



(1,27 mm) .050"

SEAF-30-05.0-S-08-2-A-LP-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
50 μ'' (1.27 μm) Ni

Contact Resistance: 5.5 mΩ
Working Voltage: 240 VAC

RoHS Compliant: Yes

Lead-Free Solderable: Yes

RECOGNITIONS

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



FILE NO. E111594

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

Note: Patented

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

E.L.P.TM
EXTENDED LIFE PRODUCTS

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

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

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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
= 10 μ m
(0,25 μ m)
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.

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(MOQ Required)

- Polarization pin

Contact Samtec.

DIFFERENTIAL

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

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