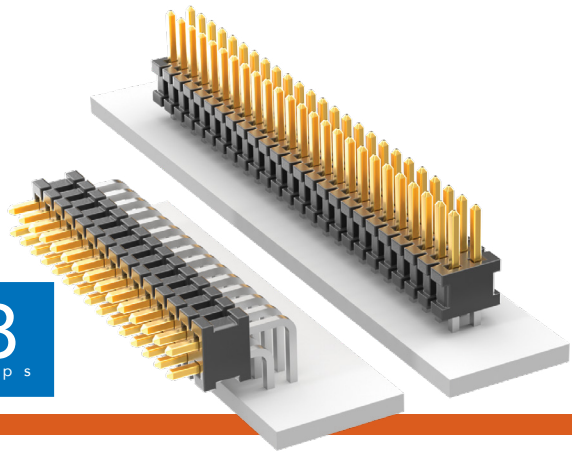# THROUGH-HOLE MICRO HEADER

8 Gbps

(1.27 mm) .050" PITCH • FTSH SERIES

FTSH
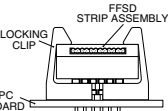**Board Mates:**
CLP, FLE

Cable Mates:
FFSD, FFTP

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Plating:
Sn or Au over 50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C
Current Rating (FTSH/CLP):
3.4 A per pin
(2 pins powered)
Current Rating (FTSH/FLE):
2.9 A per pin
(2 pins powered)
Voltage Rating:
280 VAC/396 VDC

PROCESSING

Lead-Free Solderable:
Yes

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
Contact Samtec

Molded Pick & Place pads

Other platings

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

Notes:
Severe Environment Testing qualified; aligns with MIL-DTL-55302. Visit samtec.com/set

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

See SFM/TFM for positive alignment feature.

Part Number Builder

FTSH	–	1	–	NO. PINS PER ROW	–	LEAD STYLE	–	PLATING OPTION	–	D	–	OPTION	–	TAIL OPTION	–	OTHER OPTIONS

NO. PINS PER ROW: 02 thru 50

LEAD STYLE: Specify LEAD STYLE from chart

PLATING OPTION:
–F = Gold flash on post, Matte Tin on tail
–L = 10 µ" (0.25 µm) Gold on post, Matte Tin on tail

OPTION:
Leave blank for RIght-angle
–"XXX" = Polarized Position (Specify position of omitted pin) (Not available with -EX options)

TAIL OPTION:
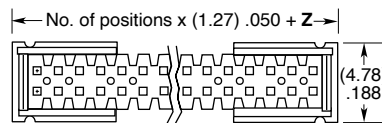Leave blank for straight tail
–RA = Right-angle

OTHER OPTIONS:
–ES = End Shroud (Style –02 & –03) 9 pins/row minimum
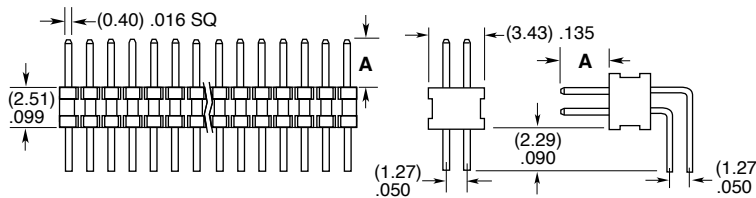–EP = End Shroud with Guide Post (Style –02 & –03) 9 pins/row minimum
–EL = End Shroud with Board Lock (Style –02 & –03) 9 pins/row minimum
–EJ = Ejector Shroud (Style –01 only) 10 pins/row minimum 25 pins/row maximum –RA not available
–K = Keying Shroud for mating with FFSD (Style –01 only, 05 thru 25 pins/row only. 13, 17, 20 & 25 only with -EJ option)

No. of positions x (1.27) .050 + **Z**

(4.78) .188

–EX OPTION SHOWN

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

No. of positions x (1.27) .050

(3.43) .135

(0.40) .016 SQ

A

(2.51) .099

(3.43) .135

A

(2.29) .090

(1.27) .050

(1.27) .050

–RA

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

–ES **–RA –ES** **–EP** **–EL** **–EJ** **–K**

FFSD STRIP ASSEMBLY
LOCKING CLIP
PC BOARD