

(0.80 mm) .0315"

SEAF8 SERIES

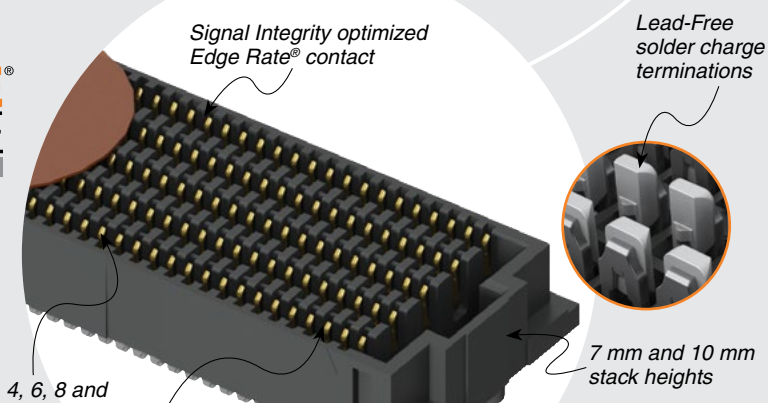
# ULTRA-HIGH DENSITY OPEN-PIN-FIELD

## 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:** 1.3 A per pin (10 adjacent pins powered)
- Working Voltage:** 220 VAC
- RoHS Compliant:** Yes
- Lead-Free Solderable:** Yes

- Board Mates:** SEAM8
- Cable Mates:** ESCA
- Standoffs:** JSO



**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)

|           |
|-----------|
| PAM4      |
| <b>56</b> |
| Gbps      |

## RECOGNITIONS

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



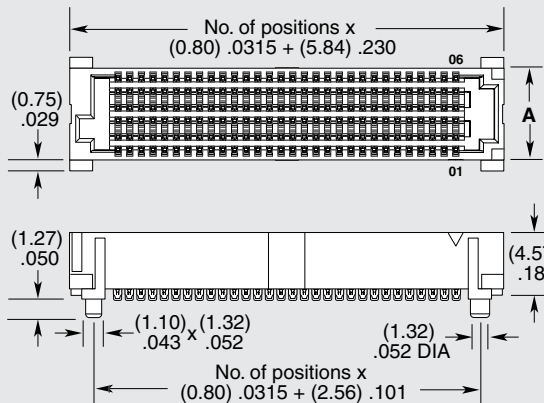
|              |  |             |  |   |  |  |
|--------------|--|-------------|--|---|--|--|
| <b>SEAF8</b> | <b>NO. PINS PER ROW</b>                            | <b>05.0</b> | <b>PLATING OPTION</b>  | <b>NO. OF ROWS</b>  | <b>SOLDER TYPE</b>                     | <b>K</b>                          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

## ALSO AVAILABLE (MOQ Required)

- Other pin counts
- Contact Samtec.

| MATED HEIGHT*    |                  |              |
|------------------|------------------|--------------|
| SEAF8 LEAD STYLE | SEAM8 LEAD STYLE |              |
|                  | -S02.0           | -S05.0       |
| -05.0            | (7.00) .276      | (10.00) .394 |

\*Processing conditions will affect mated height.



| NO. OF ROWS | A            |
|-------------|--------------|
| -04         | (4.30) .169  |
| -06         | (6.30) .248  |
| -08         | (8.30) .327  |
| -10         | (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.