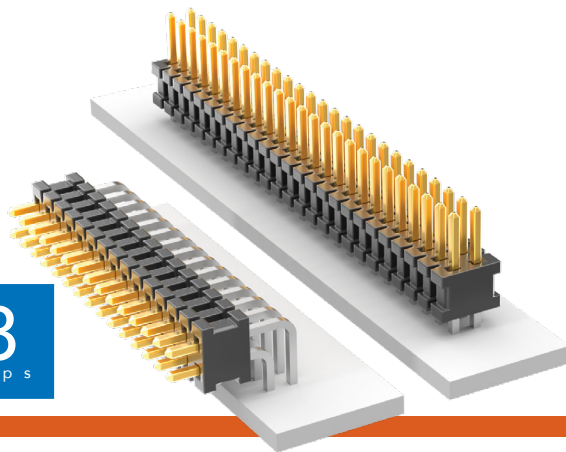


# THROUGH-HOLE MICRO HEADER

(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  $\mu$ " (1.27  $\mu$ m) 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

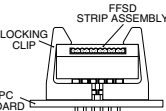
## PROCESSING

**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



## Notes:

Severe Environment Testing qualified; aligns with MIL-DTL-55302. Visit [samtec.com/set](http://samtec.com/set)

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

See SFM/TFM for positive alignment feature.

| 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  $\mu$ "  
(0.25  $\mu$ m)  
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

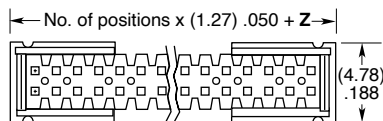
**-ES**  
= End Shroud  
(Style -02 & -03)  
9 pins/row  
minimum

**-EP**  
= End Shroud  
with Guide Post  
(Style -02 & -03)  
9 pins/row  
minimum

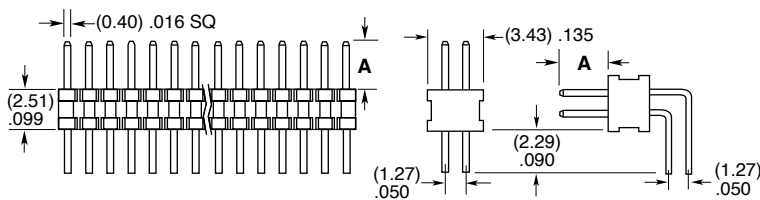
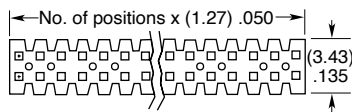
**-EL**  
= End Shroud  
with Board Lock  
(Style -02 & -03)  
9 pins/row  
minimum

**-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)



-EX OPTION SHOWN



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

| 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        |

