



SEARAY™

(1.27 mm) .050"

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

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

SEAF-RA SERIES

HI-DENSITY RIGHT-ANGLE OPEN-PIN-FIELD

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SEAF-RA

Insulator Material:

Black LCP

Contact Material:

Copper Alloy

Current Rating:

1.9 A per pin

(10 pins powered)

Operating Temp Range:

-55 °C to +125 °C

Plating:

Au or Sn over

50 μ" (1.27 μm) Ni

Working Voltage:

280 VAC

Mated Cycles:

100

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

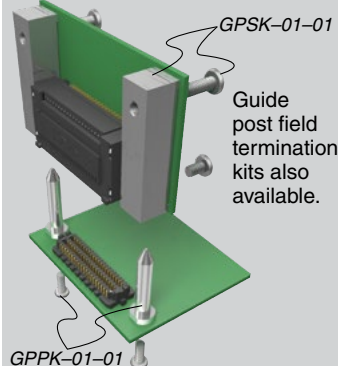
Board Mates:

SEAM, SEAMP

Cable Mates:

SEAC

OTHER SOLUTIONS



Up to 500 pins

Low insertion/
extraction forcesSolder charge
terminationsOptional
guide post
holes

HIGH-SPEED CHANNEL PERFORMANCE

SEAF-RA/SEAM-RA

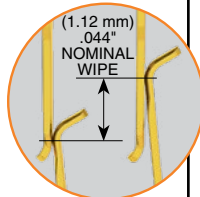
Rating based on Samtec reference channel.
For full SI performance data visit Samtec.com
or contact SIG@samtec.com

25

Gbps

RECOGNITIONS

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



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

SEAF	NO. PINS PER ROW	01	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	RA	OPTION	“X”R
-20, -30, -40, -50			-L = 10 μ" (0.25 μm) Gold on contact area, Matte Tin on solder tail -S = 30 μ" (0.76 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 = Standard Tape & Reel -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

A	B	C
(13.26) .522	(13.77) .542	(7.91) .311
(15.80) .622	(16.31) .642	(10.45) .411
(18.34) .722	(18.85) .742	(12.99) .511
(20.88) .822	(21.39) .842	(15.53) .611

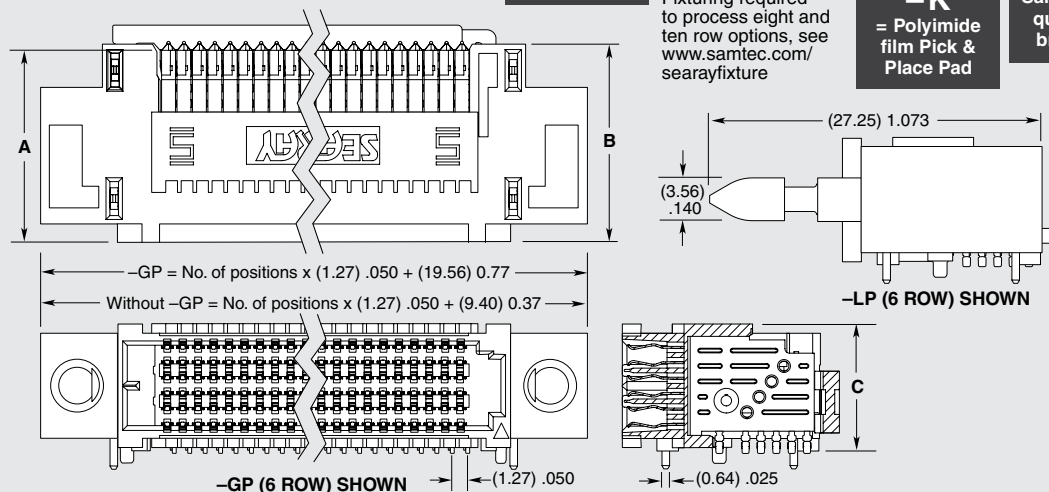


*Note:
Fixturing required
to process eight and
ten row options, see
[www.samtec.com/
searayfixt](http://www.samtec.com/searayfixt)

*Note:
Fixturing required to process eight and ten row options, see www.samtec.com/searayfixture

ALSO AVAILABLE (MOQ Required)

- Other platings



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.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.