

**FTSH SERIES**

**(1.27 mm) .050"**

# THROUGH-HOLE MICRO HEADER

## SPECIFICATIONS

For complete specifications see [www.samtec.com?FTSH](http://www.samtec.com?FTSH)

- Insulator Material:** Black Liquid Crystal Polymer
- Terminal Material:** Phosphor Bronze
- Plating:** Sn or Au over 50 μ" (1.27 μm) Ni
- Current Rating (FTSH/CLP):** 3.4 A per pin (2 pins powered)
- Operating Temp Range:** -55 °C to +125 °C
- RoHS Compliant:** Yes

## PROCESSING

**Lead-Free Solderable:** Yes

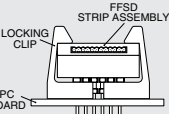
## RECOGNITIONS

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



## LOCKING CLIP

For single mating cycle with the FFSD. Specify -LC after tail option. Lead Style -01 and 10 pins/row minimum. 5-9 pins/row not available in combination with keying shroud (-K).



## ALSO AVAILABLE (MOQ Required)

- Molded Pick & Place pads
- Other platings

**Notes:** See SFM/TFM for positive alignment feature.

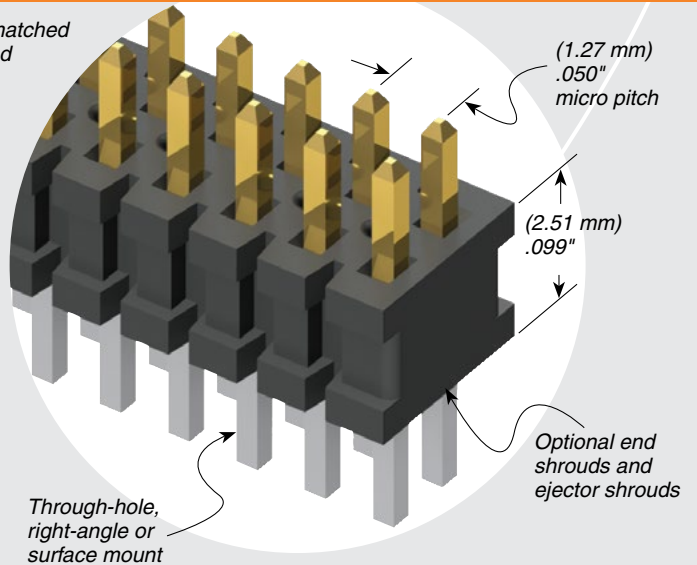
Some sizes, styles and options are non-standard, non-returnable.

**Board Mates:** CLP, FLE

**Cable Mates:** FFSD, FFTP

Impedance matched for high-speed applications (Mated with CLP Series)

Mates with socket strips or IDC cable



Through-hole, right-angle or surface mount

## HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

**8** Gbps

FTSH	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	OPTION	TAIL OPTION	OTHER OPTIONS
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	Leave blank for Right-angle -“XXX” = Polarized Position (Specify position of omitted pin) (Not available with -EX options)	Leave blank for straight tail -RA = Right-angle	-ES = End Shroud (Style -02 & -03) 9 pins/row min. -EP = End Shroud with Guide Post (Style -02 & -03) 9 pins/row min. -EL = End Shroud with Board Lock (Style -02 & -03) 9 pins/row min. -EJ = Ejector Shroud (Style -01 only) 10 pins/row min. 25 pins/row max. -RA not available -K = Keying Shroud for mating with FFSD (Style -01 only, 05, 08, 10, 13, 15, 17, 20 & 25 pins/row only and 13, 17, 20 & 25 only with -EJ option)	

LEAD STYLE	A	MATES WITH	OPTION	Z
-01	(3.05) .120	FFSD	-ES	(1.55) .061
-02	(1.91) .075	FLE	-EJ	(15.77) .621
-03	(1.65) .065	CLP-D	-EP	(5.87) .231
-04	(3.81) .150	N/A	-EL	(6.53) .257

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