



## FLEXIBILITY

## PERFORMANCE

## DENSITY

Chameleon® sets a new standard for low-profile array products with industry leading flexibility, performance, and density in board-to-board applications. Originally conceived as a short lead-time commercial product, Chameleon has evolved into a highly flexible platform connector.

### FLEXIBILITY

With Chameleon, configurations have been tooled to mix-and-match commonly requested pin fields. There is minimal loss of performance between the 6mm and 10mm stack height offerings.

- Pin Field Flexibility: Differential, Single Ended, and/or Power (2.5A/contact) tooled configurations available
- Stack heights: 6mm and 10mm
- Configurable Design: Please contact the Product Manager for further details.

### PERFORMANCE

Speeds up to 25Gbps+. Utilizing contacts optimized for high speed differential and single ended signaling, Chameleon delivers a new level of performance unlike any other platform connector on the market today.

- Impedance: 100 ohms +/- at 10% for 6mm and 10mm models
- Frequency response
  - Differential insertion loss > -1 db up to 25 GHz
  - Differential far end cross talk < -30db up to 25 GHz
  - Differential near end cross talk < -30db up to 25 GHz
- Insertion loss
  - 6mm > - .4db up to 25 GHz
  - 10mm > -1db up to 25 GHz

### DENSITY

With use of patented lossy dielectric, we provide better contact density than any of the products in use today. This unmatched density still yields superior SI performance while offering the benefit of increased miniaturization.

- .9 x 1.35 mm in the space you determine
- Highly reliable BGA attachment
- Parallel board-to-board
- Pin Counts 40 – 500+; Pair counts 16 - 160



## This Changes Everything

Meeting the demand for a faster, smaller, and more compact connector solution, Chameleon advances to a new level of flexibility and performance. The use of patented lossy dielectric delivers unmatched density that yields superior SI performance and increased miniaturization. Chameleon fits in everywhere.

