SURFACE MOUNT MICRO HEADER

8 Gbps

(1.27 mm) .050" PITCH • FTSH SERIES
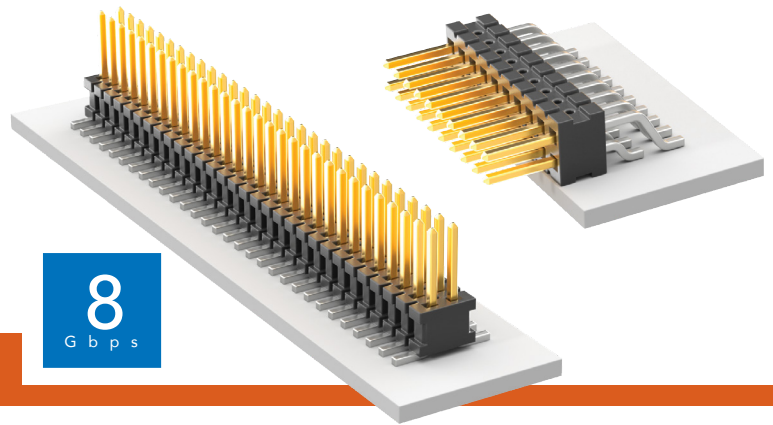
FTSH
Board Mates:
CLP, FLE

Cable Mates:
FFSD, FFTP

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Plating:
Sn or Au over
50 µ" (1.27 µm) 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
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)*
*(.004" stencil solution
may be available; contact
ipg@samtec.com)

ALSO AVAILABLE
Contact Samtec

Molded Pick & Place pads
Latches
Other platings

10 YEAR MFG WITH 30 µ" GOLD
EXTENDED LIFE PRODUCT
HIGH MATING CYCLES

Notes:
Severe Environment
Testing qualified; aligns
with MIL-DTL-55302.
Visit 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	TAIL OPTION	OPTION	FLEX SHROUD OPTIONS	OTHER OPTIONS

NO. PINS PER ROW
02 thru 50

LEAD STYLE
–01
= (3.05 mm) .120" Post (Mates with FFSD)

–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 (Mates with CLP-DH)

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

PLATING OPTION
–F
= Gold flash on post, Matte Tin on tail

–L
= 10 µ" (0.25 µm) 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, 05 thru 25 pins/row only. 13, 17, 20 & 25 only with –EJ option) (-DV only)

–A
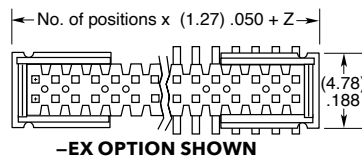= Alignment Pin (–DV 3 positions minimum) (–DH 5 positions minimum) (Metal or plastic at Samtec discretion)

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

–P
= Pick & Place Pad (–DV 4 positions minimum) (–DH & –MT not available)

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

–FR
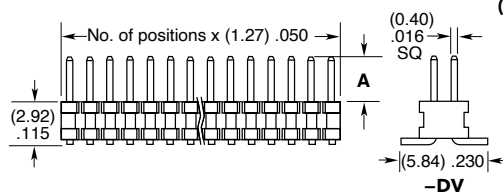= Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

OPTION	Z
–ES	(2.57) .101
–EJ	(15.77) .621
–EC	(3.33) .131
–EP	(5.87) .231
–EL	(6.53) .257
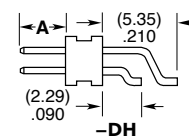
LEAD STYLE	A
–01	(3.05) .120
–02	(1.91) .075
–03	(1.65) .065
–04	(3.81) .150
–05	(4.32) .170

No. of positions x (1.27) .050 + Z
(4.78) .188
–EX OPTION SHOWN

No. of positions x (1.27) .050 + Z
(5.64) .222
–EJ OPTION SHOWN

No. of positions x (1.27) .050
(2.92) .115
(0.40) .016 SQ
(5.84) .230
–DV

A
(5.35) .210
(1.27) .050
–MT
(Styles –01, –02 & –04 only)

A
(5.35) .210
(2.29) .090
–DH
(Styles –01, –02, –04 only)

–ES **–EC** **–EP** **–EL** **–EJ** **–K** **–P** **–A**