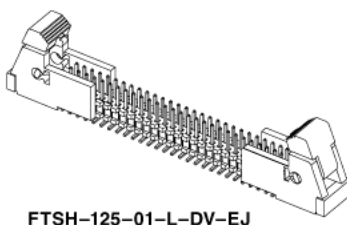


samtec



FTSH-125-01-L-DV-EJ



FTSH-120-02-F-DV

FTSH-110-01-L-DV



Surface
SMT
Mount

.050" MICRO HEADER FTSH SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?FTSH

Insulator Material:
Black Liquid Crystal Polymer

Terminal Material:
Phosphor Bronze

Plating:

Sn or Au over 50µ" (1,27µm) Ni

Current Rating:

1.75A @ 80°C ambient

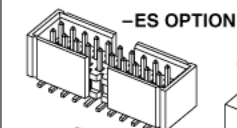
Operating Temp Range:
-55°C to +125°C

Note: See SFM/TFM for positive alignment feature.

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

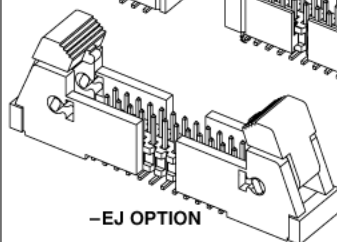
Mates with:
FFSD, CLP, FLE, SFMC, SFMH

OPTIONS

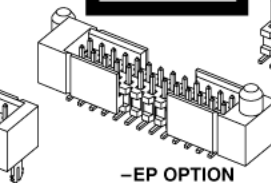


-ES OPTION

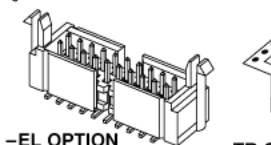
-EC OPTION



-EJ OPTION

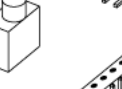
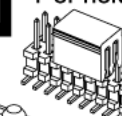


-EP OPTION



-EL OPTION

-P OPTION



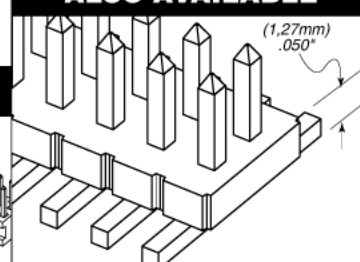
-TR OPTION

APPLICATIONS



HORIZONTAL

ALSO AVAILABLE



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

APPLICATION SPECIFIC OPTION

Molded pick-and-place pads, latches, single row option and straddle mount leads available.
Call Samtec.

Processing:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x with

Matte Sn plating

Lead-Free Solderable:

Yes, with Matte Sn

SMT Lead Coplanarity:

(0,10mm) .004" max (02-25)

(0,15mm) .006" max (26-50)

Suggested Paste Thickness:

For most applications add

(0,05mm) .002" to max SMT

lead coplanarity

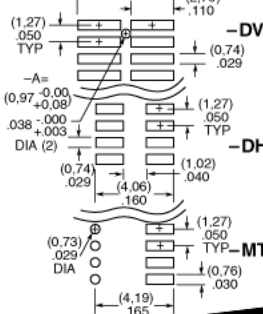
Suggested PCB Layouts:

For reference only. Please

contact Samtec or go to

www.samtec.com?FTSH for

recommended PCB layout.



FTSH

1

NO. PINS
PER ROW

LEAD
STYLE

02 thru 50

-01

= (3,05) .120" Post (Mates with FFSD, FLE)

-02

= (1,91) .075" Post (Mates with FLE)

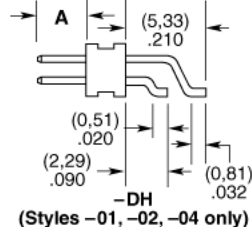
-03

= (1,65) .065" Post (Mates with CLP -D)

-04

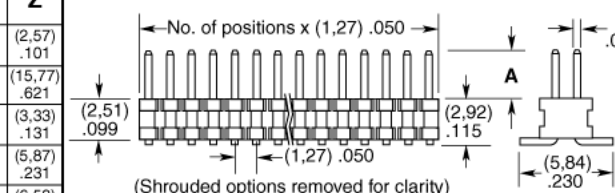
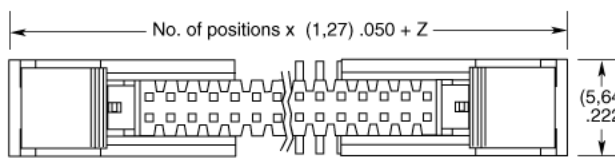
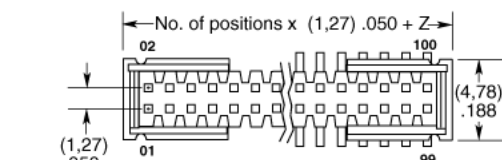
= (3,81) .150" Post (Mates with SFMC, SFMH)

LEAD STYLE	A
-01	(3,05) .120
-02	(1,91) .075
-03	(1,65) .065
-04	(3,81) .150



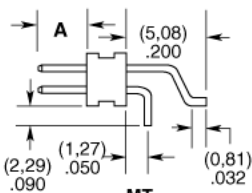
(Styles -01, -02, -04 only)

OPTION	Z
-ES	(2,57) .101
-EJ	(15,77) .621
-EC	(3,33) .131
-EP	(5,87) .231
-EL	(6,53) .257



(Shrouded options removed for clarity)

