

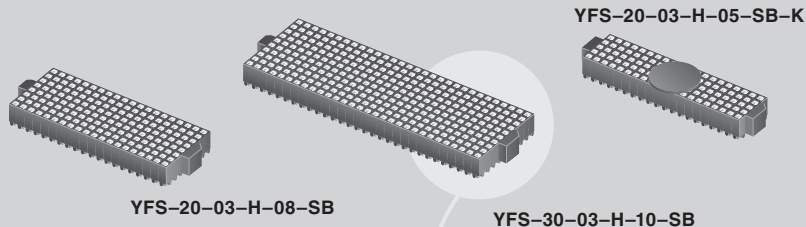
# samtec

(1,27 mm) .050"

YFS SERIES

## SamArray®

HIGH DENSITY  
INTERCONNECTS



# LOW PROFILE OPEN PIN FIELD SOCKET

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?YFS](http://www.samtec.com?YFS)

### Insulator Material:

Black Liquid Crystal  
Polymer

### Contact Material:

Phosphor Bronze

### Plating:

Au over 50µ" (1,27 µm) Ni

### Current Rating:

2A per contact @ 80°C ambient

### Operating Temp Range:

-55°C to +125°C

### Contact Resistance:

10 mΩ

### Working Voltage:

275 VAC when mated with YFT

### Mated Cycles:

200 with YFT

### RoHS Compliant:

No

### Lead-Free Solderable:

No



Mates with:  
YFT, YFW



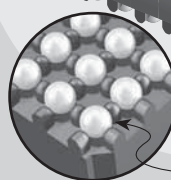
High reliability  
Tiger Eye™  
contacts

TIGER  
EYE  
LITE™

(1,27 mm) .050"  
micro pitch

Polarized  
notches

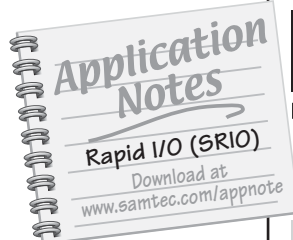
1,27 mm pitch YFS/YFT	Rated @ 3dB Insertion Loss*
5 mm Stack Height	
Single-Ended Signaling	3.5 GHz / 7 Gbps
Differential Pair Signaling	9 GHz / 18 Gbps
*Data based on ± 10% impedance/crosstalk	
*Performance data includes effects of a non-optimized PCB.	
Performance data for other stack heights and complete test data available at <a href="http://www.samtec.com?YFS">www.samtec.com?YFS</a> or contact sig@samtec.com	



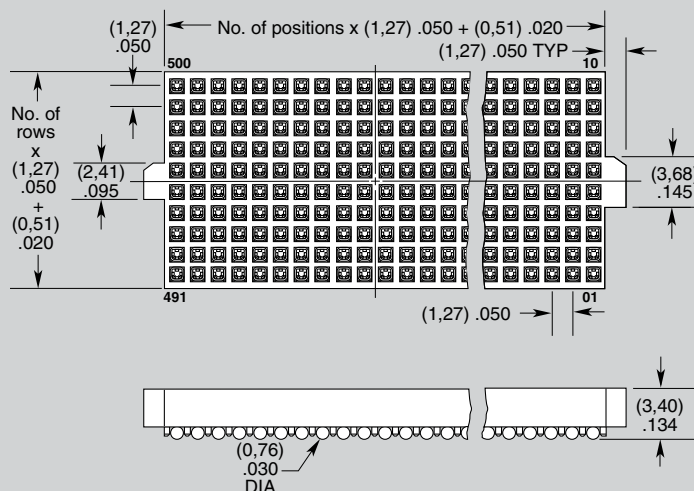
Tin-Lead  
Solder Balls

## TEST RESULTS

Passed 20 year mixed  
flowing gas testing.  
Go to: [www.samtec.com?YFS](http://www.samtec.com?YFS)



YFS	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	SB	OTHER OPTION
	-20 = -05, -08, and -10 row	-03 = Standard Insertion Force	-H = 30µ" (0,76 µm) Gold on contact area	-05 = Five Row		-K = Polyimide film Pick & Place Pad
	-30, -40, -50 = -10 row only	-L3 = Low Insertion Force		-08 = Eight Row		-TR = Tape & Reel
				-10 = Ten Row		



## APPLICATION SPECIFIC OPTION

30, 40 & 50 positions also  
available in 5 & 8 rows.  
3 & 6 rows also available.  
Call Samtec.

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

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

WWW.SAMTEC.COM

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