

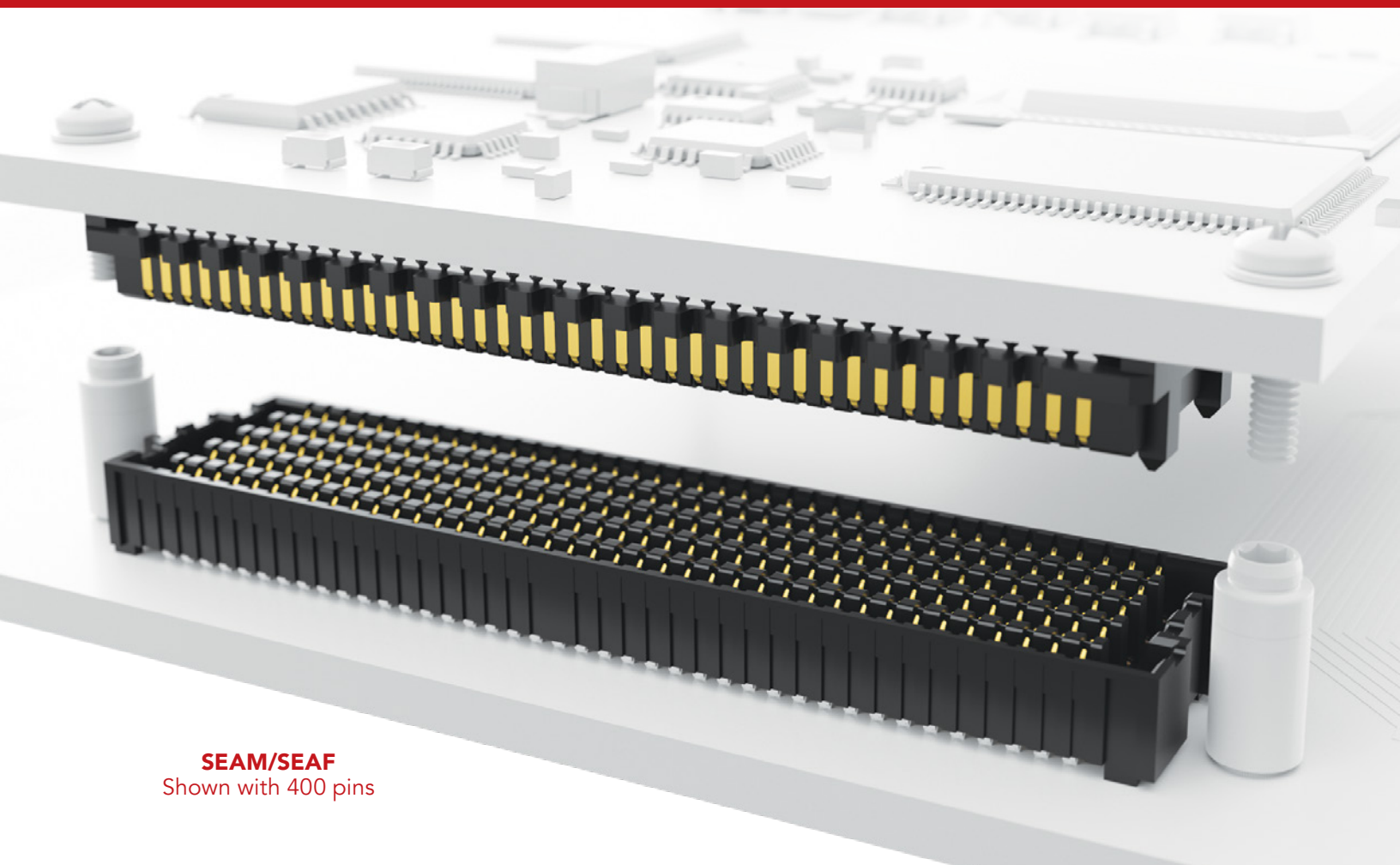


HIGH-DENSITY **ARRAYS**



HIGH-DENSITY ARRAYS

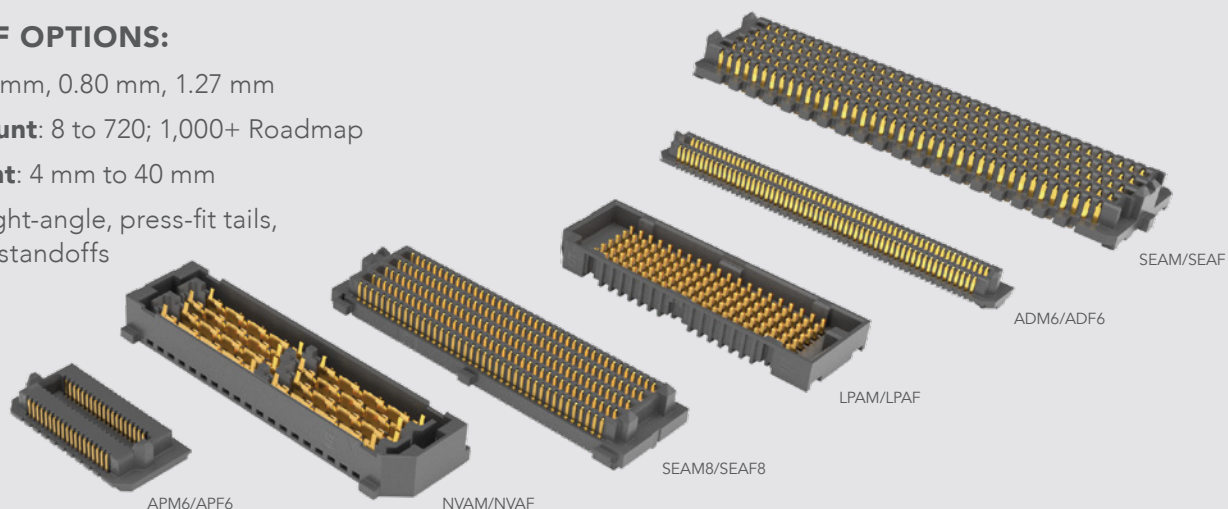
EXTREME PERFORMANCE • OPEN-PIN-FIELD • LOW-PROFILE



SEAM/SEAF
Shown with 400 pins

VARIETY OF OPTIONS:

- **Pitch:** 0.635 mm, 0.80 mm, 1.27 mm
