OPEN-PIN-FIELD ARRAYS
SEARAY™ HIGH-SPEED/HIGH-DENSITY SYSTEMS

• .050" (1.27 mm) pitch grid for maximum grounding and 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; IPC-A-610F and IPC J-STD-001F Class 3 solder joint
• High-speed cable assemblies for 50 Ω or 100 Ω solutions
• Press-fit tails available
• VITA 47, VITA 57.1, VITA 57.4, VITA 74, PISMO™ 2

Open-Pin-Field Flexibility

Single-Ended

Differential Pair

Power

NRZ

PAM4

28 Gbps

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

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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
Guide post option

SEAMI
85 Ω Tuned Terminal
14 Gbps performance;
stack heights up to 17.5 mm

SEAC
High-Speed Cable Assembly
14 Gbps performance;
50 Ω coax or 100 Ω twinax cable
with up to 240 I/Os

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

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

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