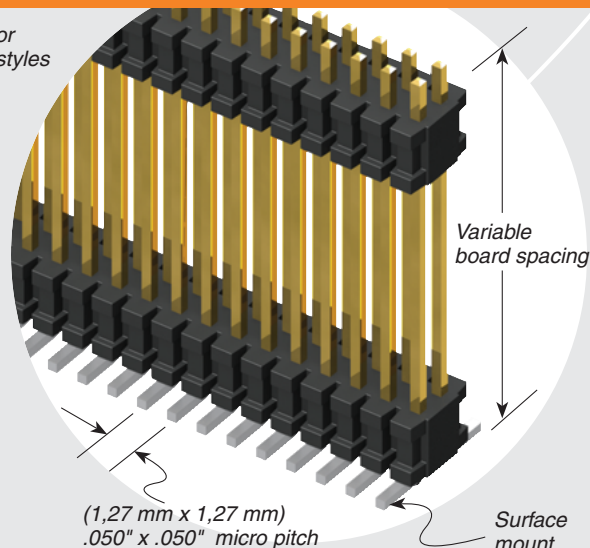
APPLICATIONS



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

Surface mount

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.

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 (Max overall height = Post+Stacker Height+Pad+Alignment Pin = .700 (17,78))

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

Dimensions shown in drawings include: (3,42) .135, (1,27) .050, (1,19) .047, (0,41) .016 SQ, (2,51) .099, (2,92) .115, (4,27) .168, (4,76) .188, (3,05) .120, (1,91) .075 DIA, (0,86) .034, (0,89) .035 DIA, (4,06) .160, (0,76) .030, (3,45) .136, (5,08) .200.