



(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

Specify LEAD STYLE from chart

–10, –15, –20, –30, –40, –50
(–10 only available in 04 row)
(–15 only available in 10 row and –05.0 lead style)

NO. OF ROWS	B
–04	(5,66) .223
–05, –06	(8,20) .323
–08	(10,74) .423
–10	(13,28) .523

–L
= 10 μ m
(0,25 μ m)
Gold on contact area,
Matte Tin on solder tail

–S
= 30 μ m
(0,76 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)

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