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FOR IMMEDIATE RELEASE

## **Practical Components to Debut New Test Board for .33 mm Dummy CVBGA Test Vehicle at the IPC APEX Expo**

**LOS ALAMITOS, CA — January 2012** — Practical Components Inc., a leading supplier of dummy components, will feature its new Amkor PoP stacked packages, including the new TMV PoP, along with its full line of dummy component packages in Booth #538 at the upcoming IPC APEX Expo, scheduled to take place February 28 - March 1, 2012 at the San Diego Convention Center in California.

Practical Components will introduce a new test board for its dummy (mechanical sample) version of Amkor's cutting-edge **0.3 mm pitch CVBGA**. Amkor's new semiconductor device is a wafer-scale package in a miniature package, which is suitable for installation in surface mount technology (SMT). Amkor's ChipArray® range of packages consists of laminate-based ball grid array (BGA) packages that are compatible with established SMT mounting processes.

The **CVBGA368-8 mm Evaluation Board** is ideal for testing, evaluating and qualifying this fine-pitch technology. For this package, the board size is 77x132 mm, 1 mm thick and features four layers with 15 pads. It is offered with OSP, ImAg, & ENIG finishes.

The new **B-52 CRET** (Cleanliness and Residue Evaluation Test) Kit is designed to help determine the ionic cleanliness of the manufacturing process. The test boards and components follow guidelines associated with the IPC-B-52 Test Vehicle.

The **Casio WLP** (wafer chip size package) and the **OmQFM** (open molded Quad Flat Pack) also will be on display. New solder training kits and boards, such as the PCB250 14mm **TMV Drop Test Board**, the **FusionQuad® Thermal Cycle and Drop Test Kits** and an **IPC/WHMA-A620 Compliant Wire Harness Kit**, will be displayed at the show. Practical Components' training kits and boards provide tremendous savings and jump-start productivity.

Meet company representatives in Booth #538 for a copy of Practical Components' new catalog, ideal for anyone involved in PCB assembly, training, soldering and surface mount technology. The new catalog is designed to help engineers quickly find the key products needed to qualify their technology, train and grow their businesses.

For more information about Practical Components, visit [www.practicalcomponents.com](http://www.practicalcomponents.com).

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### **About Practical Components**

Practical Components is the world's leading supplier of dummy components and test boards, which are exact mechanical equivalents of live components, used when only the physical properties of the components or boards are required. These components and boards are ideal for testing of solder processes, machine setup thermal, CPK, drop test and other process evaluations. Practical Components is headquartered in Los Alamitos, CA. with distributors worldwide.