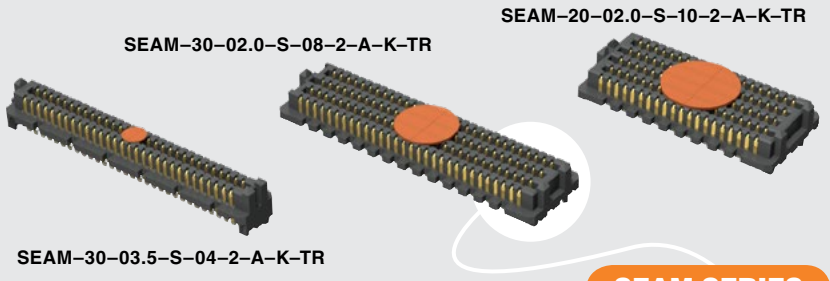
samtec

SEARAY™




**(1.27 mm) .050"**

**SEAM SERIES**

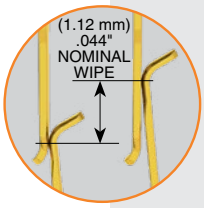
# HIGH-SPEED/HIGH-DENSITY OPEN-PIN-FIELD

## SPECIFICATIONS

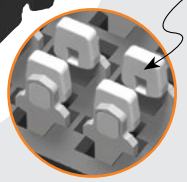
For complete specifications and recommended PCB layouts see www.samtec.com?SEAM

**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

**Mates with:**
SEAF, SEAFP
**Standoffs:**
JSO








## 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*

PAM4
56
Gbps

## OTHER SOLUTIONS

- Up to 560 pins

## RECOGNITIONS

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

FILE NO. E111594

## STANDARDS

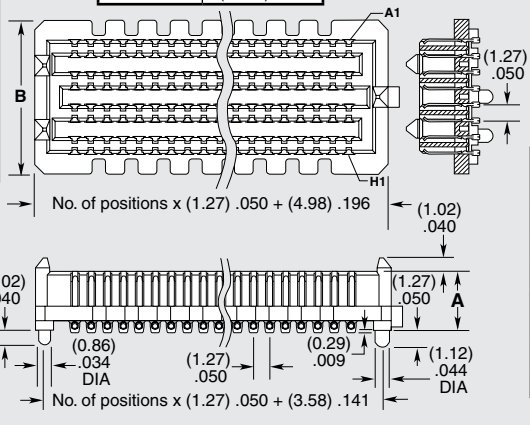
- VITA 47
- VITA 57.1 FMC
- VITA 57.4 FMC+
- VITA 74 VNX
- PISMO™ 2

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

| SEAM | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | NO. OF ROWS | SOLDER TYPE | A | K | "X"R |
|---|---|---|---|---|---|---|---|---|
| SEAM | –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<br>–S = 30 µ" (0.76 µm) Gold on contact area, Matte Tin on solder tail | –04 =Four Rows (–06.5 not available)<br>–05 =Five Rows (–06.5 not available)<br>–06 =Six Rows (–06.5 not available)<br>–08 =Eight Rows<br>–10 =Ten Rows | –1 = Tin/Lead Alloy Solder Charge<br>–2 = Lead-Free Solder Charge | –A = Alignment Pins (Required. Arrays will not self-center on solder pads)<br>–K = Polyimide film Pick & Place Pad<br>–TR =Tape & Reel<br>–FR = Full Reel Tape & Reel Packaging (Must order max. quantities per reel. Contact Samtec for parts per reel) | | |

| MATED HEIGHTS | | | | |
|---|---|---|---|---|
| SEAM LEAD STYLE | 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 | (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 |

## 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.

# Mouser Electronics

Authorized Distributor

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

Samtec:

