



OPEN-PIN-FIELD ARRAYS

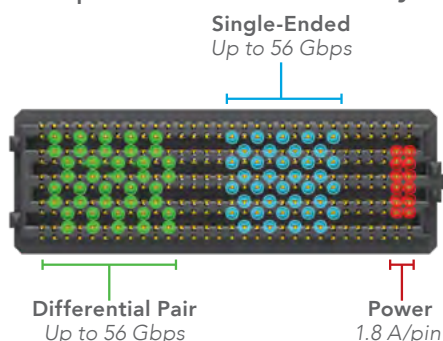
SEARAY™ HIGH-SPEED/HIGH-DENSITY SYSTEMS

- .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

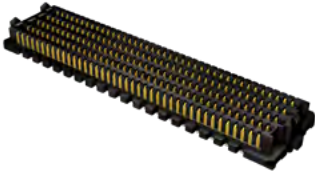
SEARAY™ PRODUCTS

- **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

APRIL 2018

SEARAY™ PRODUCT SOLUTIONS



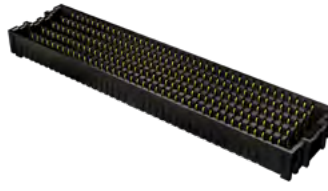
SEAM

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



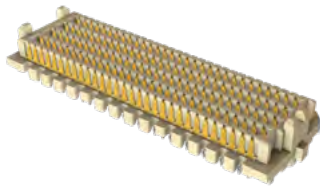
SEAF

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



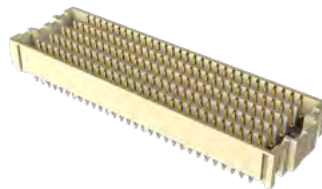
SEAF-RA

Right-Angle Socket
25 Gbps performance;
latching post option



SEAMP

Press-Fit Terminal
28 Gbps performance;
guide post option



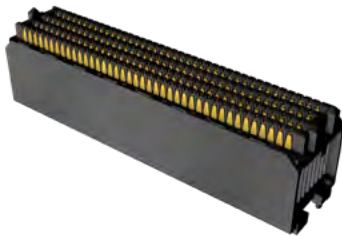
SEAFP

Press-Fit Socket
Stack heights up to 16 mm



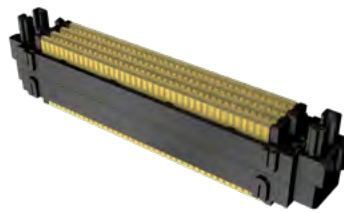
SEAFP-RA

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



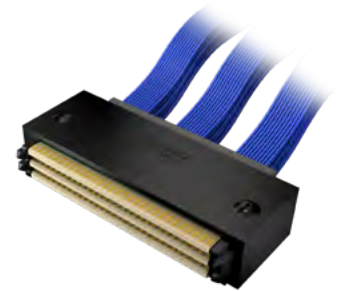
SEAMI

85 Ω 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 Ω coax or 100 Ω 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

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