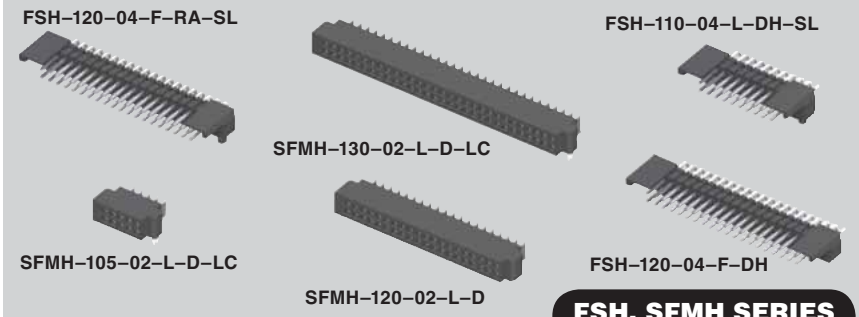
samtec

TIGER EYE SYSTEM™



(1,27 mm) .050"

FSH, SFMH SERIES

HIGH RELIABLE HORIZONTAL SMT

FSH Mates with:
SFMH

Mates with:
FTSH, FSH

SPECIFICATIONS

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

FSH

Insulator Material:
Black Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze
Plating:
Sn or Au over
50µ" (1,27 µm) Ni
Current Rating (FSH/SFMH):
2.6 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:
(0,15 mm) .006" max

SFMH

Same as FSH except:
Plating:
Au over 50µ" (1,27 µm) Ni
Contact Resistance:
15 mΩ
Insertion Depth:
(3,35 mm) .132" to
(4,57 mm) .180"
Insertion Force:
2.5 oz (0,69 N) average
Withdrawal Force:
2.0 oz (0,56 N) average
SMT Lead Coplanarity:
(0,10 mm) .004" max

RECOGNITIONS

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

FILE NO. E111594

TIGER EYE L·I·T·E™

APPLICATIONS
SFMH FSH
HORIZONTAL

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

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

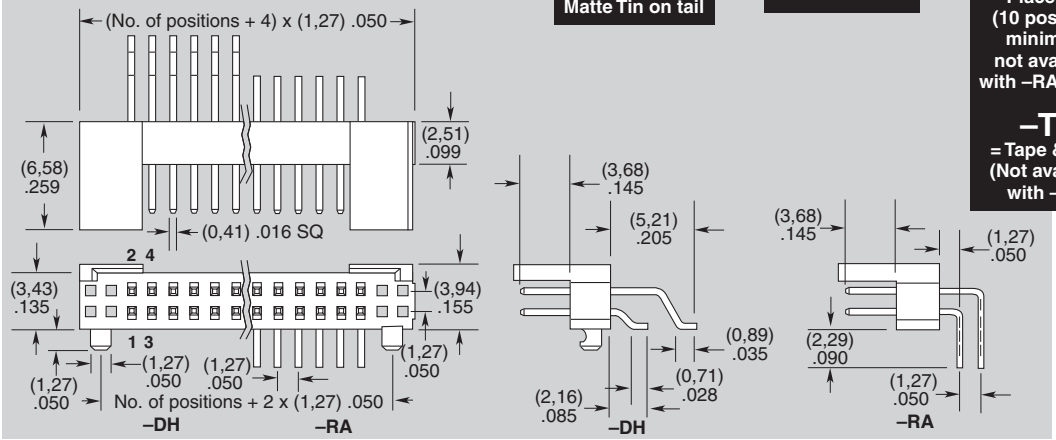
–DH
= Double Row Horizontal (Surface Mount)

–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)



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

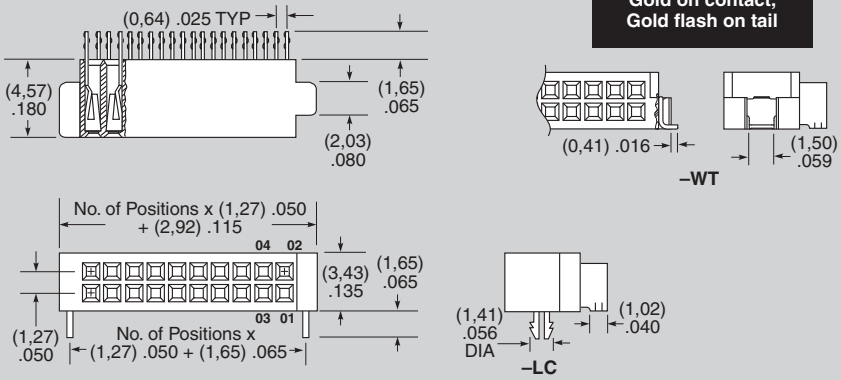
05, 10, 15, 20, 25, 30, 35, 40, 45, 50

–L
= 10µ" (0,25 µm) Gold on contact, Gold flash on tail

–LC
= Locking Clip (Manual placement required)

–TR
= Tape & Reel

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



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

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