SEAM-20-03.5-S-10-2-A-K-TR SEAM-30-02.0-S-06-2-A-K-TR SEAM-50-02.0-S-08-2-A-K-TR SEAM-20-03.5-S-08-2-A-K-TR SEAM-20-07.0-S-08-2-A-K-TR SEAM-50-02.0-L-10-2-A-K-TR SEAM-50-01-L-06-2-RA-GP-TR SEAM-50-02.0-L-10-2-A-GP-K-TR SEAM-20-11.0-S-06-2-A-K-TR SEAM-30-02.0-L-06-2-A-K-TR SEAM-50-11.0-S-06-2-A-K-TR SEAM-40-06.5-S-10-1-A-K-TR SEAM-40-02.0-S-04-2-A-K-TR SEAM-30-02.0-L-04-2-A-K-TR SEAM-40-07.0-S-10-2-A-K-TR SEAM-50-02.0-S-04-1-A-GP-K-TR SEAM-20-02.0-L-08-2-A-K-TR SEAM-40-11.0-L-10-1-A-K-TR SEAM-50-02.0-L-04-2-A-GP-K-TR SEAM-50-03.0-S-08-2-A-K-TR SEAM-30-02.0-S-08-2-A-K-TR SEAM-40-02.0-L-04-2-A-K-TR SEAM-20-01-L-06-2-RA-K-TR SEAM-40-02.0-L-04-2-A-GP-K-TR SEAM-20-02.0-L-04-2-A-GP-K-TR SEAM-30-02.0-L-04-2-A-GP-K-TR SEAM-50-02.0-S-10-2-A-K-TR SEAM-30-11.0-L-06-2-A-K-TR SEAM-20-11.0-S-08-2-A-K-TR SEAM-20-02.0-S-04-2-A-K-TR SEAM-10-03.5-L-04-2-A-K-TR SEAM-40-03.0-L-10-2-A-K-TR SEAM-40-06.5-L-10-2-A-K-TR SEAM-40-03.5-L-10-2-A-K-TR SEAM-20-02.0-S-06-2-A-K-TR SEAM-20-02.0-L-04-2-A-K-TR SEAM-30-03.5-S-10-2-A-K-TR SEAM-40-02.0-L-06-2-A-GP-K-TR SEAM-40-09.0-S-10-2-A-K-TR SEAM-20-03.0-S-08-2-A-K-TR SEAM-40-11.0-S-10-1-A-K-TR SEAM-30-03.5-S-06-2-A-K-TR SEAM-40-02.0-S-10-2-A-GP-K-TR SEAM-50-11.0-S-10-2-A-K-TR SEAM-40-02.0-L-06-2-A-K-TR SEAM-40-02.0-L-10-1-A-K-TR SEAM-40-11.0-S-08-2-A-K-TR SEAM-20-11.0-L-10-2-A-K-TR SEAM-30-02.0-S-08-1-A-K-TR SEAM-20-03.5-S-06-2-A-K-TR SEAM-40-02.0-S-10-2-A-K-TR SEAM-20-01-S-08-2-RA-K-TR SEAM-30-03.5-S-04-2-A-K-TR SEAM-40-03.5-S-06-2-A-K-TR SEAM-20-02.0-S-10-1-A-K-TR SEAM-30-02.0-L-08-2-A-K-TR SEAM-30-11.0-S-04-2-A-K-TR SEAM-50-02.0-S-08-1-A-K-TR SEAM-40-01-L-08-1-RA-TR SEAM-40-11.0-L-10-2-A-K-TR SEAM-40-01-S-10-2-RA-K-TR SEAM-20-02.0-S-04-1-A-K-TR SEAM-30-03.5-L-08-2-A-K-TR SEAM-30-02.0-S-06-1-A-K-TR SEAM-40-03.5-S-08-2-A-K-TR SEAM-40-06.5-S-10-2-A-K-TR SEAM-20-03.5-L-08-2-A-K-TR SEAM-40-11.0-L-06-2-A-K-TR SEAM-30-11.0-S-10-2-A-K-TR SEAM-30-03.0-S-06-2-A-K-TR SEAM-50-02.0-L-08-1-A-K-TR SEAM-10-02.0-S-04-1-A-K-TR SEAM-20-07.0-S-04-2-A-K-TR SEAM-20-11.0-S-10-2-A-K-TR SEAM-50-02.0-L-06-2-A-GP-K-TR SEAM-20-02.0-L-06-2-A-K-TR SEAM-10-02.0-L-04-1-A-K-TR SEAM-50-02.0-S-04-2-A-K-TR SEAM-40-03.0-S-04-2-A-K-TR SEAM-20-03.0-S-04-2-A-K-TR SEAM-50-11.0-S-08-2-A-K-TR SEAM-40-01-L-10-2-RA-K-TR SEAM-30-02.0-S-04-2-A-K-TR SEAM-40-02.0-S-08-2-A-K-TR SEAM-30-03.5-L-06-2-A-K-TR SEAM-30-07.0-S-08-2-A-K-TR SEAM-50-03.5-S-08-2-A-K-TR SEAM-40-03.0-S-06-2-A-K-TR SEAM-20-11.0-L-04-2-A-K-TR SEAM-20-02.0-S-08-2-A-K-TR SEAM-40-11.0-S-06-2-A-K-TR SEAM-40-02.0-L-10-2-A-K-TR SEAM-30-03.5-S-08-2-A-K-TR SEAM-30-03.5-L-04-2-A-K-TR SEAM-50-02.0-L-08-2-A-K-TR SEAM-30-02.0-S-10-2-A-K-TR SEAM-40-02.0-L-10-2-A-GP-K-TR SEAM-40-02.0-S-08-1-A-K-TR SEAM-50-11.0-L-10-2-A-K-TR SEAM-50-02.0-L-06-2-A-K-TR