

(1,27 mm) .050"

SEAF SERIES

SEAF-30-05.0-S-08-2-A-LP-K-TR

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

HIGH SPEED/HIGH DENSITY OPEN PIN FIELD

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 or Sn over

50µ" (1,27 µm) Ni

Contact Resistance:
5.5 mΩ

Working Voltage:
240 VAC

RoHS Compliant:
Yes

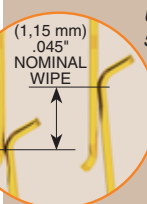
Lead-Free Solderable:
Yes



Mates with:
SEAM, SEAMP,
SEAR, SEAMI,
SEAC (Requires -LP)



PATENT PENDING



Low
Insertion/
Extraction
Forces

Up to
500 Pins

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

Solder
charges

SEAM/SEAF 7 mm Stack Height	Rated @ 3dB Insertion Loss	
	with PCB effects*	w/o PCB effects**
Single-Ended Signaling	9.5 GHz / 19 Gbps	12.5 GHz / 25 Gbps
Differential Pair Signaling	10.5 GHz / 21 Gbps	13 GHz / 26 Gbps

*Performance data includes effects of a non-optimized PCB.

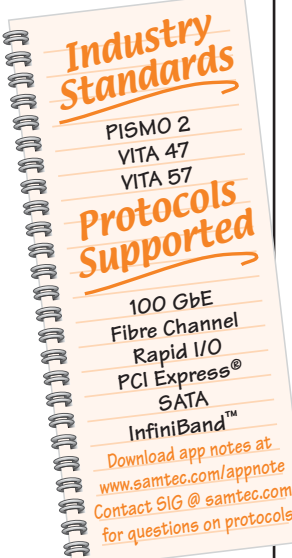
**Test board losses de-embedded from performance data.

Performance data for other stack heights and complete test data available at www.samtec.com?SEAF or contact sig@samtec.com

CURRENT RATING (PER CONTACT)

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

30 ADJACENT
POSITIONS POWERED



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 10 row)	Specify LEAD STYLE from chart	-L = 10µ" (0,25 µm) Gold on contact area, Matte Tin on solder tail -S = 30µ" (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

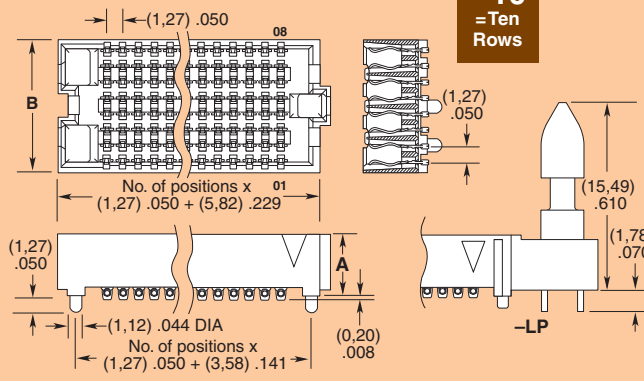
LEAD STYLE	A
-05.0	(5,05) .199
-06.0	(6,05) .238
-06.5	(6,55) .258



DIFFERENTIAL

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

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



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

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

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