


**SEARAY™**
**(1.27 mm) .050"**

SEAMP-20-02.0-L-04

SEAMP-20-02.0-L-06

**SEAMP SERIES**

# PRESS-FIT OPEN-PIN-FIELD ARRAY

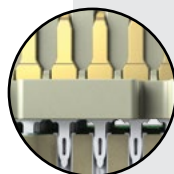
## SPECIFICATIONS

**Insulator Material:**  
Natural LCP  
**Contact Material:**  
Copper Alloy  
**Operating Temp Range:**  
-55 °C to +125 °C  
**Current Rating:**  
2.5 A per pin  
(6 adjacent pins powered)  
**Plating:**  
Au or Sn over  
50 μ" (1.27 μm) Ni  
**Working Voltage:**  
215 VAC  
**RoHS Compliant:**  
Yes

## RECOGNITIONS



**Mates with:**  
SEAF, SEAF-RA-GP

**EDGE  
RATE  
CONTACT**

 Press-fit  
tails

### HIGH-SPEED CHANNEL PERFORMANCE

 SEAMP/SEAF @ 7 mm  
Mated Stack Height

Rating based on Samtec reference channel.

**28**  
Gbps

 Three standard stack heights or  
mates with right-angle socket for  
micro backplane applications

 Large  
contact wipe

 (1.27mm) .050"  
pitch grid

 (1.40 mm)  
.055"  
NOMINAL  
WIPE

**SEAMP**
**NO. OF POSITIONS  
PER ROW**
**02.0**
**PLATING  
OPTION**
**NO. OF  
ROWS**
**OPTION**
**SEAMP**  
= Press-fit

**-10, -20, -30, -40, -50**

**-L**  
= 10 μ" (0.25 μm)  
Gold on  
contact area,  
Matte Tin on tail  
**-S**  
= 30 μ" (0.76 μm)  
Gold on  
contact area,  
Matte Tin on tail

**-04**  
= Four Rows  
**-06**  
= Six Rows  
**-08**  
= Eight Rows  
**-10**  
= Ten Rows

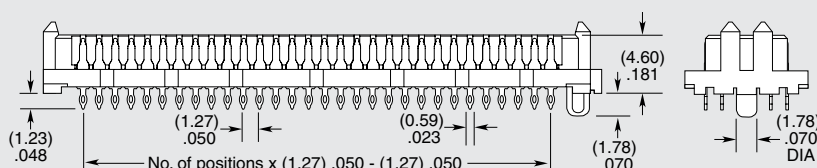
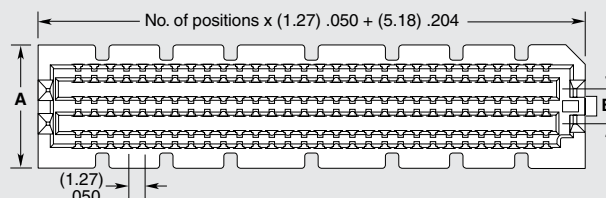
**-GP**  
= Guide  
Post  
(Mates with  
SEAF-RA-  
GP only)  
**-TR**  
= Tape  
& Reel

| SEAMP<br>LEAD<br>STYLE | MATED HEIGHTS*<br>SEAF LEAD STYLE |       |        |
|------------------------|-----------------------------------|-------|--------|
|                        | -05.0                             | -06.0 | -06.5  |
| -02.0                  | 7 mm                              | 8 mm  | 8.5 mm |

\*Processing conditions will affect mated height.

## ALSO AVAILABLE (MOQ Required)

- Other plating options
- 20 & 30 pins per row
- 04 & 06 rows



| NO. OF<br>ROWS | A               | B              |
|----------------|-----------------|----------------|
| -04            | (7.06)<br>.278  | (2.54)<br>.100 |
| -06            | (9.60)<br>.378  | (2.54)<br>.100 |
| -08            | (12.14)<br>.478 | (5.08)<br>.200 |
| -10            | (14.68)<br>.578 | (7.62)<br>.300 |

**Note:**  
Compliant pin fixture  
CAT-SEAMP-XX-XX.  
Patent Pending.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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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.