

samtec

SEARAY™

OPEN PIN FIELD INTERCONNECTS

(1,27 mm) .050"

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

SEAM-30-02.0-L-04-2-A-GP-K-TR

SEAM-RA, SEAM-GP SERIES

HI-DENSITY RIGHT ANGLE OPEN PIN FIELD

SEAM-RA Mates with:
SEAF, SEAF-RA, SEAFP

SEAM-GP Mates with:
SEAF-RA-GP

SPECIFICATIONS

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

Insulator Material: Black LCP
Contact Material: Copper Alloy

Current Rating:
SEAM-RA = 2.0 A per pin
(6 adjacent pins powered)

Operating Temp Range:
-55°C to +125°C

Plating:

Au or Sn over
50µ" (1,27 µm) Ni

Contact Resistance:

SEAM-RA = 19 mΩ

SEAM-GP = 5.5 mΩ

Working Voltage:

SEAM-RA = 260 VAC

SEAM-GP = 240 VAC

Mated Cycles:

SEAM-GP = 100

RoHS Compliant: Yes

Lead-Free Solderable: Yes

RECOGNITIONS

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



SEAM	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 -S = 30µ" (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 -K = Polyimide film Pick & Place Pad	-TR = Tape & Reel

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

NO. PINS PER ROW	A
-20	(38,94) 1.533
-30	(51,64) 2.033
-40	(64,34) 2.533
-50	(77,04) 3.03

SEAM-RA/SEAF-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?SEAM-RA or contact sig@samtec.com

SEAM	NO. PINS PER ROW	02.0	PLATING OPTION	NO. OF ROWS	SOLDER TYPE	A	GP	K	TR
	-20, -30, -40, -50		-L = 10µ" (0,25 µm) Gold on contact area, Matte Tin on solder tail -S = 30µ" (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			-K = Polyimide film Pick & Place Pad -TR = Tape & Reel (Not available with 50 positions)	

Also Available (MOQ Required)

- Extended Guide Post
- Guide post Field termination kits
- Other platings

Contact Samtec.

Note: SEAM-GP Patented

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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