- **Pin/Pair Count:** 8 to 720; 1,000+ Roadmap
- **Stack Height:** 4 mm to 40 mm
- **Options:** Right-angle, press-fit tails, 85 Ω tuned, standoffs



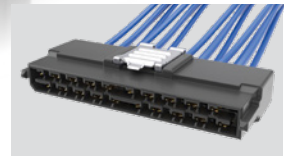
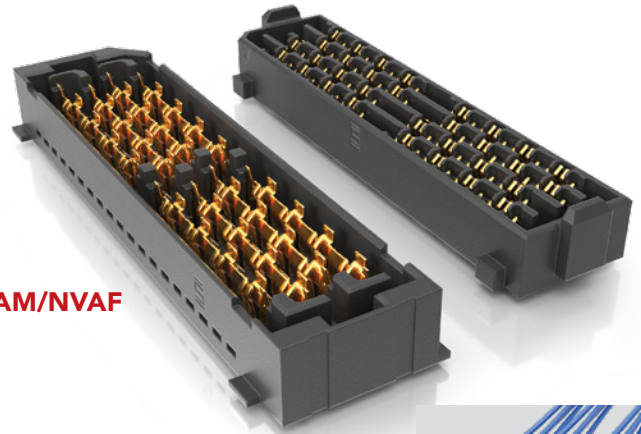
EXTREME PERFORMANCE ARRAYS

