

(1.27 mm) .050"

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

## SPECIFICATIONS

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

### 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

### Board Mates:

SEAM, SEAMP,  
SEAR, SEAMI

### Cable Mates:

SEAC

### Standoffs:

JSO, JSOM



## 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)

**34**  
Gbps

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

Low insertion/  
extraction  
forces

Solder  
charges

## RECOGNITIONS

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



FILE NO. E111594

## STANDARDS

- PISMO 2
- VITA 47
- VITA 57.1

## PROTOCOLS

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

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

**Notes:**  
Patented

IPC-A-610F and IPC J-STD-001F Class 3 solder joint.

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

SEAF	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	A	OPTION	K	TR
	-10, -15, -20, -30, -40, -50 (-10 only available in 04 row) (-15 only available in 04 or 10 row with -05.0 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 -05 = Five Rows -06 = Six Rows -08 = Eight Rows -10 = Ten Rows	-1 = Tin/Lead Alloy Solder Charge -2 = Lead-Free Solder Charge		-LP = Latch Post (-LP required for SEAC mate only) (Available with -05.0 lead style and -04, -06, -08 & -10 rows only)	-K = Polyimide film Pick & Place Pad (Not available with -10 and -15 pins with -LP Latch post)	

NO. OF ROWS	B
-04	(5.66) .223
-05, -06	(8.20) .323
-08	(10.74) .423
-10	(13.28) .523

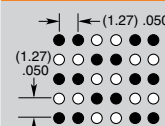
  

LEAD STYLE	A
-05.0	(5.05) .199
-06.0	(6.05) .238
-06.5	(6.55) .258

## ALSO AVAILABLE (MOQ Required)

- Polarization pin Contact Samtec.

## DIFFERENTIAL



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

