EN: This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

samtec

10 YEAR MFG WITH 30 µ" GOLD
EXTENDED LIFE PRODUCT
HIGH MATING CYCLES

FTSH–150–02–L–D

FTSH–115–03–L–D–RA

FTSH–125–01–F–D
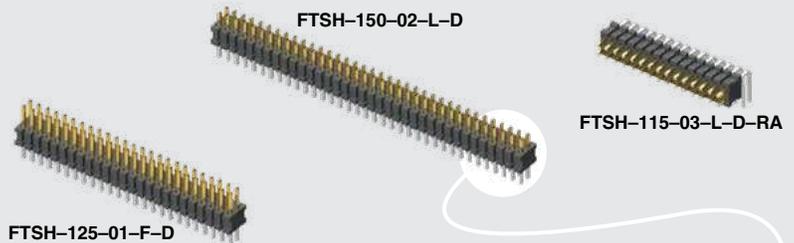
(1.27 mm) .050"

FTSH SERIES

THROUGH-HOLE MICRO HEADER

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

(1.27 mm) .050" micro pitch

(2.51 mm) .099"

Mates with socket strips or IDC cable

Optional end shrouds and ejector shrouds

Through-hole, right-angle or surface mount

SPECIFICATIONS

Board Mates: CLP, FLE
Cable Mates: FFSD, FFTP

For complete specifications see 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

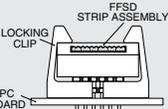## PROCESSING

Lead-Free Solderable: Yes

RECOGNITIONS

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

UL FILE NO. E111594

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).

FFSD STRIP ASSEMBLY
LOCKING CLIP
PC BOARD

ALSO AVAILABLE
(MOQ Required)

• Molded Pick & Place pads
• Other platings

Notes:
See SFM/TFM for positive alignment feature.

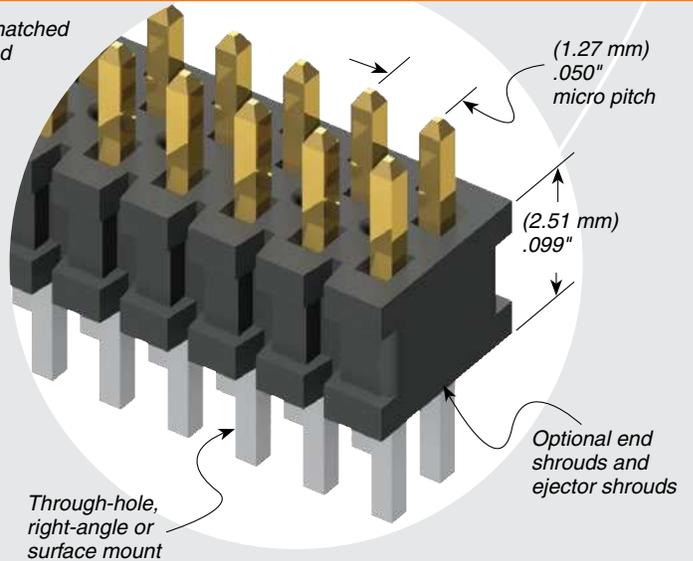Some sizes, styles and options are non-standard, non-returnable.

HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact 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)

No. of positions x (1.27) .050 + Z
02 ... 100
01 ... 99
(4.78) .188
(1.27) .050
–EX OPTION SHOWN

No. of positions x (1.27) .050
02 ... 100
01 ... 99
(3.43) .135
(2.51) .099
(1.27) .050
A
(3.43) .135
(0.40) .016 SQ

(1.17) .046
(2.29) .090
(3.05) .120
(1.91) .075 DIA
–EL **–EP**

(1.27) .050
(2.29) .090
(1.27) .050
–RA

(11.18) .440
–EJ

(5.08) .200
(2.16) .085
(3.20) .126
–K

(2.29) .090
–ES

(2.29) .090
(2.29) .090
(1.27) .050
–RA –ES

LEAD STYLE	A	MATES WITH
–01	(3.05) .120	FFSD
–02	(1.91) .075	FLE
–03	(1.65) .065	CLP-D
–04	(3.81) .150	N/A

OPTION	Z
–ES	(1.55) .061
–EJ	(15.77) .621
–EP	(5.87) .231
–EL	(6.53) .257

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