- 4.0 Tbps aggregate data rate - 9 IEEE 400G channels
- Two points of contact ensure a more reliable connection
- Fully shielded differential pair design
- Extremely low crosstalk (to 40 GHz) and incredibly tight impedance control
- Minimal variance in data rate as stack height increases
- Utilizes 40% less space with the same data throughput as compared to traditional arrays
- Terminal with latching available to mate with NovaRay® cable (NVAM-C)

NOVARAY®

NRZ	PAM4
56 Gbps	112 Gbps

NVAM/NVAF



Mating assembly with 34 AWG Eye Speed® ultra low skew twinax cable

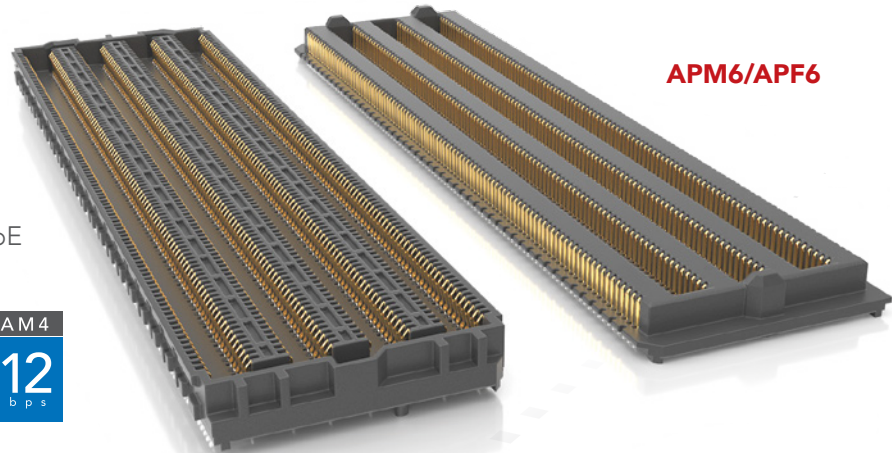
HIGH-PERFORMANCE ARRAYS

- Flexible open-pin-field and cost optimized, extreme performance solution
- Low-profile 5 mm stack height and up to 10 mm
- 0.635 mm pitch
- Four row design with up to 400 total pins; roadmap to 1,000+ pins
- Data rate compatible with PCIe® Gen 5 and 100 GbE
- Cable assembly in development

ACCELERATE®HP

NRZ	PAM4
56 Gbps	112 Gbps

APM6/APF6



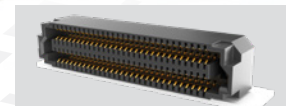
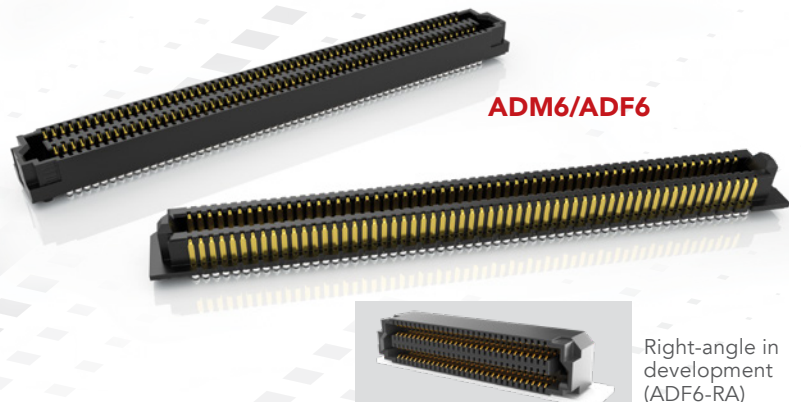
HIGH-DENSITY ARRAYS

- Up to 400 I/Os in a 4-row design
- Open-pin-field design for grounding and routing flexibility
- 0.635 mm pitch Edge Rate® contacts
- Low profile 5 mm stack height and slim 5 mm width
- Other stack heights in development

