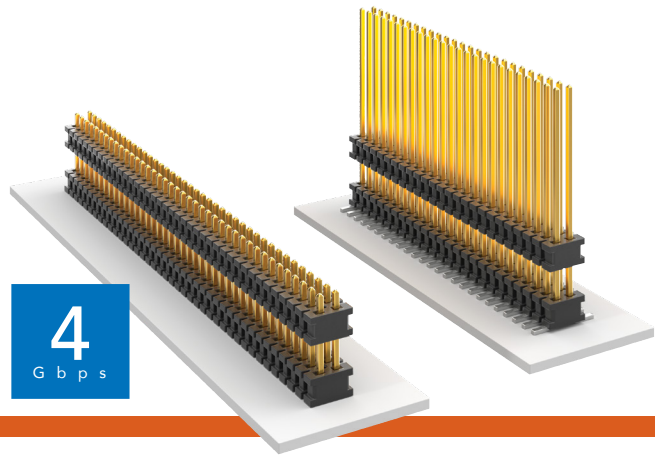


FLEX STACK

MICRO BOARD STACKER

(1.27 mm) .050" PITCH • FW SERIES



FW
Board Mates:
 CLP, FLE
Cable Mates:
 FFSD

FW	NO. OF 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 μm (0.25 μm) Gold on post, Matte Tin on tail

-G
 = 10 μm (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 (SMT only)

-P
 = Pick & Place Pad (5 positions min.) (SMT only)

-TR
 = Tape & Reel (Max overall height = Post+Stacker Height+Pad+Alignment Pin = (17.78) .700") (SMT only)

-FR
 = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (SMT only)

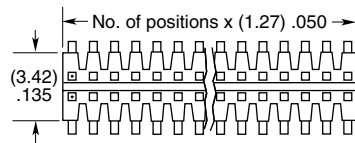
SPECIFICATIONS

Insulator Material:
 Black Liquid Crystal Polymer
Terminal Material:
 Phosphor Bronze
Plating:
 Sn or Au over 50 μm (1.27 μm) Ni
Operating Temp Range:
 -55 °C to +125 °C

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)

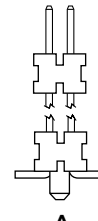
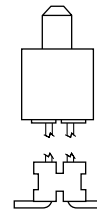
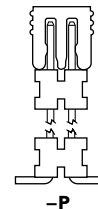
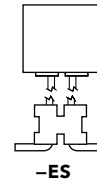
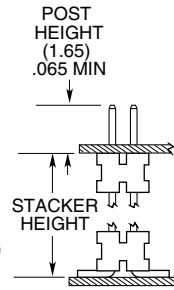
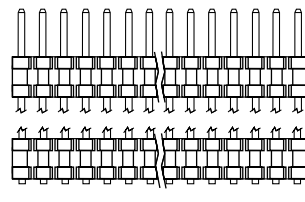
LEAD STYLE	STACKER HEIGHT	STACKER + POST
-03	(5.46) to (8.51) .215 to .335	(7.11) to (10.16) .280 to .400
-05	(8.64) to (15.49) .340 to .610	(10.29) to (17.15) .405 to .675



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

*Processing conditions will affect mated height.

SURFACE MOUNT

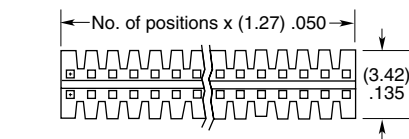


ALSO AVAILABLE

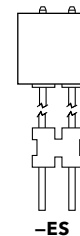
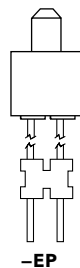
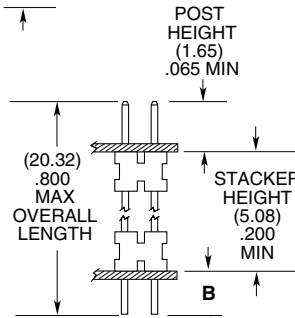
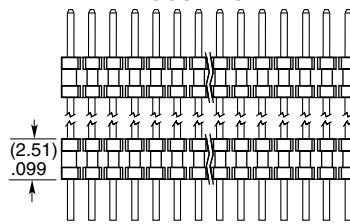
Smaller stack heights

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.



