



FSH-120-04-F-RA-SL



FSH-110-04-L-DH-SL



SFMH-130-02-L-D-LC



SFMH-105-02-L-D-LC



FSH-120-04-F-DH



SFMH-120-02-L-D

FSH, SFMH SERIES

(1.27 mm) .050"

HIGH-RELIABLE HORIZONTAL SMT

FSH Mates with:
SFMH

Mates with:
FTSH, FSH

SPECIFICATIONS

For complete specifications see www.samtec.com?FSH or www.samtec.com?SFMH

Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze

Plating:
FSH =
Sn or Au over 50 μ" (1.27 μm) Ni

SFMH =
Au over 50 μ" (1.27 μm) Ni
Current Rating (FSH/SFMH):
2.6 A per pin
(2 pins powered)

Operating Temp Range:
-55 °C to +125 °C

Insertion Depth:
SFMH =
(3.35 mm) .132" to
(4.57 mm) .180"

RoHS Compliant:
Yes

PROCESSING

Lead-Free Solderable:
Yes (FSH)

SMT Lead Coplanarity:
(0.10 mm) .004" max (SFMH)
(0.15 mm) .006" max (FSH)*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



FSH	1	NO. PINS PER ROW	04	PLATING OPTION	ROW OPTION	OPTIONS
<p>05, 10, 15, 20, 25 (-DH Option)</p> <p>05, 10, 15, 20, 25, 30, 35, 40, 45 (-RA Option) (Standard sizes)</p>				<p>-F = Gold flash on post, Matte Tin on tail</p> <p>-L = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail</p>	<p>-DH = Double Row Horizontal (Surface Mount)</p> <p>-RA = Right-angle (Through-hole)</p>	<p>-SL = Solder Locks</p> <p>-C = (4.50 mm) .177" DIA Polyimide film Pick & Place Pad (10 positions minimum) not available with -RA option</p> <p>-TR = Tape & Reel (Not available with -RA)</p> <p>-FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (Not available with -RA)</p>
<p>(No. of positions + 4) x (1.27) .050</p> <p>(6.58) .259</p> <p>(2.51) .099</p> <p>(0.41) .016 SQ</p> <p>(3.43) .135</p> <p>2 4</p> <p>(1.27) .050</p> <p>(1.27) .050</p> <p>(3.94) .155</p> <p>(1.27) .050</p> <p>(1.27) .050</p> <p>No. of positions + 2 x (1.27) .050</p> <p>-DH -RA</p>		<p>(3.68) .145</p> <p>(1.27) .050</p> <p>(2.29) .090</p> <p>(1.27) .050</p> <p>-RA</p> <p>(3.68) .145</p> <p>(5.21) .205</p> <p>(0.89) .035</p> <p>(0.71) .028</p> <p>(2.16) .085</p> <p>-DH</p>				

SFMH	1	NO. PINS PER ROW	02	PLATING OPTION	D	OPTION
<p>05, 10, 15, 20, 25, 30, 35, 40, 45, 50</p>				<p>-L = 10 μ" (0.25 μm) Gold on contact, Gold flash on tail</p>	<p>-LC = Locking Clip (Manual placement required)</p> <p>-WT = Weld Tab (Not available with 35, 40, 45, 50 positions)</p> <p>-TR = Tape & Reel</p> <p>-FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)</p>	
<p>(0.64) .025 TYP</p> <p>(4.57) .180</p> <p>(1.65) .065</p> <p>(2.03) .080</p> <p>(0.41) .016</p> <p>(1.50) .059</p> <p>-WT</p>		<p>No. of Positions x (1.27) .050 + (2.92) .115</p> <p>04 02</p> <p>(1.65) .065</p> <p>(3.43) .135</p> <p>(1.27) .050</p> <p>No. of Positions x (1.27) .050 + (1.65) .065</p> <p>03 01</p> <p>(1.41) .056 DIA</p> <p>(1.02) .040</p> <p>-LC</p>				



Note:
Some sizes, styles and options are non-standard, non-returnable.