ACCELERATE®HD

PAM4
56 Gbps

ADM6/ADF6

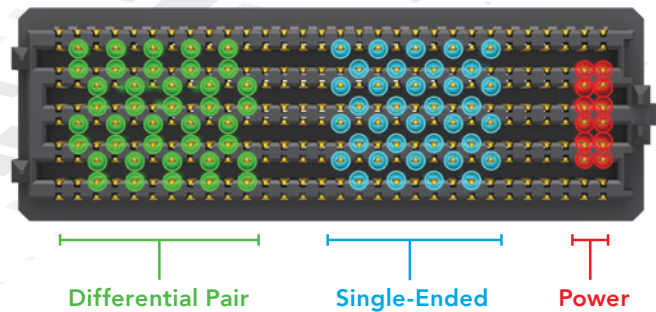


Right-angle in development (ADF6-RA)

1.27 mm PITCH ARRAYS

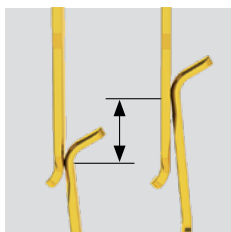
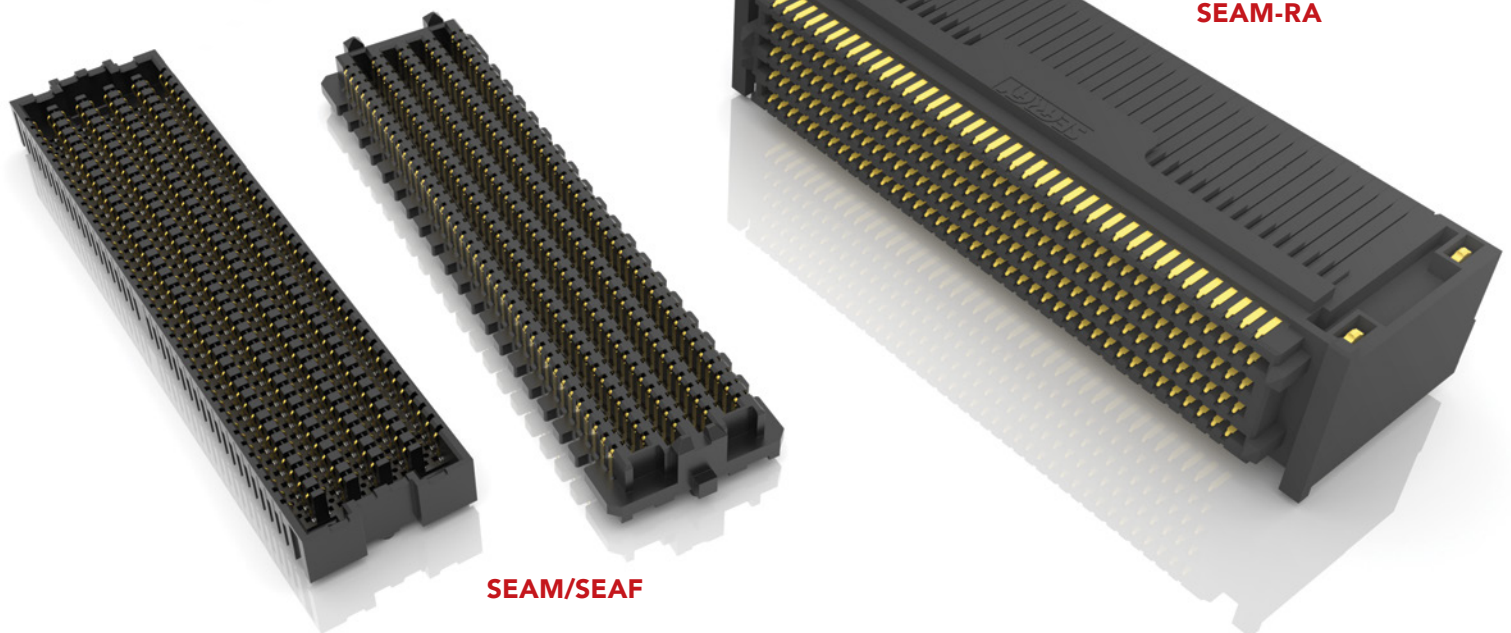
- Maximum grounding and routing flexibility
- Up to 560 Edge Rate® contacts optimized for signal integrity performance
- 7 mm to 40 mm stack heights; right-angle available
- Supports high-speed protocols such as Ethernet, PCI Express®, Fibre Channel and InfiniBand™

