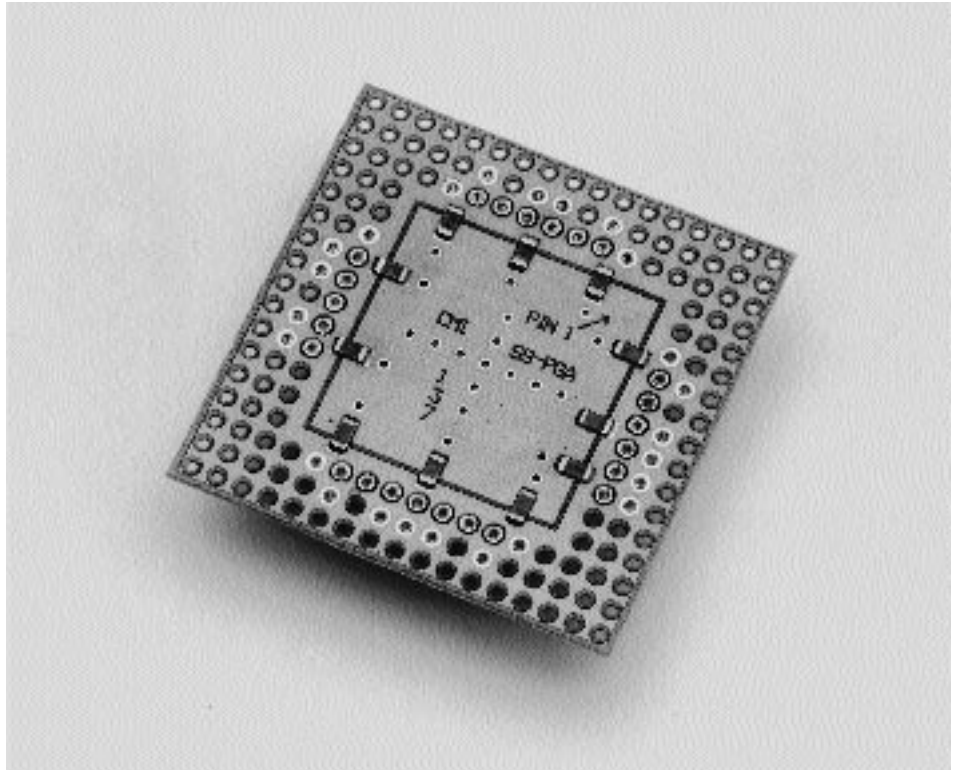


Silent Serpent SS-PGA High-Speed Decoupler

- Direct-to-all Vcc and Vss Lead Decoupling Allowing High-Speed Semiconductors to Achieve Maximum Performance for All MHz Ranges
- Patented Large Ground Plane Greatly Reduces Impedance and Inductance Levels Over Conventional and Surface Mount Decoupling Methods
- No Retrofit, Redesign, Additional Holes to Drill or Traces to Route. Drop Into Existing Device Holes on PC Board.
- Significant Reduction in PC Board Space Requirements is Achieved on New Designs
- Capacitance and Temperature Coefficients May Be Selected By the Customer



With the SSPGA-137 Silent Serpent device, all your Intel i960® CA/CF processor applications receive optimum high-speed performance not attainable with conventional discrete or standard SMT decoupling methods.

The Silent Serpent patented technology has a multitude of decoupling features.

Advances in semiconductor technology, combined with processing speeds of 25 MHz and beyond, require direct-to-all VCC and VSS lead decoupling as recommended by many semiconductor manufacturers.

Concept Manufacturing's patented Silent Serpent device is a direct-to-all VCC and VSS lead position decoupler for your Intel i960 CA/CF processor.

Proper decoupling technology can significantly reduce parasitic problems. The patented Silent Serpent device will minimize the effects of parasitic inductance, impedance and propagation delay by keeping the Icc loop as short as possible. If an additional independent ground plane is added to the common ground on the PC

board under the IC, the parasitic inductance and impedance is greatly reduced.

To receive the best performance from your high-speed fast-switching i960 CA/CF processor, use the industry's most effective decoupling device, through the patented technology of the Silent Serpent from Concept Manufacturing, Inc.

Also, ultra low insertion pin grid array precision screw machine pin sockets are available and manufactured by Concept Mfg. for the i960 processor products.

PROCESSORS SUPPORTED:
i960 CA/CF Processors

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For international contacts see Appendix B.

