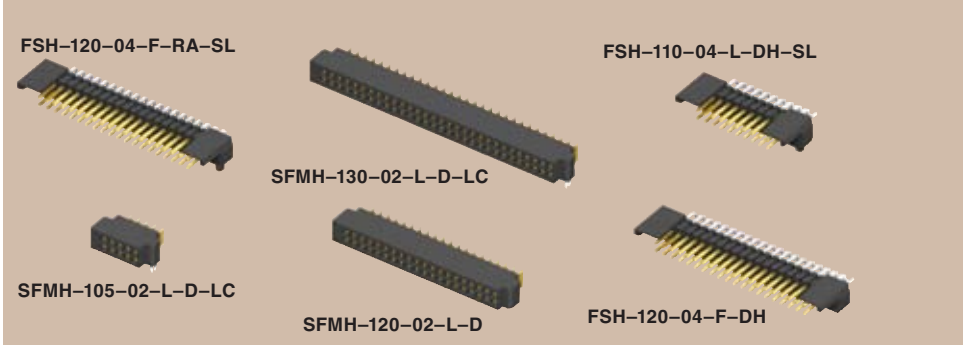
samtec

TIGER EYE SYSTEM™

(1,27mm) .050"

FSH, SFMH SERIES



HIGH RELIABLE HORIZONTAL SMT

Mates with:
SFMH

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?FSH

Insulator Material: Black Liquid Crystal Polymer (FILE NO. E111594)
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
RoHS Compliant: Yes

Processing:

Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0,15mm) .006" max

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

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

NO. PINS PER ROW

05, 10, 15, 20, 25
(–DH Option)

05, 10, 15, 20, 25, 30, 35, 40, 45
(–RA Option)
(Call Samtec for other sizes.)

PLATING OPTION

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

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

ROW OPTION

–DH = Double Row Horizontal (Surface Mount)

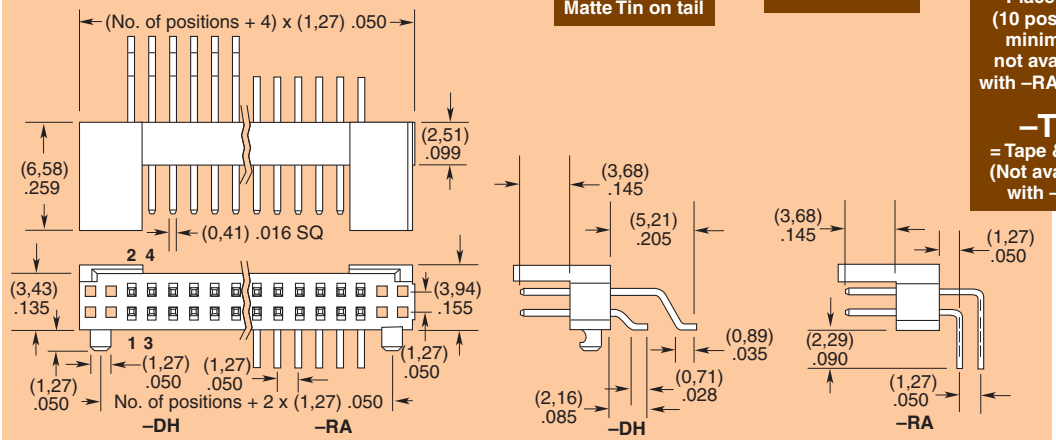
–RA = Right Angle (Through-Hole)

OPTIONS

–SL = Solder Locks

–C = (4,50mm) .177" DIA Polyimide film Pick & Place Pad (10 positions minimum) not available with –RA option

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



SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SFMH

Insulator Material: Black, LCP (FILE NO. E111594)
Contact Material: Phosphor Bronze
Plating: Au over 50µ" (1,27µm) Ni
Current Rating: 2A @ 80°C ambient
Operating Temp Range: -55°C to +125°C
Contact Resistance: 15 mΩ max
Insertion Depth: (3,35mm) .132" to (4,57mm) .180"
Insertion Force: 2.5oz (0,69N) average
Withdrawal Force: 2.0oz (0,56N) average
RoHS Compliant: Yes
Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0,10mm) .004" max

TIGER EYE L·I·T·E™

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

Mates with:
FTSH, FSH

NO. PINS PER ROW

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

PLATING OPTION

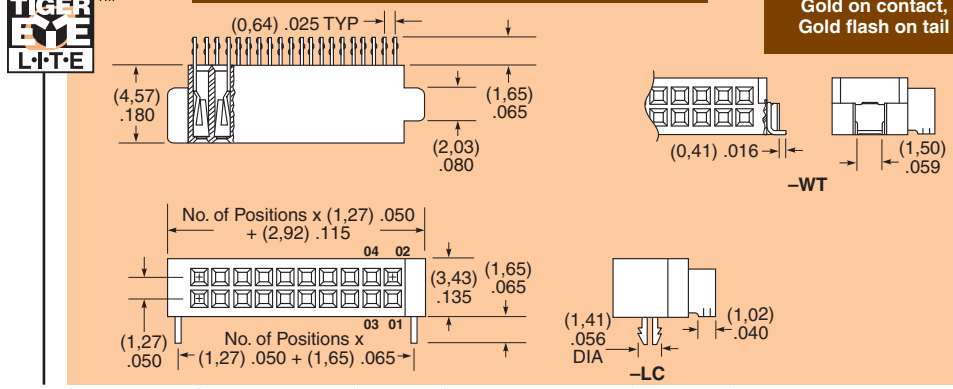
–L = 10µ" (0,25µm) Gold on contact, Gold flash on tail

OPTION

–LC = Locking Clip

–TR = Tape & Reel

–WT = Weld Tab





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

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