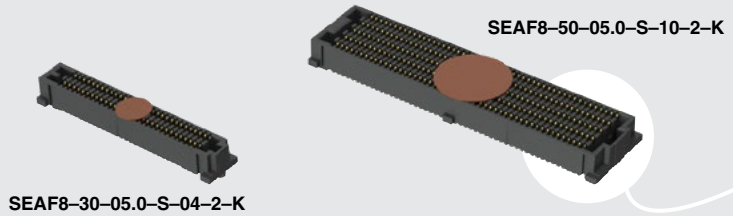




**SEARAY™**.8mm



(0.80 mm) .0315"

**SEAF8 SERIES**

# ULTRA-HIGH DENSITY OPEN-PIN-FIELD

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?SEAF8](http://www.samtec.com?SEAF8)

**Insulator Material:**  
Black LCP

**Contact Material:**  
Copper Alloy

**Plating:**  
Au or Sn over

50 μ" (1.27 μm) Ni

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

**Current Rating:**  
1.4 A per pin

(6 adjacent pins powered)

**Working Voltage:**  
220 VAC

**RoHS Compliant:**  
Yes

**Lead-Free Solderable:**  
Yes

Yes

**Board Mates:**  
SEAM8

**Cable Mates:**  
ESCA

**Standoffs:**  
JSO

**EDGE RATE®**  
CONTACT

4, 6, 8 and 10 rows

Signal Integrity optimized Edge Rate® contact

Lead-Free solder charge terminations

### HIGH-SPEED CHANNEL PERFORMANCE

SEAM8/SEAF8 @ 7 mm Mated Stack Height

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

**39**  
Gbps

Up to 500 I/Os

7 mm and 10 mm stack heights

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

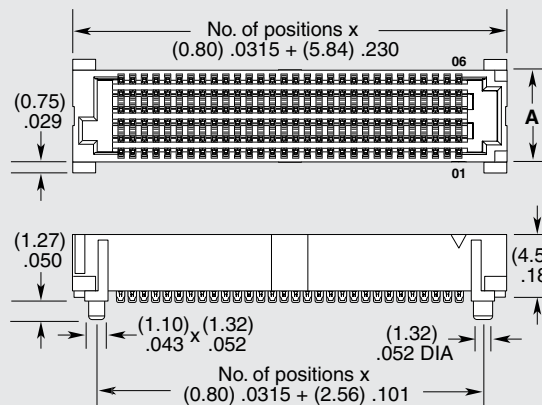
## ALSO AVAILABLE (MOQ Required)

- Other pin counts
- Contact Samtec.

<b>SEAF8</b>	<b>NO. PINS PER ROW</b>	<b>05.0</b>	<b>PLATING OPTION</b>	<b>NO. OF ROWS</b>	<b>SOLDER TYPE</b>	<b>K</b>
	<b>-10, -20, -30, -40, -50</b> (Standard sizes)		<b>-L</b> = 10 μ" (0.25 μm) Gold on contact area, Matte Tin on solder tail	<b>-04</b> = Four Rows <b>-06</b> = Six Rows <b>-08</b> = Eight Rows <b>-10</b> = Ten Rows	<b>-2</b> = Lead-Free Solder Charge	<b>-K</b> = Polyimide film Pick & Place Pad

MATED HEIGHT*		
SEAF8 LEAD STYLE	SEAM8 LEAD STYLE	
	-S02.0	-S05.0
<b>-05.0</b>	(7.00) .276	(10.00) .394

\*Processing conditions will affect mated height.



NO. OF ROWS	A
<b>-04</b>	(4.30) .169
<b>-06</b>	(6.30) .248
<b>-08</b>	(8.30) .327
<b>-10</b>	(10.30) .406

**Notes:**

Patent Pending

Tape & Reel packaging is standard.

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](http://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.