



## Press Contact

Practical Components Inc.

10867 Portal Drive

Los Alamitos, CA 90720

714-252-0010

Fax: 714-252-0026

E-mail: [klaphen@practicalcomponents.com](mailto:klaphen@practicalcomponents.com)

Web site: [www.practicalcomponents.com](http://www.practicalcomponents.com)

**FOR IMMEDIATE RELEASE**

## **Practical Components Expands Line-up For FusionQuad®**

### **New Thermal Cycle and Drop Test Lead Free Kits**

Practical Components has added new Thermal Cycling and Drop test boards and kit for Amkor's *FusionQuad*® components.

Thermal Cycling is a diagnostic test for electronic assemblies. The test is severe on solder joints that are under both compressive and tensile strain during cycling as a result of differential thermal expansion.

The Board Level Drop Test Method is intended to evaluate and compare drop performance of the *FusionQuad*® component for handheld electronic product applications in an accelerated test environment where excessive flexure of a circuit board causes product failure.

The purpose of these boards is to standardize the test board and test methodology to provide a reproducible assessment of performance of *FusionQuad*® components while duplicating the failure modes normally observed during product level test.

Amkor's *FusionQuad*® represents a breakthrough in leadframe-based plastic packaging through the effective integration of ExposedPad TQFP / LQFP, ExposedPad TQFP and MLF® technologies. *FusionQuad*® not only extends the I/O range of classic leadframe packaging to nearly 400 unique pins, it also delivers an approximate 50% reduction in package size for a given leadcount. Additionally, *FusionQuad*® provides excellent RF Electrical Package Characterization, electrical

The new *FusionQuad*® Test Kits allows customers to conduct valuable process testing on new technology components. Customers are encouraged to visit the Practical Components website at [www.practicalcomponents.com](http://www.practicalcomponents.com) or Amkor website at [www.amkor.com](http://www.amkor.com) for additional technical information regarding Amkor *FusionQuad*® components.

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### **About Practical Components®**

Since 1996, Practical Components has been the world's leading supplier of dummy components, which are the exact mechanical equivalents of live components, used when only the physical properties of the components are required. These components can cost as much as 80% less than live components, making them ideal for testing of solder processes, machine setup and other process evaluations. Practical Components is headquartered in Los Alamitos CA and has a worldwide distribution network. For more information, visit [www.practicalcomponents.com](http://www.practicalcomponents.com).

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