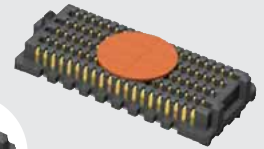


SEAM-30-03.5-S-04-2-A-K-TR



SEAM SERIES

(1.27 mm) .050"

HIGH SPEED/HIGH DENSITY OPEN PIN FIELD

SPECIFICATIONS

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

Insulator Material: Black LCP

Contact Material: Copper Alloy

Operating Temp Range: -55°C to +125°C

Current Rating (7 mm stack height):

1.8 A per pin (10 adjacent pins powered)

Plating:

Au or Sn over 50 μm (1.27 μm) Ni

Contact Resistance: 5.5 mΩ

Working Voltage: 240 VAC

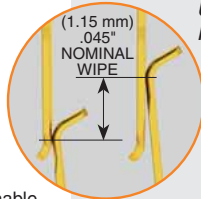
RoHS Compliant: Yes

Lead-Free Solderable: Yes

Mates with: SEAF, SEAFP

Note: Patented

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

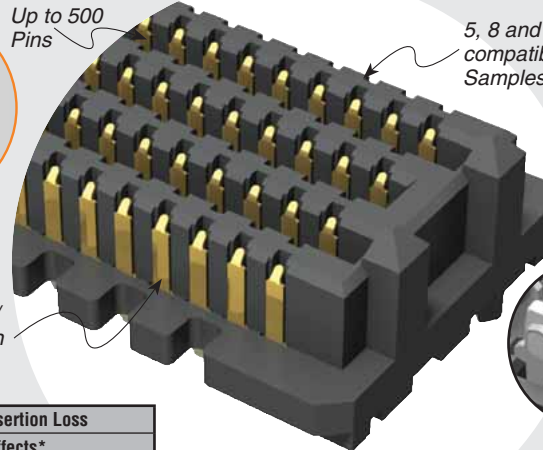


Up to 500 Pins

5, 8 and 10 row footprint compatible with SamArray®. Samples recommended.

Low insertion/extraction forces

Solder charges



SEAM/SEAF 10 mm Stack Height	Rated @ 3dB Insertion Loss	
	w/o PCB effects*	
Single-Ended Signaling	18 GHz / 36 Gbps	
Differential Pair Signaling	18 GHz / 36 Gbps	

*Test board losses de-embedded from performance data.

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



28+ Gbps

RECOGNITIONS

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



SEAM - **NO. PINS PER ROW** - **LEAD STYLE** - **PLATING OPTION** - **NO. OF ROWS** - **SOLDER TYPE** - **A** - **K** - **TR**

-10, -15, -20, -30, -40, -50
(-10 only available in 04 row)
(-15 only available in 10 row)

Specify LEAD STYLE from chart

NO. OF ROWS	B
-04	(7.06) .278
-05, -06	(9.60) .378
-08	(12.14) .478
-10	(14.68) .578

-L = 10 μm (0.25 μm) Gold on contact area, Matte Tin on solder tail

-S = 30 μm (0.76 μm) Gold on contact area, Matte Tin on solder tail

-04 = Four Rows (-06.5 not available)

-05 = Five Rows (-06.5 not available)

-06 = Six Rows (-06.5 not available)

-08 = Eight Rows

-10 = Ten Rows

-1 = Tin/Lead Alloy Solder Charge

-2 = Lead-Free Solder Charge

-A = Alignment Pins (Required. Arrays will not self-center on solder pads)

-K = Polyimide film Pick & Place Pad

-TR = Tape & Reel

Industry Standards

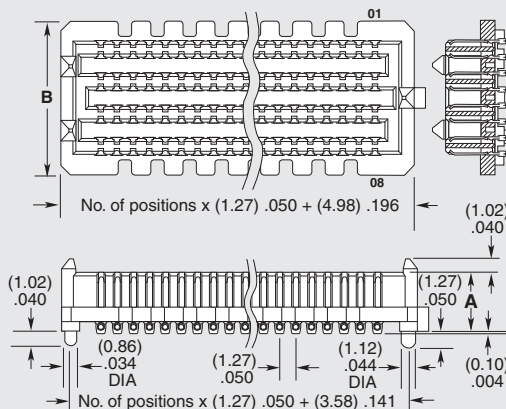
PISMO 2
VITA 47
VITA 57

Protocols Supported

100 GbE
Fibre Channel
Rapid I/O
PCI Express®
SATA
InfiniBand™

Download app notes at www.samtec.com/appnote
Contact SIG @ samtec.com for questions on protocols

MATED HEIGHTS			
SEAM LEAD STYLE	SEAF LEAD STYLE		
	-05.0	-06.0	-06.5
-02.0	7 mm	8 mm	8.5 mm
-03.0	8 mm	9 mm	9.5 mm
-03.5	8.5 mm	9.5 mm	10 mm
-06.5	11.5 mm	12.5 mm	13 mm
-07.0	12 mm	13 mm	13.5 mm
-09.0	14 mm	15 mm	15.5 mm
-11.0	16 mm	17 mm	17.5 mm



LEAD STYLE	A
-02.0	(4.60) .181
-03.0	(5.59) .220
-03.5	(6.10) .240
-06.5	(9.14) .360
-07.0	(9.60) .378
-09.0	(11.60) .457
-11.0	(13.60) .535

DIFFERENTIAL

ARRAY	PAIR COUNT
40x8	80
40x6	60
30x10	75
30x8	60
30x6	45
20x10	50
20x8	40
20x5	25