

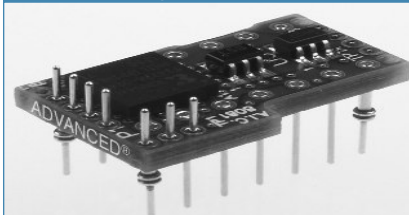
Features:

- Designed and produced to meet your specific mechanical and electrical requirements.
- Inclusion of passive components improves electrical performance and saves valuable PC board space.
- Enhanced sockets and adapters can be manufactured with single, double, and multi-layer circuitry.
- Standard and custom screw-machined terminals with several plating options.
- RoHS Compliant designs available.

Advanced Interconnections Corp. has been providing custom interconnect solutions for 25 years. We specialize in IC package conversion, custom adapter cards with device correction or enhancements, test fixture boards, and other application-specific solutions. Our experienced application engineers and in-house vertical integration allow for an economical custom solution that often lowers total system design costs by eliminating the need to redesign or scrap existing boards while adding functionality to the end product.

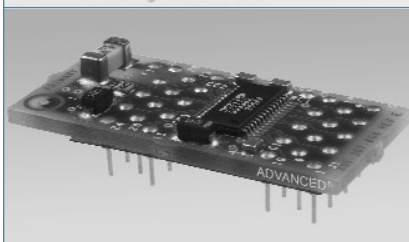
- State-of-the-art in-house Surface Mount Technology (SMT) factory
- Device-attach services available
- In-house tape-and-reel capability
- Automated optical inspection
- Accurate device placement with vision-equipped pick and place equipment
- Testing, packaging, and all other services available
- JIT and ship-to-stock programs available
- Contact customer service for custom design assistance and application support

Custom Adapters



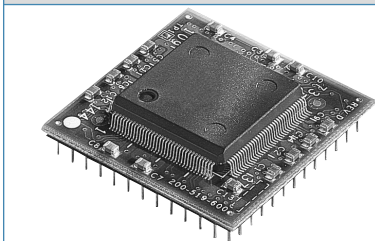
Product: [Enhanced Hybrid Adapter](#)

Description: Adapter features custom pin design with stand-offs, passive and active components, and 0.50mm pitch BGA package device attach.



Product: [Enhanced Hybrid Adapter](#)

Description: Custom adapter used to terminate lines going from a board to a back panel. Design includes both active and passive components including a custom semiconductor, resistors, and capacitors.



Product: [IC Package Conversion Adapter](#)

Description: PQFP device to PGA footprint adapter designed with resistors and capacitors to add functionality.

Interposer



Product: [Lead-free to Tin/Lead BGA Interposer](#)

Description: Maintain existing board profiles in RoHS Exempt applications when BGA devices change to lead-free packages. Custom interposer features eutectic Tin/Lead solder ball terminals which match existing board layout and solder profiles.

See page 14 for more information.

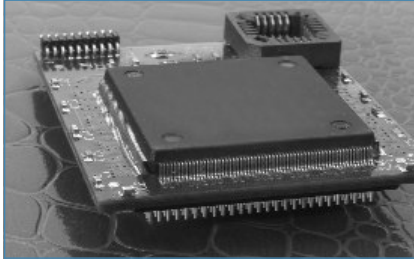


5 Energy Way, West Warwick, RI 02893 USA
Tel: 800.424.9850 | 401.823.5200
Fax: 401.823.8723
info@advanced.com | www.advanced.com
Catalog 16A

Products shown covered by patents issued and/or pending. Specifications subject to change without notice.

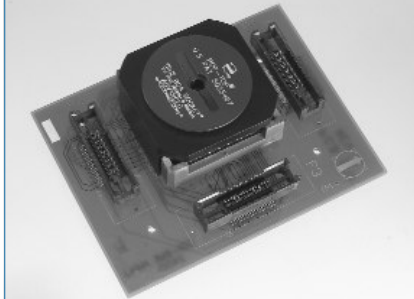
inch/(mm)

Custom Connectors



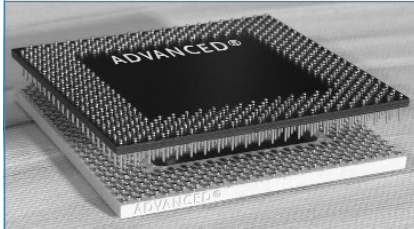
Product: Custom Adapter Board

Description: This adapter board (daughter card) design includes a controller chip and cable assembly, without modifications to the signal integrity of the original chip. These enhancements allowed existing boards to be modified easily and cost-effectively, both for their original purpose and for new applications, adding options for customers in new target markets.



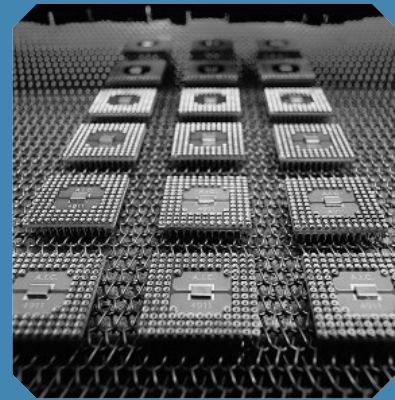
Product: Test Fixture Board

Description: To enable faster testing of chips without having to solder them to adapters, Advanced developed an application-specific multilayer FR-4 test fixture board, incorporating a combination of three cable-to-board connectors to interface with the test system and an adaptation of our True BGA Socket™ into which the chip packages are inserted for testing.



Product: Surface Mount PGA Connector

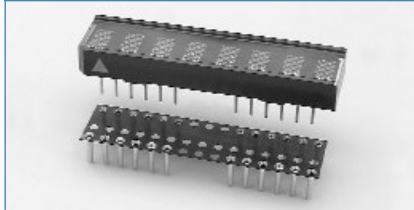
Description: This surface mount, interstitial pin grid array (PGA) connector enables boards to be produced with fewer layers due to SMT design, eliminates the need for plated through holes, provides a corporate test board solution, and allows for more efficient, cost-effective production.



State-of-the-Art Design and Manufacturing Capabilities

- Excellon Drilling/Routing Machines
- Star Micronics CNC Swiss Type Screw Machine
- Nissei Precision Injection Molding Machines
- Matsui Dehumidifying Dryer
- Custom Automated Optical Inspection Vision System
- X-Ray Capability
- GenRad Tester

Custom Sockets



Product: Custom LED Socket

Description: Allows LED to be plugged in after board is processed in a lead-free profile.

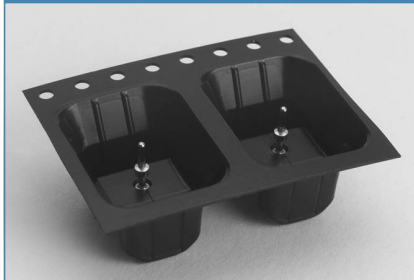
Protects device from damage caused by high temperature processing.



Product: Custom 6 Position Peel-A-Way® Socket

Description: This custom flex circuit socket features solder preform terminals in our patented Peel-A-Way® Removable Terminal Carrier. The design eliminated the need for hand loading terminals and wave soldering while meeting a low-profile specification and allowing complete solder joint visibility.

Custom Terminals



Product: Custom Test Point Pins

Description: To reduce assembly time and injuries to employees who sometimes pierced their fingers on sharp test pins (square, pointed stick type) during hand loading and subsequent board handling, a leading OEM asked Advanced to design a safer, more cost-effective solution. A custom, screw-machined test point pin featuring a cylindrical design with rounded head and solder preform was supplied in tape and reel packaging.



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