

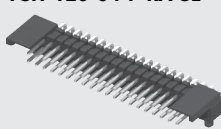


**THE DATASHEET OF  
SFMH-145-02-L-D**

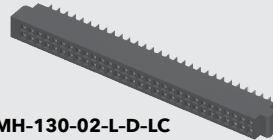




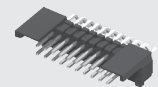
FSH-120-04-F-RA-SL



SFMH-130-02-L-D-LC



FSH-110-04-L-DH-SL



SFMH-105-02-L-D-LC



SFMH-120-02-L-D



FSH-120-04-F-DH



**FSH, SFMH SERIES**

(1.27 mm) .050"

# HIGH-RELIABLE HORIZONTAL

**FSH Mates with:**  
SFMH  
**SFMH Mates with:**  
FTSH, FSH

**SPECIFICATIONS**

For complete specifications see [www.samtec.com?FSH](http://www.samtec.com?FSH) or [www.samtec.com?SFMH](http://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](mailto:ipg@samtec.com))

**RECOGNITIONS**

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



<b>FSH</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>04</b>	<b>PLATING OPTION</b>	<b>ROW OPTION</b>	<b>OPTIONS</b>
<p><b>05, 10, 15, 20, 25</b> (-DH Option)</p> <p><b>05, 10, 15, 20, 25, 30, 35, 40, 45</b> (-RA Option) (Standard sizes)</p>				<p><b>-F</b> = Gold flash on post, Matte Tin on tail</p> <p><b>-L</b> = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail</p>	<p><b>-DH</b> = Double Row Horizontal (Surface Mount)</p> <p><b>-RA</b> = Right-angle (Through-hole)</p>	<p><b>-SL</b> = Solder Locks</p> <p><b>-C</b> = (4.50 mm) .177" DIA Polyimide film Pick &amp; Place Pad (10 positions minimum) not available with -RA option</p> <p><b>-TR</b> = Tape &amp; Reel (Not available with -RA)</p> <p><b>-FR</b> = Full Reel Tape &amp; Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (Not available with -RA)</p>


<b>SFMH</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>02</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>OPTION</b>
<p><b>05, 10, 15, 20, 25, 30, 35, 40, 45, 50</b></p>				<p><b>-L</b> = 10 μ" (0.25 μm) Gold on contact, Gold flash on tail</p>		<p><b>-LC</b> = Locking Clip (Manual placement required)</p> <p><b>-WT</b> = Weld Tab (Not available with 35, 40, 45, 50 positions)</p> <p><b>-TR</b> = Tape &amp; Reel</p> <p><b>-FR</b> = Full Reel Tape &amp; Reel (must order max. quantity per reel; contact Samtec for quantity breaks)</p>



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

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View SFMH-145-02-L-D on WIN SOURCE](#)

 [Samtec Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

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-  Cost Control Management
-  Shortage Management
-  Alternative Solution
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