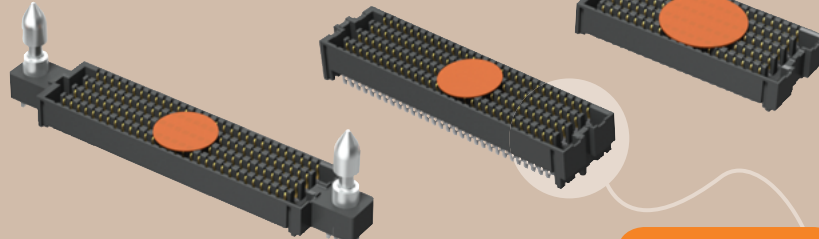


(1,27 mm) .050"

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

SEAF-20-05.0-S-10-2-A-K-TR

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



SEAF SERIES

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

Current Rating (7 mm stack height):

1.8 A per pin
(10 adjacent pins powered)

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

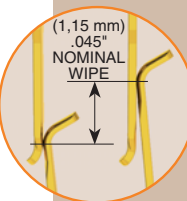
Mates with:
SEAM, SEAMP,
SEAR, SEAMI, SEAC

Note: Patented

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

E.L.P.
EXTENDED LIFE PRODUCT

10 year Mixed Flowing Gas with 30µ" Gold
Call Samtec for maximum mated cycles



Up to 500 Pins

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

Solder charges

Low Insertion/Extraction Forces

SEAM/SEAF 10 mm Stack Height	Rated @ 3dB Insertion Loss	
	w/o PCB effects*	
Single-Ended Signaling	18 GHz / 36 Gbps	
Differential Pair Signaling	18 GHz / 36 Gbps	

*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

Finalinch | 28+ Gbps
CERTIFIED | Patent Pending

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



Industry Standards

PISMO 2
VITA 47
VITA 57

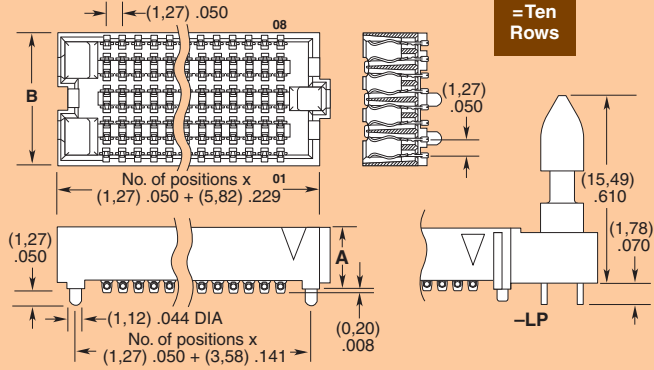
Protocols Supported

100 GbE
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	SOLDER TYPE	A	OPTION	K	TR
	-10, -15, -20, -30, -40, -50 (-10 only available in 04 row) (-15 only available in 10 row and -05.0 lead style)	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)	

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



DIFFERENTIAL

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

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

WWW.SAMTEC.COM