-DV



(Styles -01 & -02 only)

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

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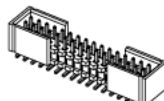


FTSH-116-01-L-DV

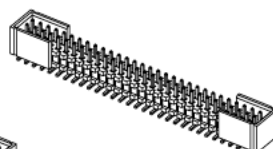
FTSH-110-02-F-DV



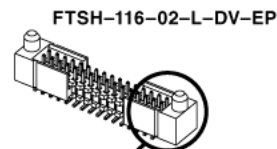
FTSH-110-02-L-DH



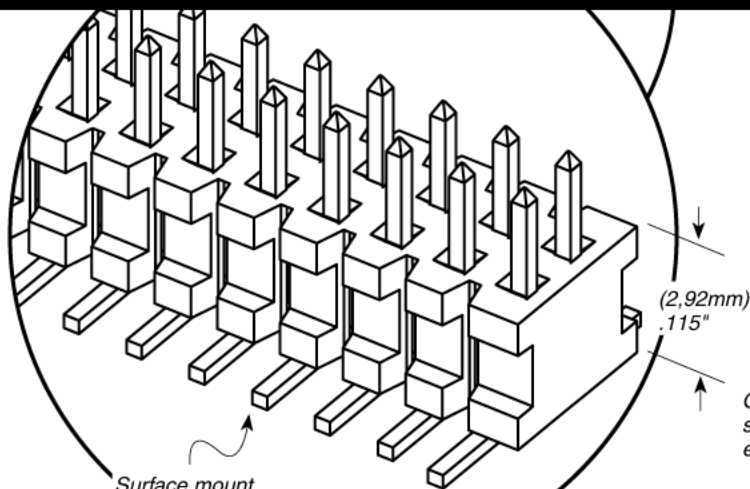
FTSH-116-02-L-DV-ES



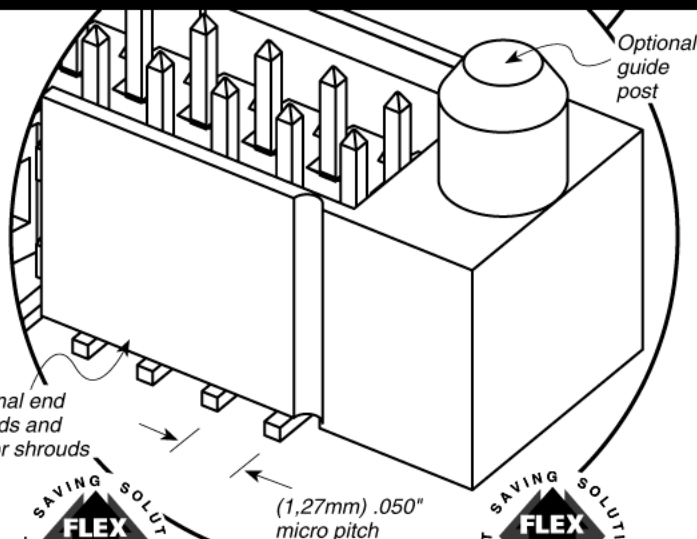
FTSH-130-02-L-DV-ES



FTSH-116-02-L-DV-EP



Surface mount



PLATING OPTION

-L or -LM
= 10µ" (0,25µm) Gold on post,
Tin (-L) or Matte Tin (-LM)
on tail

-F or -FM
= Gold flash on post,
Tin (-F) or Matte Tin (-FM)
on tail

TAIL OPTION

-DV
= Double Vertical

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

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

FLEX SHROUD OPTIONS

(Style -02 & -03 only, -DH
not available)
9 pins/row minimum

-ES
= End Shroud

-EC
= End Shroud
with Locking Clip

-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

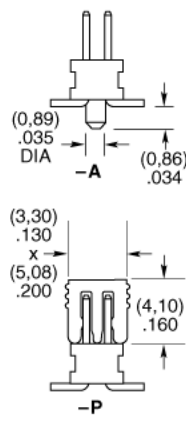
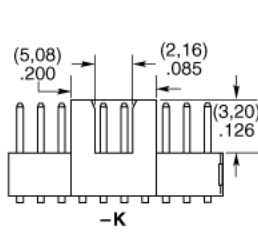
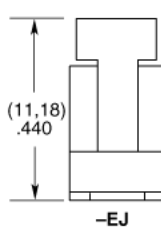
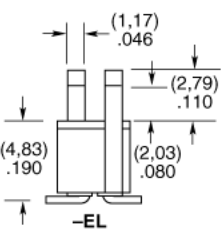
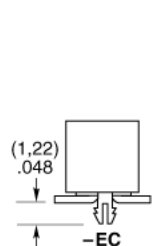
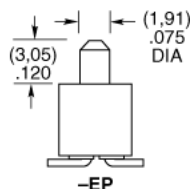
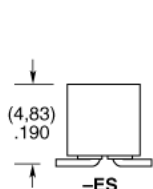
-K
= Mating Shroud
(For mating with FFSD
Styles -01 only, 05, 08, 10,
13, 17, 20 & 25 pins/row only,
13, 17, 20 & 25 only with
shrouds)

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

-C
= (4,00mm) .157" DIA
Polyimide film
Pick & Place Pad
(-DH only)

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

-TR
= Tape & Reel Packaging
(Tail option -DV &
-DH only)
Flex Shroud options
not available except
-ES & -EJ



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