



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

(1.27 mm) .050"

FSH, SFMH SERIES

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 μm (1.27 μm) Ni
SFMH =
Au over 50 μm (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



APPLICATIONS



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

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 μm (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>

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 μm (0.25 μm) Gold on contact, Gold flash on tail</p>		<p>-LC = Locking Clip (Manual placement required)</p> <p>-TR = Tape & Reel</p> <p>-WT = Weld Tab (Not available with 35, 40, 45, 50 positions)</p>

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

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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.