THROUGH-HOLE



LEAD STYLE	TAIL (B)
-01	(1.14) .045
-02	(1.91) .075
-04	(2.29) .090

Mouser Electronics

Authorized Distributor

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

[Samtec:](#)

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[FW-14-03-F-D-217-072-ES-P](#) [FW-02-01-F-D-120-075](#) [FW-03-05-G-D-567-108-A](#) [FW-16-04-F-D-160-090](#) [FW-50-02-F-D-656-069](#) [FW-32-05-L-D-540-100](#) [FW-25-01-F-D-655-100](#) [FW-12-03-F-D-211-125-P-TR](#) [FW-06-01-F-D-070-055](#)
[FW-03-02-L-D-530-195](#) [FW-05-05-G-D-610-065-A-M-TR](#) [FW-02-04-F-D-124-102](#) [FW-06-03-F-D-085-200](#) [FW-11-04-F-D-250-090](#) [FW-07-03-L-D-270-065-A-P-FR](#) [FW-06-04-L-D-645-065](#) [FW-12-05-L-D-280-280-A](#) [FW-15-05-L-D-440-075-ES-FR](#) [FW-10-03-G-D-210-190-P-TR](#) [FW-17-05-F-D-410-120-A-P](#) [FW-05-04-L-D-510-130](#) [FW-11-04-L-D-533-160](#) [FW-10-04-G-D-472-090](#) [FW-04-05-G-D-360-100](#) [FW-05-04-L-D-450-100](#) [FW-08-05-S-D-366-125-P](#) [FW-09-03-G-D-085-165](#) [FW-30-05-G-D-355-100-A-P](#) [FW-20-03-F-D-085-252-FR](#) [FW-02-05-G-D-512-065](#) [FW-04-05-L-D-310-100-A-TR](#) [FW-05-05-F-D-540-065-P-TR](#) [FW-08-05-G-D-300-175-A-P-TR](#) [FW-10-05-G-D-570-085-A](#) [FW-12-05-G-D-355-075-P-TR](#) [FW-10-05-F-D-465-065-A-P-TR](#) [FW-25-05-G-D-393-240-A-TR](#) [FW-04-03-F-D-275-065](#) [FW-10-04-L-D-331-090](#) [FW-16-03-L-D-175-150-FR](#) [FW-08-02-L-D-170-100](#) [FW-25-04-L-D-631-079](#) [FW-03-04-L-D-327-160](#) [FW-15-05-G-D-450-160-A-P-TR](#) [FW-02-01-G-D-195-065](#) [FW-02-04-G-D-370-085](#) [FW-10-05-F-D-260-150-A](#) [FW-02-04-L-D-100-250](#) [FW-07-05-F-D-248-211](#) [FW-10-05-L-D-567-065-ES-P-FR](#) [FW-11-05-G-D-440-200-P-TR](#) [FW-10-03-G-D-215-158-P-FR](#) [FW-12-04-L-D-150-080](#) [FW-11-01-G-D-195-065](#) [FW-02-03-G-D-260-070-FR](#) [FW-04-05-F-D-490-170-A](#) [FW-10-03-S-D-230-120-A-P-TR](#) [FW-20-03-G-D-100-300-P-FR](#) [FW-20-05-S-D-248-215-A-P-TR](#) [FW-14-03-G-D-140-140](#) [FW-15-05-G-D-450-160-A-P-FR](#) [FW-02-02-G-D-160-192](#) [FW-05-05-L-D-450-100-P-FR](#) [FW-26-04-L-D-180-160](#) [FW-14-02-L-D-300-065-ES](#) [FW-50-04-G-D-340-120](#) [FW-16-05-G-D-516-075-ES-P-TR](#) [FW-07-03-F-D-264-118-P](#) [FW-08-05-G-D-299-153](#) [FW-20-03-G-D-210-155](#) [FW-11-03-G-D-187-073-P-TR](#) [FW-11-05-F-D-473-072-A-P-TR](#) [FW-02-03-L-D-154-065-TR](#) [FW-12-05-G-D-264-140-A-P-FR](#) [FW-02-05-G-D-276-158](#) [FW-09-03-L-D-303-065-P-TR](#) [FW-10-05-G-D-505-170-P-TR](#) [FW-34-02-G-D-215-140](#) [FW-05-02-L-D-310-093](#) [FW-09-03-G-D-259-075-ES-A](#) [FW-24-03-G-D-215-075-ES-A](#) [FW-12-03-F-D-257-103-A](#) [FW-12-03-F-D-299-075-ES-A-P](#) [FW-09-05-G-D-320-100-P-FR](#) [FW-16-03-F-D-244-085-A](#) [FW-25-04-G-D-473-121](#) [FW-02-03-F-D-215-065-TR](#) [FW-02-05-F-D-315-157](#) [FW-20-03-G-D-085-070-P-FR](#) [FW-03-02-G-D-185-120](#) [FW-07-03-G-D-187-150](#) [FW-08-04-G-D-393-170](#) [FW-20-02-G-D-467-075](#) [FW-06-05-G-D-400-200-P-FR](#) [FW-15-02-F-D-410-073](#) [FW-20-04-G-D-265-075](#)