

FLEX STACK

(1.27 mm) .050"

FW-10-04-L-D-440-150

FW-40-02-F-D-425-075

FW-20-02-F-D-200-140

FW-TH SERIES

THROUGH-HOLE MICRO BOARD STACKER

SPECIFICATIONS

For complete specifications see www.samtec.com?FW-TH

Insulator Material:

Black Liquid Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Sn or Au over 50 μ " (1.27 μ m) Ni

Operating Temp Range:

-55 °C to +125 °C

RoHS Compliant:

Yes

PROCESSING

Lead-Free Solderable:

Yes

RECOGNITIONS

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



FILE NO. E111594

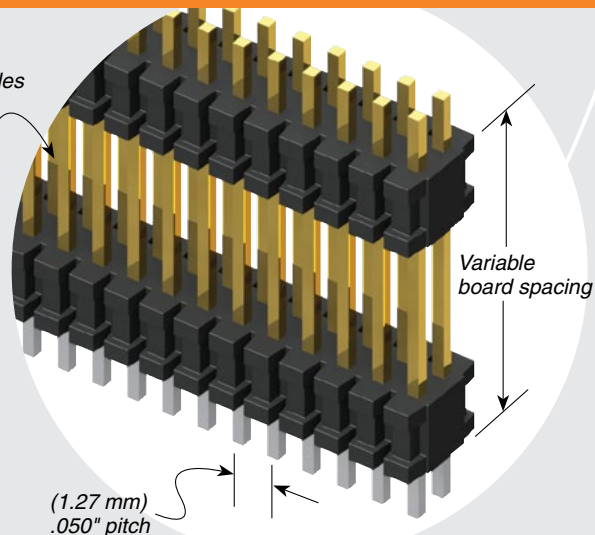
Board Mates:

CLP, FLE

Cable Mates:

FFSD

Low-profile or
skyscraper styles



HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

4

G b p s

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	-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	<table><thead><tr><th>LEAD STYLE</th><th>TAIL (B)</th></tr></thead><tbody><tr><td>-01</td><td>(1.14) .045</td></tr><tr><td>-02</td><td>(1.91) .075</td></tr><tr><td>-04</td><td>(2.29) .090</td></tr></tbody></table>	LEAD STYLE	TAIL (B)	-01	(1.14) .045	-02	(1.91) .075	-04	(2.29) .090	- "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. Mates only with CLP.) (5.46 mm) .215" to (15.49 mm) .610" stacker height only, 9 pins/row minimum -EP = End Shroud with Guide Post (-075 post height only. Mates only with CLP) (5.46 mm) .215" to (15.49 mm) .610" stacker height only, 9 pins/row minimum
LEAD STYLE	TAIL (B)														
-01	(1.14) .045														
-02	(1.91) .075														
-04	(2.29) .090														
No. of positions x (1.27) .050 100 (3.42) .135 (1.27) .050 (0.41) .016 SQ (2.51) .099 (20.32) .800 MAX OVERALL LENGTH POST HEIGHT (1.65) .065 MIN STACKER HEIGHT (5.08) .200 MIN B (4.76) .188 (4.27) .168 (3.05) .120 (1.91) .075 DIA <table><thead><tr><th>LEAD STYLE</th><th>TAIL (B)</th></tr></thead><tbody><tr><td>-01</td><td>(1.14) .045</td></tr><tr><td>-02</td><td>(1.91) .075</td></tr><tr><td>-04</td><td>(2.29) .090</td></tr></tbody></table>								LEAD STYLE	TAIL (B)	-01	(1.14) .045	-02	(1.91) .075	-04	(2.29) .090
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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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

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