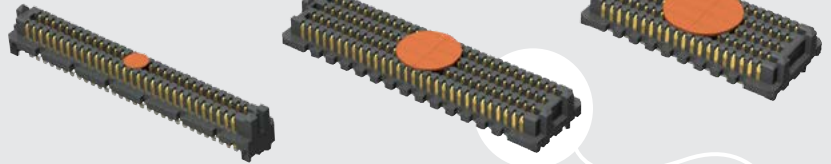




SEAM-20-02.0-S-10-2-A-K-TR

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



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

SEAM SERIES

(1.27 mm) .050"

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

Operating Temp Range: -55 °C to +125 °C

Current Rating (7 mm stack height): 1.8 A per pin (10 adjacent pins powered)

Plating: Au or Sn over 50 μ" (1.27 μm) Ni

Contact Resistance: 5.5 mΩ

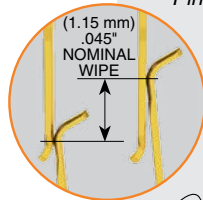
Working Voltage: 240 VAC

RoHS Compliant: Yes

Lead-Free Solderable: Yes

Mates with: SEAF, SEAFP

Standoffs: SO, JSO, JSOM



Up to 500 Pins

Low insertion/extraction forces

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

Solder charges



RECOGNITIONS

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



STANDARDS

- PISMO 2
- VISTA 47
- VISTA 57.1
- VISTA 57.4

PROTOCOLS

- 100 GbE
- Fiber Channel
- Rapid I/O
- PCI Express®
- SATA
- InfiniBand™

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

Notes: Patented

IPC-A-610F and IPC J-STD-001F Class 3 solder joint.

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



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

Specify LEAD STYLE from chart

NO. OF ROWS	B
-04	(7.06) .278
-05, -06	(9.60) .378
-08	(12.14) .478
-10	(14.68) .578

-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 (-06.5 not available)

-05 = Five Rows (-06.5 not available)

-06 = Six Rows (-06.5 not available)

-08 = Eight Rows

-10 = Ten Rows

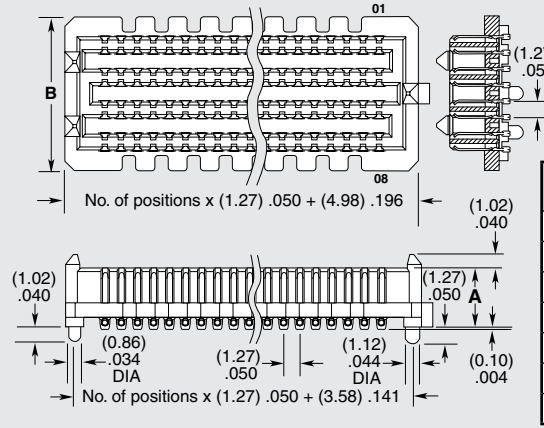
-1 = Tin/Lead Alloy Solder Charge

-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



LEAD STYLE	A
-02.0	(4.60) .181
-03.0	(5.59) .220
-03.5	(6.10) .240
-06.5	(9.14) .360
-07.0	(9.60) .378
-09.0	(11.60) .457
-11.0	(13.60) .535

DIFFERENTIAL

ARRAY	PAIR COUNT	ARRAY	PAIR COUNT
40x8	80	30x10	75
40x6	60	30x8	60
30x10	75	30x6	45
50x10	125	20x10	50
50x8	100	20x8	40
40x10	100	20x5	25

ALSO AVAILABLE (MOQ Required)

- Up to 560 pins Contact Samtec.