

(1.27 mm) .050"

FTS SERIES

# MICRO LOW PROFILE TERMINAL STRIPS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?FTS](http://www.samtec.com?FTS)

### HI-TEMP

**Insulator Material:**  
Black Liquid Crystal Polymer

**Terminal Material:**  
Phosphor Bronze

**Operating Temp Range:**  
-55°C to +125°C

**Plating:**  
Sn or Au over 50µ"

**Current Rating:**  
3.3 A per pin  
(1 pin powered per row)

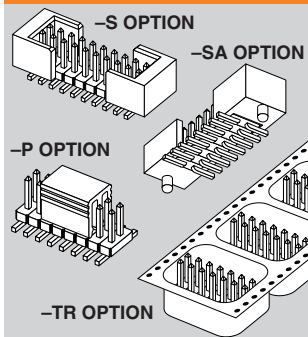
**RoHS Compliant:**  
Yes

**Lead-Free Solderable:**  
Yes

**SMT Lead Coplanarity:**  
.004" (0.10 mm) max

**Mates with:**  
FFSD, CLP, FLE

## OPTIONS



Mates with  
socket strips  
or IDC cable

Surface  
mount or  
through-hole

Micro pitch  
.050" x .050"  
(1.27 mm x 1.27 mm)

Low profile  
(1.27 mm) .050"

Shrouded and  
alignment pin  
options available

Impedance matched for  
high speed applications

## RECOGNITIONS

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



## ALSO AVAILABLE (MOQ Required)

- Alignment pin  
Contact Samtec.

| FTS | 1 | NO. PINS PER ROW                                    | LEAD STYLE                                                                                                                                                                                                                     | PLATING OPTION                                                                                                                         | ROW OPTION                                                                                                                                                                    | OTHER OPTION                                                                                                                                                                                                                                                                                                                                                                         |
|-----|---|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |   | 02 thru 50<br>(except -S & -SA option = 05 thru 46) | <p><b>-01</b><br/>= .120"<br/>(3.05 mm)<br/>Post<br/>(Mates with FFSD)</p> <p><b>-02</b><br/>= .075"<br/>(1.91 mm)<br/>Post<br/>(Mates with FLE)</p> <p><b>-03</b><br/>= .065"<br/>(1.65 mm)<br/>Post<br/>(Mates with CLP)</p> | <p><b>-F</b><br/>= Gold flash on post, Matte Tin on tail</p> <p><b>-L</b><br/>= 10µ" (0.25 µm)<br/>Gold on post, Matte Tin on tail</p> | <p><b>-D</b><br/>= Double Through-hole</p> <p><b>-DV</b><br/>= Double Vertical SMT</p> <p><b>-S</b><br/>= Single Through-hole</p> <p><b>-SV</b><br/>= Single Vertical SMT</p> | <p>(-D &amp; -DV only)</p> <p><b>-SA</b><br/>= End Shroud with Alignment Pin (05 thru 46 positions. Style -02 &amp; -03 only)</p> <p><b>-S</b><br/>= End Shroud (05 thru 46 positions. Style -02 &amp; -03 only)</p> <p><b>-P</b><br/>= Pick &amp; Place Pad (04 positions minimum)</p> <p><b>-TR</b><br/>= Tape &amp; Reel (-DV only) (Required callout for positions 2 thru 4)</p> |

| LEAD STYLE | A           |
|------------|-------------|
| -01        | (3.05) .120 |
| -02        | (1.91) .075 |
| -03        | (1.65) .065 |

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