

samtec

SamArray®
HIGH DENSITY
INTERCONNECTS

(1,27 mm) .050"

YFT-20-05-H-05-SB

YFT-40-05-H-10-SB

YFT-20-05-H-08-SB

YFT SERIES

LOW PROFILE OPEN PIN FIELD TERMINAL

SPECIFICATIONS

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

Insulator Material:

Black Liquid Crystal Polymer

Terminal Material:

Brass

Operating Temp Range:

-55°C to +125°C

Plating:

Au over 50µ" (1,27 µm) Ni

Working Voltage:

275 VAC when mated with YFS

Mated Cycles:

200 with YFS

RoHS Compliant:

No

Lead-Free Solderable:

No

Mates with:
YFS

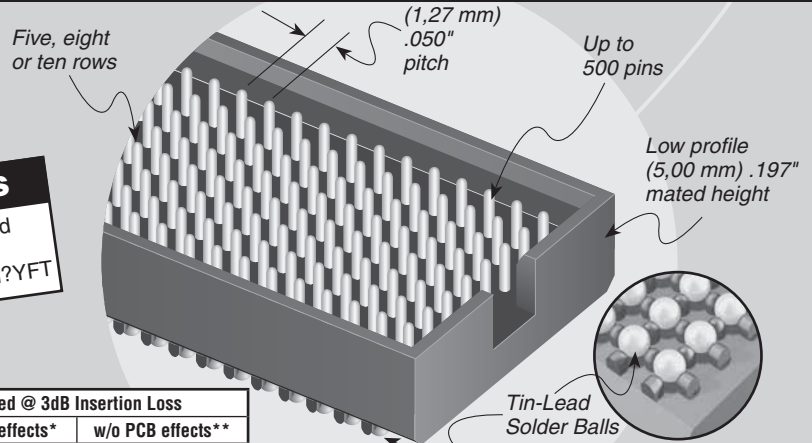
TEST RESULTS

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

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?YFT or contact sig@samtec.com



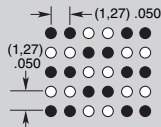
FinalInch® | 28+
CERTIFIED | Gbps

RECOGNITIONS

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



DIFFERENTIAL APPLICATION



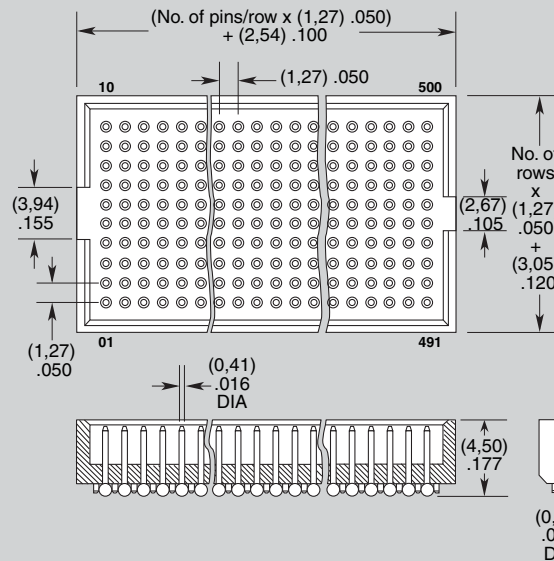
ARRAY	PAIR COUNT
50x10	125
40x10	100
30x10	75
20x10	50
20x8	40
20x5	25

ALSO AVAILABLE (MOQ Required)

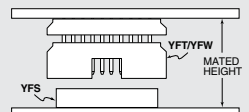
- 30, 40 & 50 positions in 5 & 8 rows
 - 3 & 6 rows
- Contact Samtec.

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

TYPE	NO. PINS PER ROW	PLATING OPTION	ROW OPTION	SB	OTHER OPTION
YFT = Header	-20 = -05, -08, and -10 row -30, -40, -50 = -10 row only	-H = 30µ" (0,76 µm) Gold on post	-05 = Five Row -08 = Eight Row -10 = Ten Row		-K = Polyimide Film Pick & Place Pad -TR = Tape & Reel



STACK HEIGHTS



HEADER/STACKER	MATED HEIGHT
YFT-05	(5,00) .197
YFW-07*	(7,00) .276
YFW-09*	(9,00) .354
YFW-12*	(12,00) .472
YFW-19*	(19,00) .748
YFW-25*	(25,00) .984

Processing conditions will affect mated height.

* See YFW Series for specifications

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

WWW.SAMTEC.COM

SAMTEC USA • Tel: +1-800-SAMTEC-9 or +1-812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: +1-408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: +1-800-726-8329
 SAMTEC SOUTH AMERICA • Tel: +55 31 3786 3227 SAMTEC UNITED KINGDOM • Tel: +44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
 SAMTEC FRANCE • Tel: +33 1 60 95 06 60 SAMTEC ITALY • Tel: +39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46 8 4477280 SAMTEC BENELUX • Tel: +44 01236 739292
 SAMTEC ISRAEL • Tel: +972 3 7526600 SAMTEC INDIA • Tel: +91 80 3272 1612 SAMTEC ANZ • Tel: +613 9580 0683 SAMTEC SINGAPORE • Tel: +65 6745 5955 SAMTEC JAPAN • Tel: +81 45 475 1385
 SAMTEC SHANGHAI • Tel: +86 21 6083 3766 SAMTEC SHENZHEN • Tel: +86 755 83776780 SAMTEC TAIWAN • Tel: +886 2 2735 6109 SAMTEC HONG KONG • Tel: +852 26904658 SAMTEC KOREA • Tel: +82 31 717 5685