

(1.27 mm) .050"

SEAM SERIES

# HIGH-SPEED/HIGH-DENSITY OPEN-PIN-FIELD

## SPECIFICATIONS

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

2.7 A per pin  
(10 adjacent pins powered)

### Plating:

Au or Sn over

50 μ" (1.27 μm) Ni

### Working Voltage:

240 VAC

### RoHS Compliant:

Yes (-2 Solder type only)

### Lead-Free Solderable:

Yes

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



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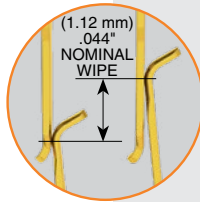
## STANDARDS

- VITA 47
- VITA 57.1 FMC
- VITA 57.4 FMC+
- VITA 74 VNX
- PISMO™ 2

Visit [www.samtec.com/standards](http://www.samtec.com/standards) for more information.

Mates with:  
SEAF, SEAFP

Standoffs:  
JSO



Low  
insertion/  
extraction  
forces

Up to 500  
Pins



Solder  
charges

## HIGH-SPEED CHANNEL PERFORMANCE

SEAF/SEAM @ 10 mm Mated Stack Height

Rating based on Samtec reference channel.  
For full SI performance data visit [Samtec.com](http://Samtec.com)  
or contact [SIG@samtec.com](mailto:SIG@samtec.com)

PAM 4

56  
Gbps

## OTHER SOLUTIONS

- Up to 560 pins

SEAM ■ NO. PINS PER ROW ■ LEAD STYLE ■ PLATING OPTION ■ NO. OF ROWS ■ SOLDER TYPE ■ A ■ K ■ "X"R

**-10, -15, -20, -30, -40, -50**  
(-10 only available in 04 row)  
(-15 is only available in 4 Row with -02.0 lead style and 10 row with any lead style)

Specify  
LEAD  
STYLE  
from  
chart

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

**-S**  
= 30 μ" (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)

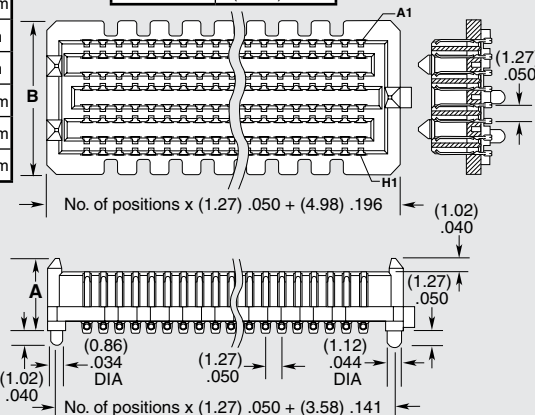
**-K**  
= Polyimide film Pick & Place Pad

**-TR**  
=Tape & Reel

**-FR**  
= Full Reel Tape & Reel Packaging  
(Must order max. quantities per reel. Contact Samtec for parts per reel)

SEAM LEAD STYLE	MATED HEIGHTS			
	SEAF LEAD STYLE			
	-05.0	-06.0	-06.5	-07.5
-02.0	7 mm	8 mm	8.5 mm	9.5 mm
-03.0	8 mm	9 mm	9.5 mm	10.5 mm
-03.5	8.5 mm	9.5 mm	10 mm	11 mm
-06.5	11.5 mm	12.5 mm	13 mm	14 mm
-07.0	12 mm	13 mm	13.5 mm	14.5 mm
-09.0	14 mm	15 mm	15.5 mm	16.5 mm
-11.0	16 mm	17 mm	17.5 mm	18.5 mm

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



LEAD STYLE	A
-02.0	(5.61) .221
-03.0	(6.60) .260
-03.5	(7.11) .280
-06.5	(10.16) .400
-07.0	(10.59) .417
-09.0	(12.60) .496
-11.0	(14.61) .575

## POWER/SIGNAL APPLICATION



**Notes:**  
IPC-A-610F & IPC-J-STD-001F  
Class 3 solder joint.

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](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.  
Components must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.