



(1.27 mm) .050"

SMT MICRO HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?FTSH

Insulator Material:

Black Liquid Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Sn or Au over

50 μm (1.27 μm) Ni

Current Rating (FTSH/CLP):

3.3 A per pin

(1 pin powered per row)

Operating Temp Range:

-55 °C to +125 °C

RoHS Compliant:

Yes

PROCESSING

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

-MT & -DV Tail Option:

(0.10 mm) .004" max (02-25)

-MT & -DH Tail Option:

(0.15 mm) .006" max (26-50)

RECOGNITIONS

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



ALSO AVAILABLE (MOQ Required)

- Molded Pick & Place pads
 - Latches
 - Other platings
- Contact Samtec.

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

Note: See SFM/TFM for positive alignment feature.

Board Mates:

CLP, FLE

Cable Mates:

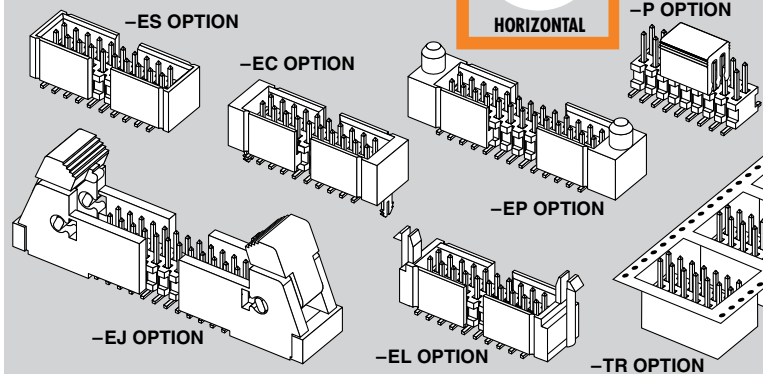
FFSD, FFTP

APPLICATIONS

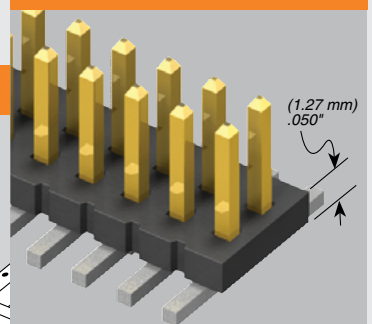


HORIZONTAL

OPTIONS



OTHER SOLUTIONS



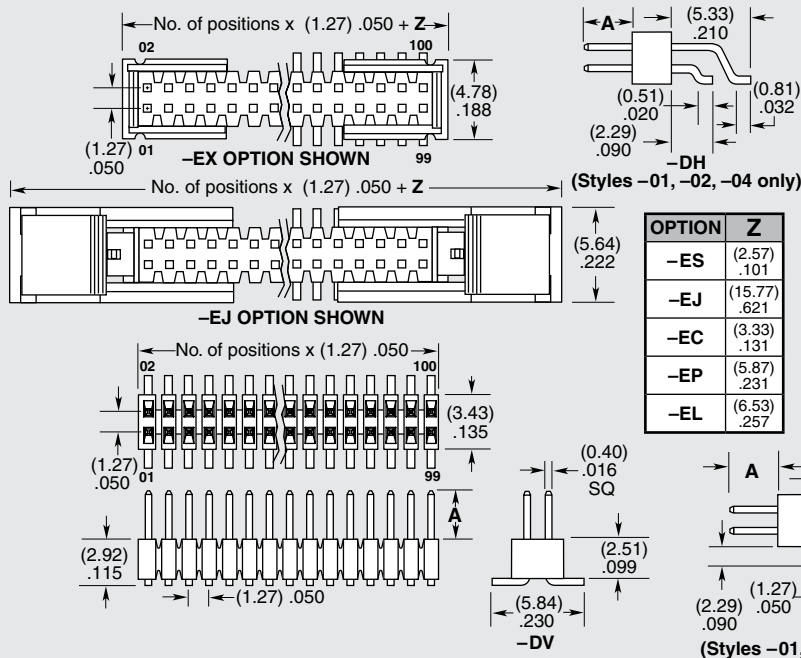
Ultra-low profile option available. End Shrouds available. Call for FTS Series specifications.

FTSH

1

NO. PINS
PER ROWLEAD
STYLE

02 thru 50



-01
= (3.05 mm) .120" Post
(Mates with FFSD, CLP-DH)

-02
= (1.91 mm) .075" Post
(Mates with FLE)

-03
= (1.65 mm) .065" Post
(Mates with CLP-D)

-04
= (3.81 mm) .150" Post

-05
= (4.32 mm) .170" Post
(Mates with CLP-BE)

