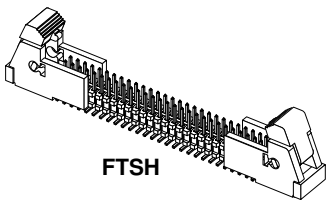
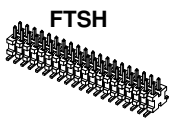
FACTSHEET F-199-1

samtec





POPULAR CONNECTORS Ship Next DAY

Surface SMT Mount T/H Page 82

.050" MICRO HEADER FTSH SERIES

SPECIFICATIONS

Materials:

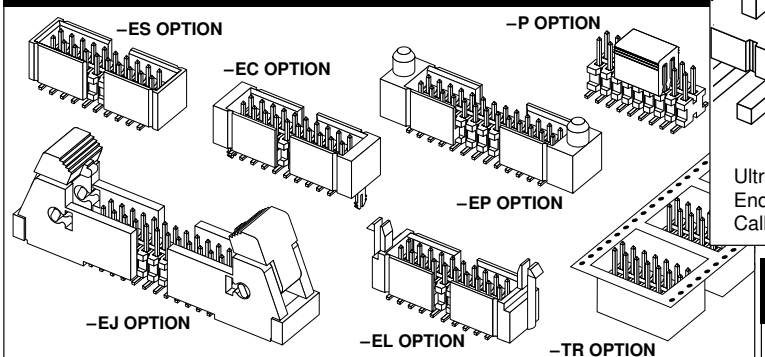
Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Current Rating:
1.75A @ 80°C ambient
Operating Temp Range:
-65°C to +125°C
Plating:
Sn or Au over 50µ"
(1,27µm) Ni

Note:
See SFM/TFM for positive alignment feature.

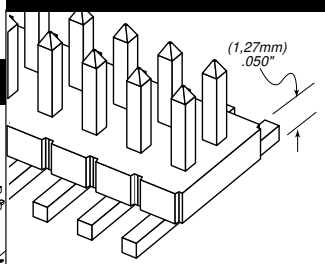
Note: Some sizes, styles and options are non-standard, non-returnable.

Mates with:
FFSD, CLP, FLE

OPTIONS



ALSO AVAILABLE



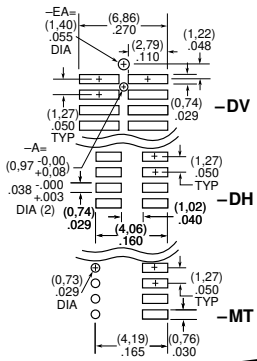
Ultra-low profile option available.
End Shrouds available.
Call for FTS Series specifications.

APPLICATION SPECIFIC OPTION

Molded pick-and-place pads and straddle mount leads available. Call Samtec.

Processing:

Max Processing Temp:
230°C for 60 seconds
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:
Your specific layout may vary

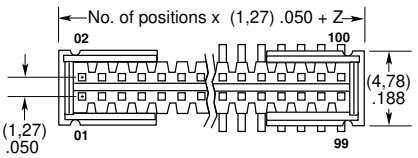


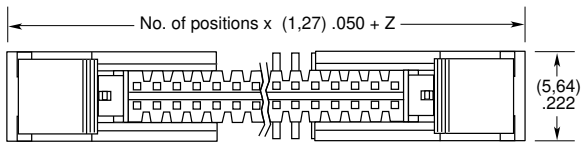
TAPE & REEL AVAILABILITY
No tooling charges.
125 piece minimum order.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.
Call Samtec for specifications and ordering information.

FTSH – 1 – NO. PINS PER ROW – LEAD STYLE –

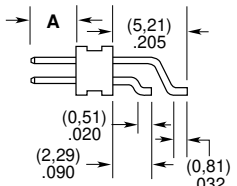
02 thru 50

–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 –DV)



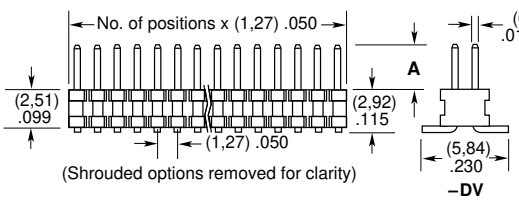


LEAD STYLE	A
–01	(3,05) .120
–02	(1,91) .075
–03	(1,65) .065



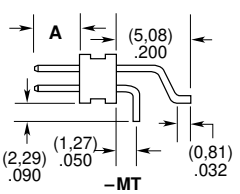
–DH
(Styles –01 & –02 only)

OPTION	Z
–ES	(1,55) .061
–EJ	(15,77) .621
–EC	(3,33) .131
–EP	(5,87) .231
–EL	(6,53) .257



(Shrouded options removed for clarity)

–DV



–MT
(Styles –01 & –02 only)

