

SEAF-30-06.5-S-08-2-A

SEAF-30-05.0-S-08-2-A

# OPEN PIN FIELD ARRAY SEAF SERIES

## 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

### Current Rating:

2.7 A

### Operating Temp Range:

-55°C to +125°C

### Plating:

Au over 50µ" (1.27µm) Ni

### Contact Resistance:

5.5 mΩ

### Working Voltage:

240 VAC

### Mated Cycles:

100

### RoHS Compliant:

Yes

## Processing:

### Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

### Lead-Free Solderable:

Yes



Mates with:  
SEAM, SADL



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

\*Processing conditions will affect mated height.

Up to  
500 Pins

Lead-Free  
Solder  
Charge  
Terminations  
(Tin/Lead also  
available)

Low Insertion/  
Extraction Forces

## APPLICATION

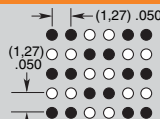
-05, -08 and -10 row footprint compatible with SamArray®. Samples recommended.

7mm Stack Height	Rated @ -3dB Insertion Loss
Single-Ended Signaling	5 GHz / 10 Gbps
Differential Pair Signaling	10.5 GHz / 21 Gbps

Performance data for other stack heights available at [www.samtec.com?SEAF](http://www.samtec.com?SEAF)



## DIFFERENTIAL APPLICATION



ARRAY	PAIR COUNT
50x10	125
50x8	100
40x10	100
40x8	80
40x6	60
30x10	75
30x8	60
30x6	45
20x10	50
20x8	40
20x10	25

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

SEAF	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	OPTION
	-20, -30, -40, -50	Specify LEAD STYLE from chart	-S = 30µ" (0.76µm) Gold on contact area, Matte Tin on solder tail	-04 = Four Rows  -05 = Five Rows (Lead Style -05.0 only)  -06 = Six Rows (Lead Style -05.0 only)  -08 = Eight Rows  -10 = Ten Rows	-2 = Lead-Free Tin Alloy 95.5% Sn/ 3.8% Ag/0.7% Cu Solder Charge	-A = Alignment Pins (Recommended. Arrays will not self-center on solder pads)  -K = Polyimide film Pick & Place Pad  -TR = Tape & Reel

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

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