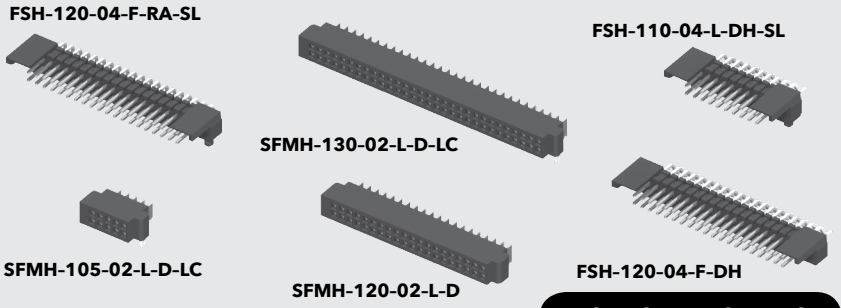
samtec

TIGER™ EYE SYSTEM



(1.27 mm) .050"

FSH, SFMH SERIES

HIGH-RELIABLE HORIZONTAL

FSH Mates with:
SFMH
SFMH Mates with:
FTSH, FSH

SPECIFICATIONS

For complete specifications see www.samtec.com?FSH or www.samtec.com?SFMH

Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Plating:
FSH = Sn or Au over 50 µ" (1.27 µm) Ni
SFMH = Au over 50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C
Current Rating (FSH/SFMH):
2.6 A per pin (2 pins powered)
Voltage Rating:
213 VAC/301 VDC
Insertion Depth:
SFMH = (3.35 mm) .132" to (4.57 mm) .180"
RoHS Compliant:
Yes

PROCESSING

Lead-Free Solderable:
Yes (FSH)
SMT Lead Coplanarity:
(0.10 mm) .004" max (SFMH)
(0.15 mm) .006" max (FSH)*
*(.004" stencil solution may be available; contact ipg@samtec.com)

RECOGNITIONS

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

FILE NO. E111594

FSH - 1 NO. PINS PER ROW - 04 - PLATING OPTION - ROW OPTION - OPTIONS

05, 10, 15, 20, 25
(-DH Option)

05, 10, 15, 20, 25, 30, 35, 40, 45
(-RA Option)
(Standard sizes)

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

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

-DH
= Double Row Horizontal (Surface Mount)

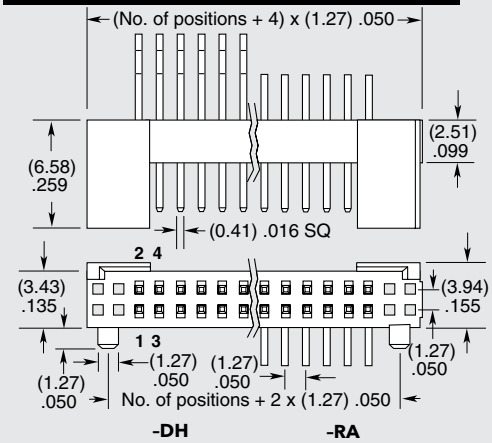
-RA
= Right-angle (Through-hole)

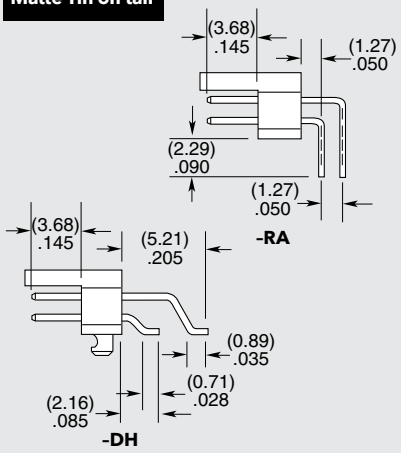
-SL
= Solder Locks

-C
= (4.50 mm) .177" DIA Polyimide film Pick & Place Pad (10 positions minimum) not available with -RA option

-TR
= Tape & Reel (Not available with -RA)

-FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (Not available with -RA)





SFMH - 1 NO. PINS PER ROW - 02 - PLATING OPTION - D - OPTION

05, 10, 15, 20, 25, 30, 35, 40, 45, 50

-L
= 10 µ" (0.25 µm) Gold on contact, Gold flash on tail

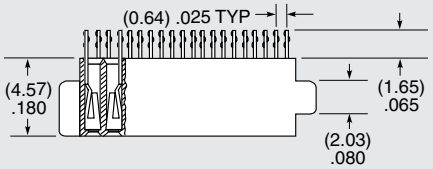
-LC
= Locking Clip (Manual placement required)

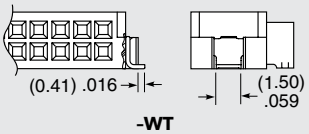
-WT
= Weld Tab (Not available with 35, 40, 45, 50 positions)

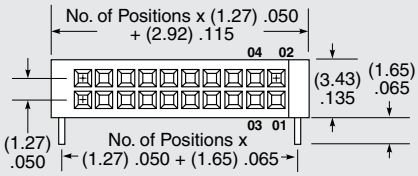
-TR
= Tape & Reel

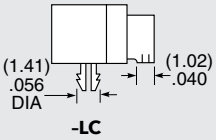
-FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

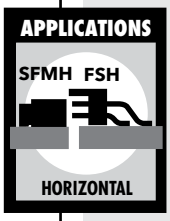
TIGER™ EYE LITE











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

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.