LEAD STYLE	A
-01	(3.05) .120
-02	(1.91) .075
-03	(1.65) .065
-04	(3.81) .150
-05	(4.32) .170

FTSH-116-02-L-DV

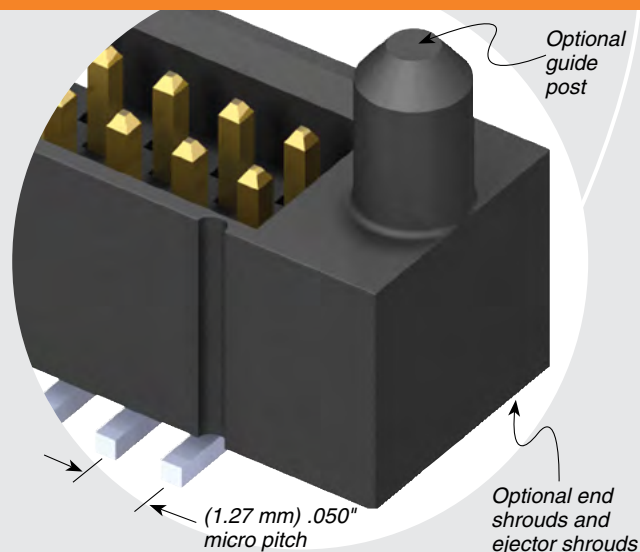
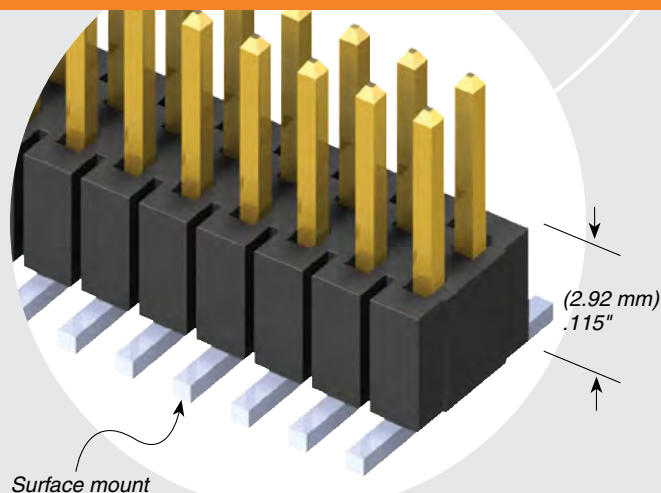
FTSH-110-01-F-DV

FTSH-112-02-L-DH

FTSH-116-03-L-DV-EP-P

FTSH-130-02-L-DV-EP

FTSH SERIES

PLATING
OPTION

-F
= Gold flash
on post,
Matte Tin
on tail

-L
= 10 μ m
(0.25 μ m)
Gold on post,
Matte Tin
on tail

TAIL
OPTION

-DV
= Double
Vertical

-DH
= Double
Horizontal
(Styles
-01, -02 &
-04 only)

-MT
= Mixed
Technology
(Styles
-01, -02 &
-04 only)

OPTION

Leave Blank
for -DH & -MT

-"XXX"
= Polarized
Position
(Specify
position of
omitted pin)
(Not available
with -EX
options)

FLEX SHROUD
OPTIONS

(Style -02 & -03 only, -DH & -MT not available)
9 pins/row minimum
(Other positions available. Call Samtec.)

-ES
= End Shroud

-EC
= End Shroud
with Locking Clip
(Manual placement
required)

-EP
= End Shroud
with Guide Post

-EL
= End Shroud with Board Lock
(Boards are positively locked
and cannot be unmated)

-EJ
= Ejector Shroud
(Style -01 only)
-DH & -MT not available
10 pins/row minimum
25 pins/row maximum

OTHER
OPTIONS

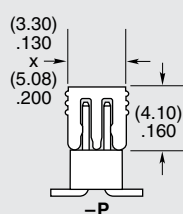
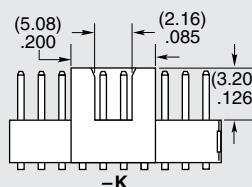
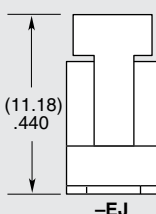
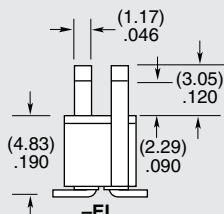
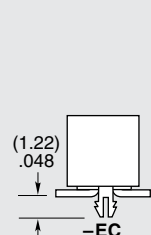
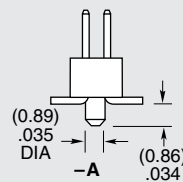
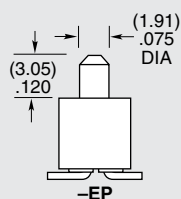
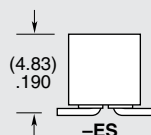
-K
= Keying Shroud
(For mating with FFSD
Style -01 only and
05, 08, 10, 13, 17, 20 & 25
pins/row only. 13, 17, 20 & 25
pins/row only with -EJ option)
(-DV only)

-A
= Alignment Pin
(-DV 3 positions min.)
(-DH 5 positions min.)
(Metal or plastic at
Samtec discretion)

-C
= (5.00 mm) .197" DIA
Polyimide film
Pick & Place Pad
(-DH only)

-P
= Pick & Place Pad
(-DV 4 positions min.)
(-DH & -MT not available)

-TR
= Tape & Reel Packaging
(Flex Shroud options not
available except -ES & -EJ)



WWW.SAMTEC.COM

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