



# OPEN-PIN-FIELD ARRAYS

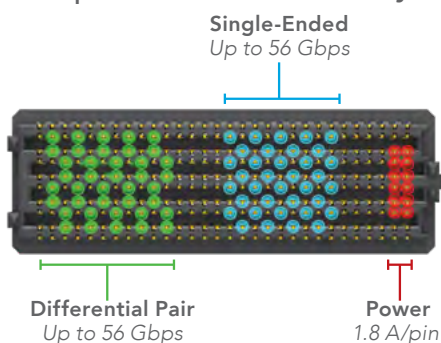
## SEARAY™ HIGH-SPEED/HIGH-DENSITY SYSTEMS

- .050" (1.27 mm) pitch grid for maximum routing flexibility
- Up to 560 single-ended I/Os or 140 differential pairs
- Rugged Edge Rate® contact system less prone to damage when "zippered" during unmating
- 7 to 40 mm stack heights
- Parallel, perpendicular, and coplanar applications
- Solder on each tail for ease of processing
- High-speed cable assemblies for 50 Ω or 100 Ω solutions
- Press-fit tails available
- VITA 57.1, VITA 57.4, VITA 74
- IPC-A-610F and IPC J-STD-001F Class 3 solder joint

# SEARAY™



### Open-Pin-Field Flexibility



PAM4

56  
Gbps

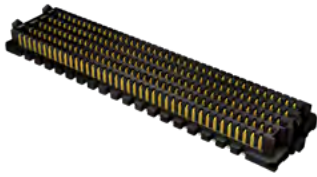
### SEARAY™ PRODUCTS

- **SEAM** – .050" Pitch Array Terminal
- **SEAF** – .050" Pitch Array Socket
- **SEAM-RA** – Right-angle, .050" Pitch Array Terminal
- **SEAF-RA** – Right-angle, .050" Pitch Array Socket
- **SEAMP** – Press-fit, .050" Pitch Array Terminal
- **SEAFP** – Press-fit, .050" Pitch Array Socket
- **SEAFP-RA** – Right-angle Press-fit, .050" Pitch Array Socket
- **SEAMI** – 85 Ω Tuned, .050" Pitch Array Terminal
- **SEAR** – Elevated Riser, .050" Pitch Array
- **SEAC** – .050" Pitch Array Cable Assembly

For more SEARAY™ solutions, please visit [www.samtec.com/searay](http://www.samtec.com/searay)

APRIL 2018

# SEARAY™ PRODUCT SOLUTIONS



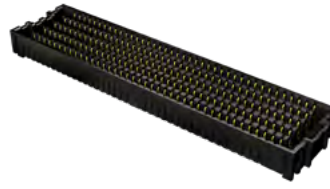
## SEAM

Open-Pin-Field Terminal  
56 Gbps PAM4 performance;  
stack heights from 7 to 18.5 mm



## SEAM-RA

Right-Angle Terminal  
25 Gbps performance;  
guide post option



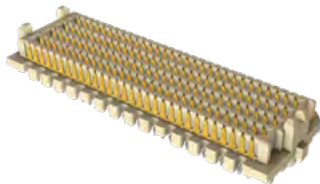
## SEAF

Open-Pin-Field Socket  
56 Gbps PAM4 performance;  
stack heights from 7 to 18.5 mm



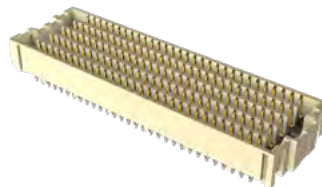
## SEAF-RA

Right-Angle Socket  
25 Gbps performance;  
latching post option



## SEAMP

Press-Fit Terminal  
28 Gbps performance;  
guide post option



## SEAFP

Press-Fit Socket  
Stack heights up to 16 mm



## SEAFP-RA

Right-Angle Press-Fit Socket  
Press-fit tails; guide post option



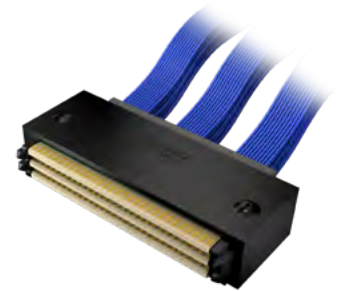
## SEAMI

85  $\Omega$  Tuned Terminal  
14 Gbps performance;  
stack heights up to 17.5 mm



## SEAR

Elevated Riser  
14 Gbps performance;  
elevated stack heights up to 40 mm



## SEAC

High-Speed Cable Assembly  
50  $\Omega$  coax or 100  $\Omega$  twinax cable with  
up to 10 rows and 500 I/Os

## ALSO AVAILABLE



## UBPT/UBPS

20 A Discrete Power Modules  
Press-fit, right-angle socket and vertical  
terminal with four 5 A positions (20 A total)



## JSO

Precision Board Stacking Jack Screw Standoffs  
Assists unmating and reduces risk for  
component damage on boards

For more SEARAY™ solutions, please visit [www.samtec.com/searay](http://www.samtec.com/searay)