



(1,27 mm) .050"

YFS-20-03-H-05-SB-K

YFS-20-03-H-08-SB

YFS-30-03-H-10-SB

YFS SERIES

LOW PROFILE OPEN PIN FIELD SOCKET

SPECIFICATIONS

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

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

Phosphor Bronze

Plating:

Au over 50 μ " (1,27 μ m) Ni

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

10 m Ω

Working Voltage:

275 VAC when mated with YFT

Mated Cycles:

200 with YFT

RoHS Compliant:

No

Lead-Free Solderable:

No

Mates with:
YFT, YFW

High reliability
Tiger Eye™
contacts

TIGER
EYE
LITE

(1,27 mm) .050"
micro pitch

Polarized
notches

Tin-Lead
Solder Balls

TEST RESULTS

Passed 20 year mixed
flowing gas testing.
Go to: www.samtec.com?YFS

1,27 mm pitch YFS/YFT	Rated @ 3dB Insertion Loss	
5 mm Stack Height	with PCB effects*	w/o PCB effects**
Single-Ended Signaling	3.5 GHz / 7 Gbps	20 GHz / 40 Gbps
Differential Pair Signaling	9 GHz / 18 Gbps	20 GHz / 40 Gbps

*Performance data includes effects of a non-optimized PCB.

**Test board losses de-embedded from performance data.

Performance data for other stack heights and complete test data available at www.samtec.com?YFS or contact sig@samtec.com

Final InCh®
CERTIFIED

28+
Gbps

RECOGNITIONS

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



FILE NO. E111594

YFS

NO. PINS
PER ROWLEAD
STYLEPLATING
OPTIONROW
OPTION

SB

OTHER
OPTION

-20

= -05, -08, and -10 row

-30, -40, -50

= -10 row only

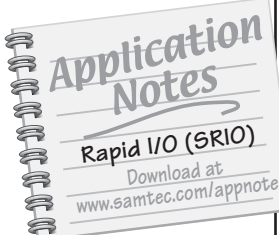
-03
=Standard
Insertion
Force-L3
=Low
Insertion
Force-H
=30 μ "
(0,76 μ m)
Gold on
contact area-05
=Five Row-08
=Eight Row-10
=Ten Row

-K

=Polyimide film Pick
& Place Pad

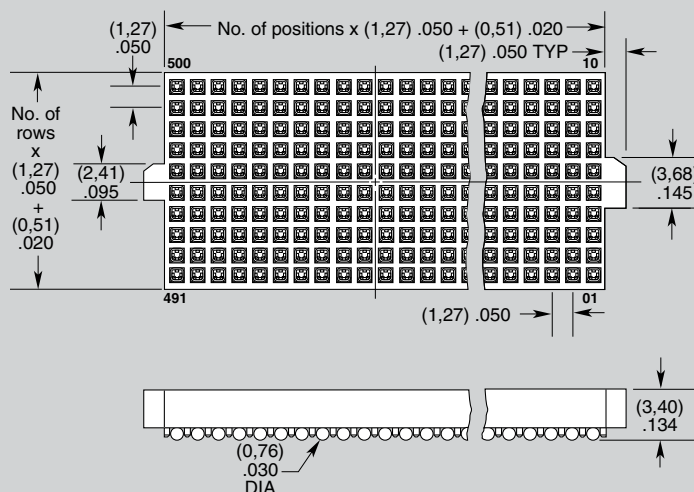
-TR

=Tape & Reel



ALSO AVAILABLE (MOQ Required)

- 30, 40 & 50 positions in 5 & 8 rows
 - 3 & 6 rows
- Contact Samtec.



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