OPEN-PIN-FIELD FLEXIBILITY

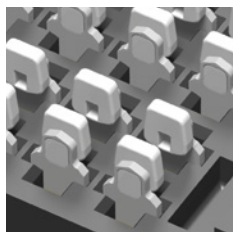


SEARAY™

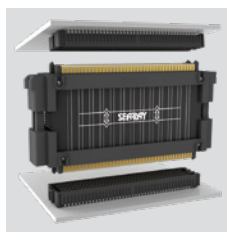
NRZ	PAM4
28 Gbps	56 Gbps



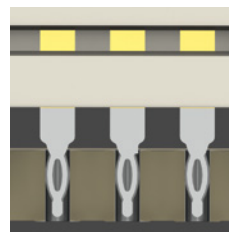
1.12 mm (.044")
contact wipe



Solder charge terminations
(IPC-A-610F & IPC J-STD-001F Class 3)



Elevated stack heights
available (SEAR)



Press-fit tails available
(SEAMP/SEAFP)

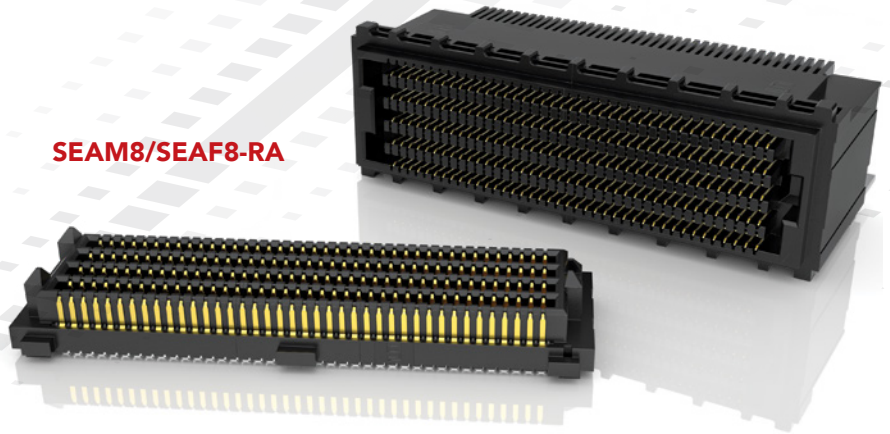


Jack screw
standoffs (JSO)

HIGH-DENSITY 0.80 mm PITCH ARRAYS

- 2x the density of 1.27 mm pitch arrays
- Up to 720 Edge Rate® contacts; higher pin counts in development
- 7 mm and 10 mm stack heights
- 2 mm extended wipe in development
- Jack screw standoffs available (JSO)

SEAM8/SEAF8-RA

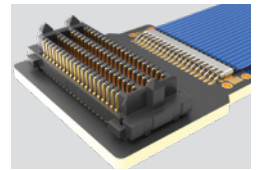


SEARRAY™.8mm

NRZ	PAM4
28 Gbps	56 Gbps



Lead-free solder charge terminations



Mating assembly with 34 AWG micro ribbon coax cable (ESCA)

LOW PROFILE ARRAYS

- Up to 400 total pins in 4, 6 or 8 rows
- 4 mm, 4.5 mm and 5 mm stack heights
- 1.27 mm pitch
- Solder crimped termination for ease of processing
- Press-in or threaded standoffs available to assist with unmating (JSO)

LPAM/LPAF



LPARRAY™

NRZ	PAM4
28 Gbps	56 Gbps



Dual blade contact with solder crimp tail



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