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047 **SAMTEC UK** • Tel: 01236 739292 • Fax: 01236 727113 **SAMTEC ASIA PACIFIC** • Tel: 65-745-5955 • Fax: 65-841-1502
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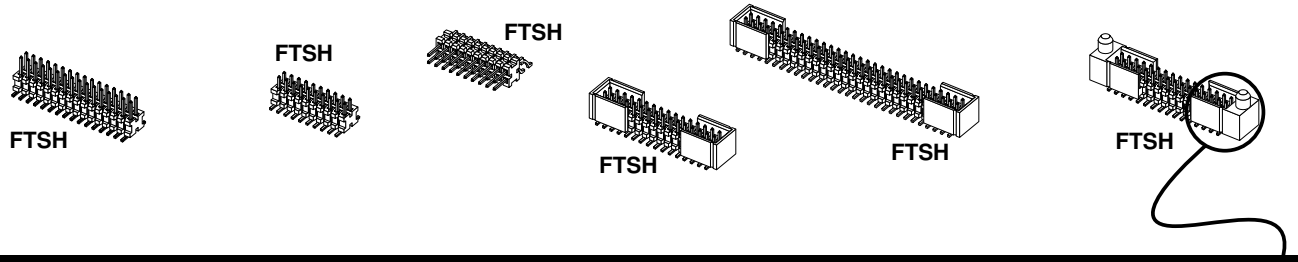
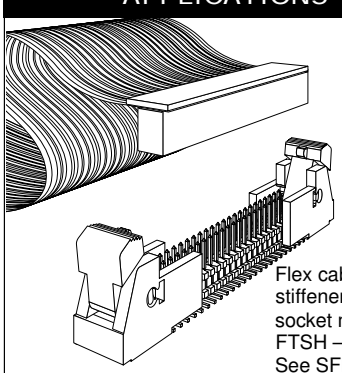
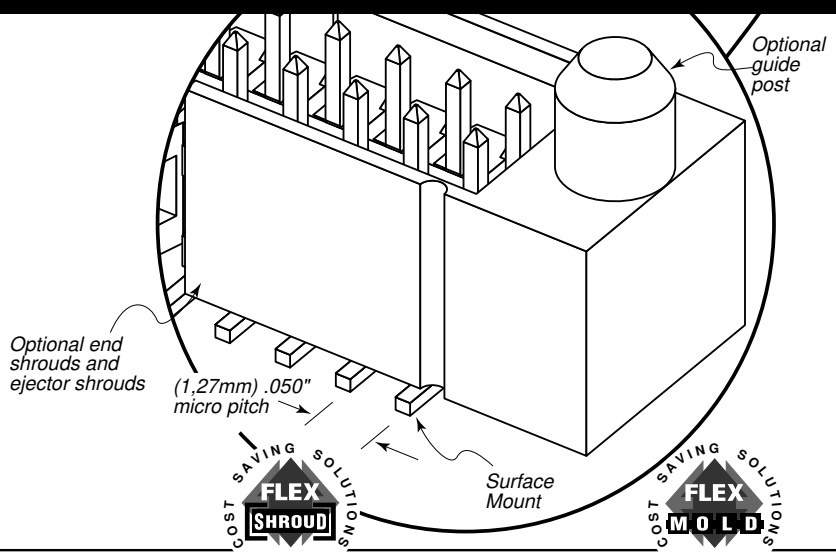


APPLICATIONS



Flex cable with stiffener and socket mates with FTSH –EJ option. See SFMC & FLE Series



– PLATING OPTION

–L
= 10µ"(0,25µm) Gold on post 75µ" (1,91µm) Tin on tail

–F
= Gold flash on post, 75µ" (1,91µm) Tin on tail

– TAIL OPTION

–DV
= Double Vertical

–DH
= Double Horizontal (Styles –01 & –02 only)

–MT
= Mixed Technology (Styles –01 & –02 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 not available)
10 pins/row minimum
25 pins/row maximum

– OTHER OPTIONS

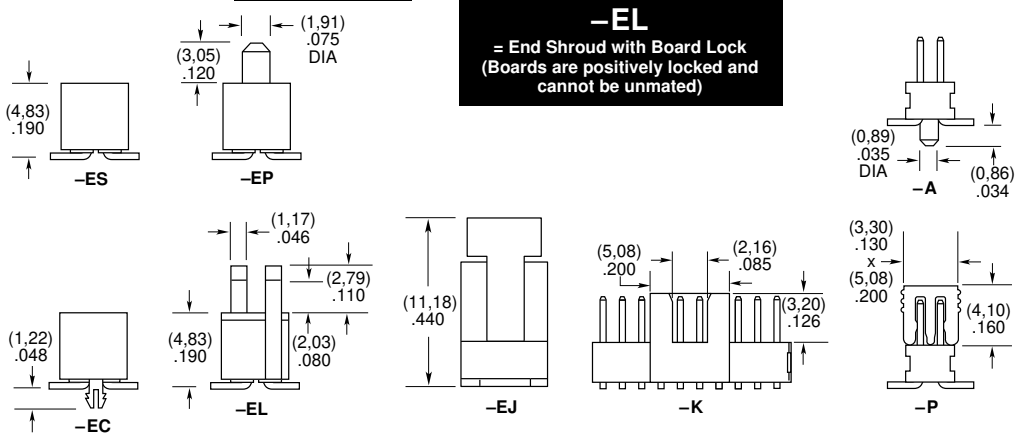
–K
= Keying Shroud (For mating with FFSD Styles –01 only, 05, 10, 13, 20 & 25 pins/row only, 13, 20 & 25 only with shrouds)

–A
= Alignment Pin
Not available with –K
(–DV 3 positions min.)
(–DH 8 positions min.)
(Metal or plastic at Samtec discretion)

–C
(Best Cost Option)
= (4,00mm) .157" DIA Polyamide film Pick & Place Pad
(–DH only 6 pos. min.)

–P
= Pick & Place Pad
(–DV 4 positions min.)
(–DH 6 positions min.)

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



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