

OPEN PIN FIELD ARRAY SEAF SERIES

SPECIFICATIONS

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

- Insulator Material:** Black LCP
- Contact Material:** Copper Alloy
- Operating Temp Range:** -55°C to +125°C
- Plating:** Au over 50µ" (1,27µm) Ni
- Contact Resistance:** 5.5 mΩ
- Working Voltage:** 240 VAC
- 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,
SEAC (Requires -LP)

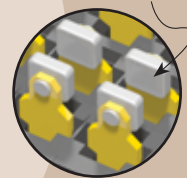


Up to 500 Pins

Low Insertion/
Extraction Forces

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

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



7mm Stack Height	Rated @ -3dB Insertion Loss
Single-Ended Signaling	9.5 GHz / 19 Gbps
Differential Pair Signaling	10.5 GHz / 21 Gbps

Performance data for other stack heights available at www.samtec.com?SEAF

CURRENT RATING	
AMBIENT TEMP	SEAM/SEAF
20°C	2.3A
40°C	2A
60°C	1.75A
95°C	1.14A

30 ADJACENT POSITIONS POWERED

Industry Standards
PISMO 2
VITA 47
VITA 57

Protocols Supported
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

SEAF - NO. PINS PER ROW - LEAD STYLE - PLATING OPTION - NO. OF ROWS - 2 - A - OPTION - K - TR

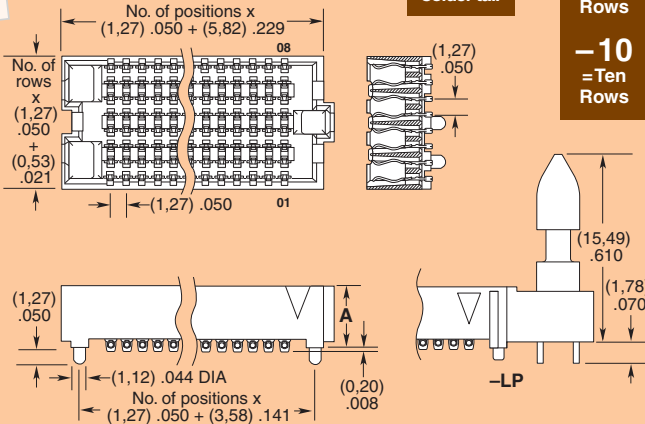
-15, -20, -30, -40, -50
Specify LEAD STYLE from chart
-L = 10µ" (0,25µm) Gold on contact area, Matte Tin on solder tail
-S = 30µ" (0,76µm) Gold on contact area, Matte Tin on solder tail
-04 = Four Rows
-05 = Five Rows
-06 = Six Rows
-08 = Eight Rows
-10 = Ten Rows
-2 = Lead-Free Tin Alloy 95.5% Sn/3.8% Ag/0.7% Cu Solder Charge
-LP = Latch Post (-LP required for SEAC mate only)

APPLICATION SPECIFIC OPTION
-07.5 lead style for 30x4 available. Call Samtec.

LEAD STYLE	A
-05.0	(5,05) .199
-06.0	(6,05) .238
-06.5	(6,55) .258

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

*Processing conditions will affect mated height.



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

Note: 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.