

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.

WWW.SAMTEC.COM

SAMTEC USA • Tel: +1-800-SAMTEC-9 or +1-812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: +1-408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: +1-800-726-8329
 SAMTEC SOUTH AMERICA • Tel: +55 31 3786 3227 SAMTEC UNITED KINGDOM • Tel: +44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
 SAMTEC FRANCE • Tel: +33 1 60 95 06 60 SAMTEC ITALY • Tel: +39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46 8 4477280 SAMTEC BENELUX • Tel: +44 01236 739292
 SAMTEC ISRAEL • Tel: +972 3 7526600 SAMTEC INDIA • Tel: +91 80 3272 1612 SAMTEC ANZ • Tel: +613 9580 0683 SAMTEC SINGAPORE • Tel: +65 6745 5955 SAMTEC JAPAN • Tel: +81 45 475 1385
 SAMTEC SHANGHAI • Tel: +86 21 6083 3766 SAMTEC SHENZHEN • Tel: +86 755 83776780 SAMTEC TAIWAN • Tel: +886 2 2735 6109 SAMTEC HONG KONG • Tel: +852 26904658 SAMTEC KOREA • Tel: +82 31 717 5685