

(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):

1.8 A per pin

(10 adjacent pins powered)

### Plating:

Au or Sn over

50 μ" (1.27 μm) Ni

Contact Resistance: 5.5 mΩ

Working Voltage: 240 VAC

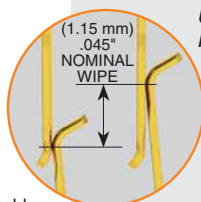
RoHS Compliant: Yes

Lead-Free Solderable: Yes

Mates with:  
SEAF, SEAFP

Note: Patented

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



Low insertion/extraction forces

Up to 500 Pins

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

Solder charges

## RECOGNITIONS

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



**Final Inch**  
CERTIFIED  
Patent Pending

28+  
Gbps

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

—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

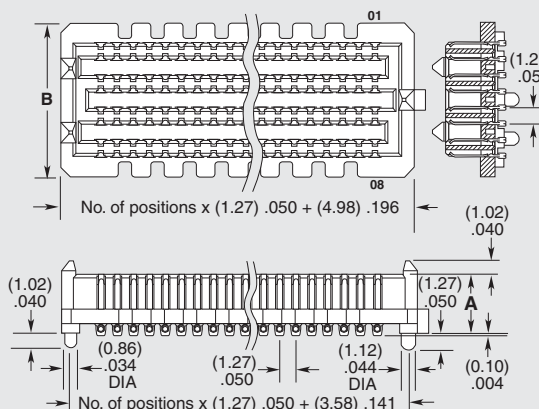
—2  
= Lead-Free  
Solder Charge

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

—K  
= Polyimide film  
Pick & Place Pad

—TR  
= Tape & Reel

| 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      | (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         |

| MATED HEIGHTS   |                 |         |         |
|-----------------|-----------------|---------|---------|
| SEAM LEAD STYLE | SEAF LEAD STYLE | —05.0   | —06.0   |
| —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 |

Industry  
Standards

PISMO 2  
VITA 47  
VITA 57

Protocols  
Supported

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Rapid I/O  
PCI Express®  
SATA  
InfiniBand™

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