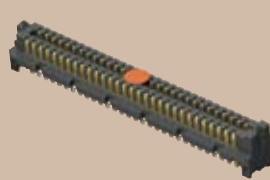




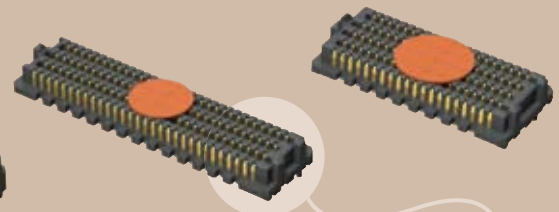
SEAM-20-02.0-S-10-2-A-K-TR

(1,27mm) .050"

SEAM SERIES



SEAM-30-03.5-S-04-2-A-K-TR



SEAM-30-02.0-S-08-2-A-K-TR

HIGH SPEED/HIGH DENSITY OPEN PIN FIELD

SPECIFICATIONS

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

Insulator Material:

Black LCP

Contact Material:

Copper Alloy

Solder Charge:

95.5% Sn, 3.8% Ag, 0.7% Cu

(Tin/Lead also available. Call Samtec.)

Operating Temp Range:

-55°C to +125°C

Plating:

Au or Sn over 50µ" (1,27µm) Ni

Contact Resistance:

5.5 mΩ

Working Voltage:

240 VAC

RoHS Compliant:

Yes

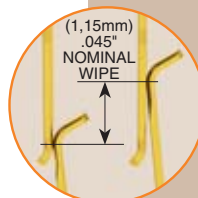
Lead-Free Solderable:

Yes



FILE NO. E111594

Mates with:
SEAF, SEAFP



Up to 500 Pins

5, 8 and 10 row footprint compatible with SamArray®. Samples recommended.

Solder charges

Low Insertion/
Extraction Forces

7mm Stack Height	Rated @ 3dB Insertion Loss
Single-Ended Signaling	9.5 GHz / 19 Gbps
Differential Pair Signaling	10.5 GHz / 21 Gbps

Performance data for other stack heights and complete test data available at www.samtec.com?SEAM or contact sig@samtec.com

CURRENT RATING	
AMBIENT TEMP	SEAM/SEAF
20°C	2.3A
40°C	2A
60°C	1.75A
95°C	1.14A
30 ADJACENT POSITIONS POWERED	

Industry Standards

PISMO 2
VITA 47
VITA 57

Protocols Supported

Fibre Channel
Rapid I/O
PCI Express®
SATA
Infiniband

Download app notes at:
www.samtec.com/appnote
Contact SIG @ samtec.com
for questions on protocols

SEAM - NO. PINS PER ROW - LEAD STYLE - PLATING OPTION - NO. OF ROWS - SOLDER TYPE - A - K - TR

-10, -15, -20,
-30, -40, -50
(-10 only available in 04 row)
(-15 only available in 10 row)

Specify
LEAD
STYLE
from
chart

-L
= 10µ"
(0,25µm)
Gold on
contact area,
Matte Tin on
solder tail

-S
= 30µ"
(0,76µm)
Gold on
contact area,
Matte Tin on
solder tail

-04
= Four Rows
(-06.5 not
available)

-05
= Five Rows
(-06.5 not
available)

-06
= Six Rows
(-06.5 not
available)

-08
= Eight Rows

-10
= Ten Rows

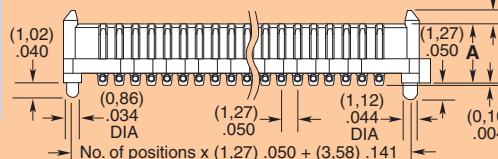
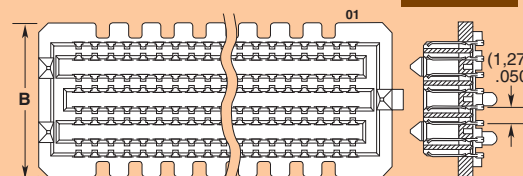
-2
= Lead-Free
Solder
Charge

-A
= Alignment Pins
(Required. Arrays
will not self-center
on solder pads)

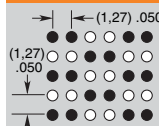
-K
= Polyimide film
Pick & Place Pad

-TR
= Tape & Reel

NO. OF ROWS	B
-04	(7,06) .278
-05, -06	(9,60) .378
-08	(12,14) .478
-10	(14,68) .578



DIFFERENTIAL



ARRAY	PAIR COUNT
50x10	125
50x8	100
40x10	100

ARRAY	PAIR COUNT
40x8	80
40x6	60
30x10	75
30x8	60
30x6	45
20x10	50
20x8	40
20x5	25

Note: Some sizes, styles and options are non-standard, non-returnable.

MATED HEIGHTS	
SEAM LEAD STYLE	SEAF LEAD STYLE
	-05.0 -06.0 -06.5 -07.5
-02.0	7mm 8mm 8.5mm 9.5mm
-03.0	8mm 9mm 9.5mm 10.5mm
-03.5	8.5mm 9.5mm 10mm 11mm
-06.5	11.5mm 12.5mm 13mm 14mm
-07.0	12mm 13mm 13.5mm 14.5mm
-09.0	14mm 15mm 15.5mm 16.5mm
-11.0	16mm 17mm 17.5mm 18.5mm

LEAD STYLE	A
-02.0	(4,60) .181
-03.0	(5,59) .220
-03.5	(6,10) .240
-06.5	(6,40) .252
-07.0	(9,60) .378
-09.0	(11,60) .457
-11.0	(13,60) .535

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 812-944-6733 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292
SAMTEC ISRAEL • Tel: 972-3-7526600 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-6083 3766
SAMTEC TAIWAN • Tel: 886-2-2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9580 0683

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[SEAM-15-02.0-L-04-2-A-K-TR](#)