



# ULTRA-HIGH DENSITY OPEN-PIN-FIELD ARRAYS

## SEARAY™ 0.80 mm PITCH SYSTEMS

- Up to 500 total Edge Rate® contacts on a 0.80 mm pitch; higher pin counts in development
- 2x the density of 1.27 mm pitch SEARAY™
- Edge Rate® contacts optimized for signal integrity performance
- 7 mm and 10 mm stack heights
- Maximum grounding and routing flexibility
- Right-angle socket available for perpendicular mating
- 34 AWG micro coax cable assembly with up to 300 contacts
- Optional rugged guide posts
- Lead-free solder charge terminations
- Compatible with mPOWER® for flexible two-piece power/signal solutions

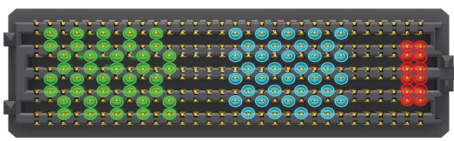
SEARAY™  
0.8mm



ESCA

SEAF8

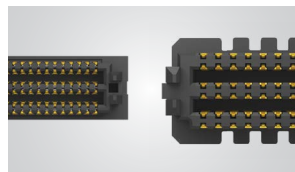
### OPEN-PIN-FIELD FLEXIBILITY



Differential Pair

Single-Ended

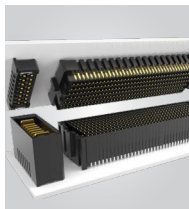
Power



0.80 mm pitch vs. 1.27 mm pitch



Jack screws standoffs (JSO)



Ultra micro power (UMPT/UMPS)

NRZ

28  
Gbps

PAM4

56  
Gbps

SEAF8 -RA

SEAM8

### System

- **SEAM8** – 0.80 mm Pitch Array Terminal
- **SEAF8-RA** – 0.80 mm Pitch Array Socket, Right-Angle
- **SEAF8** – 0.80 mm Pitch Array Socket
- **ESCA** – 0.80 mm Pitch Array Micro Coax Cable Assembly

For more High-Density Arrays and High-Speed Cable solutions, please visit [samtec.com/arrays](http://samtec.com/arrays) and [samtec.com/cable](http://samtec.com/cable)