

(1.27 mm) .050"

SEAM SERIES

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):

2.7 A per pin
(10 adjacent pins powered)

Plating:

Au or Sn over

50 μ" (1.27 μm) Ni

Working Voltage:

240 VAC

RoHS Compliant:

Yes (-2 Solder type only)

Lead-Free Solderable:

Yes

RECOGNITIONS

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



FILE NO. E111594

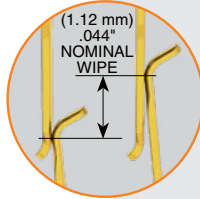
STANDARDS

- VITA 47
- VITA 57.1 FMC
- VITA 57.4 FMC+
- VITA 74 VNX
- PISMO™ 2

Visit www.samtec.com/standards for more information.

Mates with:
SEAF, SEAFP

Standoffs:
JSO



Low
insertion/
extraction
forces

Up to 500
Pins



Solder
charges

HIGH-SPEED CHANNEL PERFORMANCE

SEAF/SEAM @ 10 mm Mated Stack Height

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

PAM 4

56
Gbps

OTHER SOLUTIONS

- Up to 560 pins

SEAM ■ NO. PINS PER ROW ■ LEAD STYLE ■ PLATING OPTION ■ NO. OF ROWS ■ SOLDER TYPE ■ A ■ K ■ "X"R

-10, -15, -20, -30, -40, -50
(-10 only available in 04 row)
(-15 is only available in 4 Row with -02.0 lead style and 10 row with any lead style)

Specify
LEAD
STYLE
from
chart

-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)

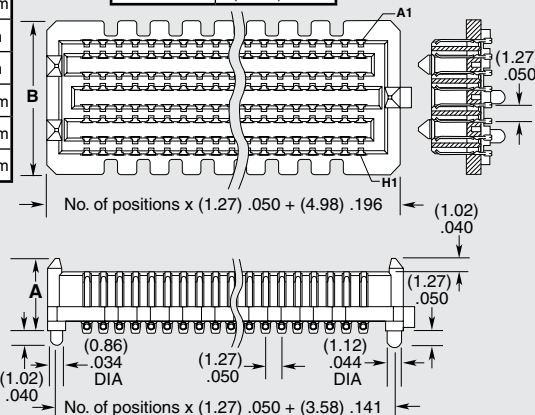
-K
= Polyimide film Pick & Place Pad

-TR
=Tape & Reel

-FR
= Full Reel Tape & Reel Packaging
(Must order max. quantities per reel. Contact Samtec for parts per reel)

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

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



LEAD STYLE	A
-02.0	(5.61) .221
-03.0	(6.60) .260
-03.5	(7.11) .280
-06.5	(10.16) .400
-07.0	(10.59) .417
-09.0	(12.60) .496
-11.0	(14.61) .575

POWER/SIGNAL APPLICATION



Compatible with UMPT/UMPS for flexible two-piece power/signal solutions

Notes:
IPC-A-610F & IPC-J-STD-001F Class 3 solder joint.

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.