

(1,27 mm) .050"

SEAF-RA SERIES

SEAF-20-01-L-04-2-RA-GP-TR

SEAF-20-01-L-06-2-RA-GP-TR

# HI-DENSITY RIGHT ANGLE OPEN PIN FIELD

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?SEAF-RA](http://www.samtec.com?SEAF-RA)

### Insulator Material:

Black LCP

### Contact Material:

Copper Alloy

### Current Rating:

2.1 A per contact with

4 adjacent contacts powered

### Operating Temp Range:

-55°C to +125°C

### Plating:

Au or Sn over

50µ" (1,27 µm) Ni

### Contact Resistance:

17.1 mΩ max

### Working Voltage:

280 VAC

### Mated Cycles:

100

### RoHS Compliant:

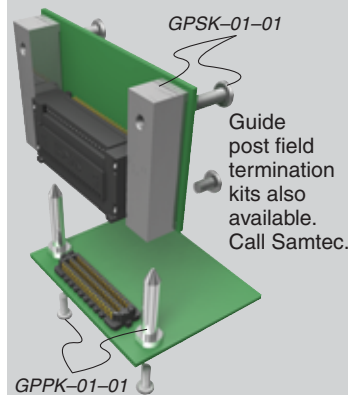
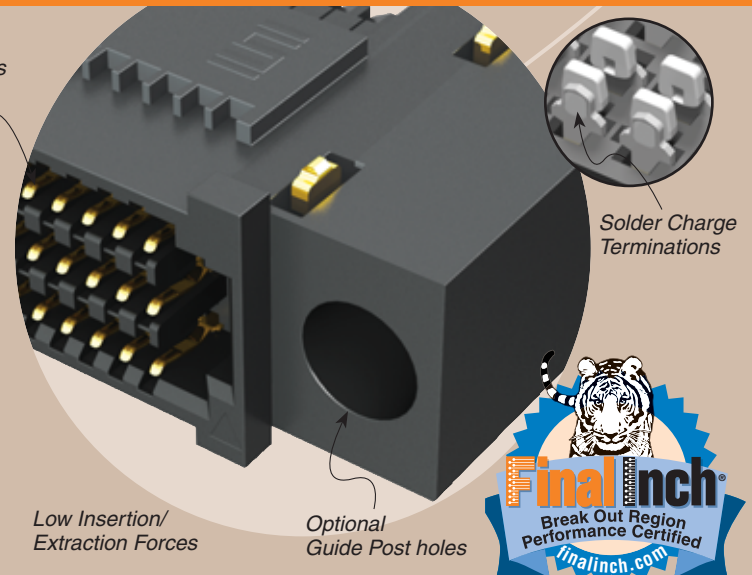
Yes

### Lead-Free Solderable:

Yes



## APPLICATION

Up to  
500 Pins

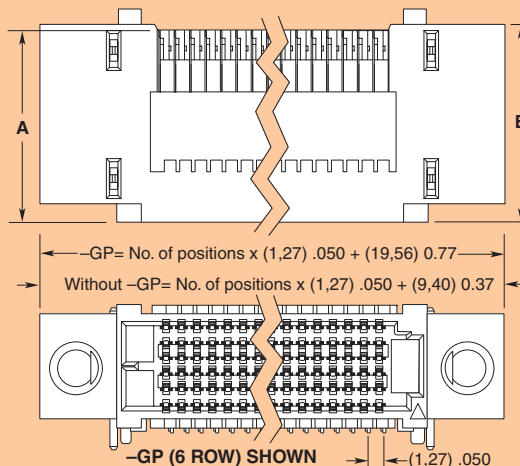
SEAF-RA/ SEAM-RA	Rated @ 3dB Insertion Loss	
	with PCB effects*	w/o PCB effects**
Single- Ended Signaling	5 GHz / 10 Gbps	12 GHz / 24 Gbps
Differential Pair Signaling	5.5 GHz / 11 Gbps	11 GHz / 22 Gbps

\*Performance data includes effects of a non-optimized PCB.  
\*\*Test board losses de-embedded from performance data.

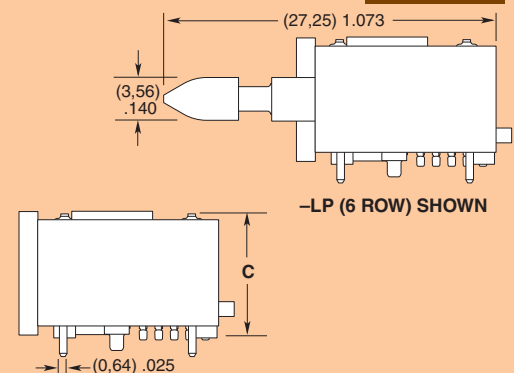
Complete test data available at [www.samtec.com?SEAF-RA](http://www.samtec.com?SEAF-RA) or contact [sig@samtec.com](mailto:sig@samtec.com)

SEAF	NO. PINS PER ROW	01	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	RA	OPTION	TR
	-20, -30, -40, -50		-L = 10µ" (0,25 µm) Gold on contact area, Matte Tin on solder tail	-04 = Four Rows -06 = Six Rows -08* = Eight Rows -10* = Ten Rows	-1 = Tin/Lead Alloy Solder Charge -2 = Lead-Free Solder Charge		-GP = Guide Post Hole -LP = Latch Post (06 row 30 positions only) (Mates to SEAC Series) -K = Polyimide film Pick & Place Pad	-TR = Tape & Reel

NO. OF ROWS	A	B	C
-04	(13,26) .522	(13,77) .542	(7,91) .311
-06	(15,80) .622	(16,31) .642	(10,45) .411
-08	(18,34) .722	(18,85) .742	(12,99) .511
-10	(20,88) .822	(21,39) .842	(15,53) .611



\*Note: Fixturing required to process eight and ten row options, see [www.samtec.com/searayfixture](http://www.samtec.com/searayfixture)



**Note:** Other Gold plating options available. Contact Samtec.

**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.

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