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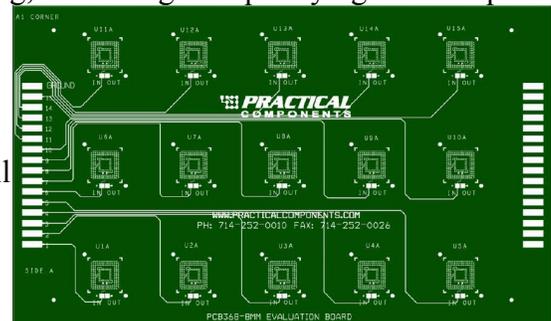
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Practical Components Adds Test Board for 0.3 mm Pitch Dummy CVBGA Test Vehicle

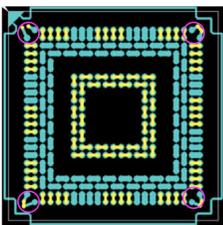
LOS ALAMITOS, CA — January 2012 — Practical Components has introduced test board for it's dummy (mechanical sample) version of Amkor's cutting-edge .3mm pitch CVBGA. Amkor's new semiconductor device is a wafer-scale package in a miniature package, which is suitable for installation in surface mount technology (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 CVBGA368-8mm Evaluation Board is perfect for testing, evaluating and qualifying this fine pitch technology. The board size is 77x132mm, 1mm thick, 4 layers with 15 pads for the CVBGA368 package. It is offered with OSP, ImAg, & ENIG finishes.

The 0.3 mm CVBGA is a 8x8 mm, 368, 0.30 mm solder ball pitch, two-layer thin core substrate with an Ni/Au BGA finish that uses a HL832NX-A (60 µm core) and AUS 410 solder mask.



There is an increasing demand for electronics products that are more compact and offer a higher level of performance, and the 0.3 mm CVBGA dummy component is ideal to train, test and qualify this technology.



The Practical Dummy Component® version of the CVBGA is identical to the live package without the expensive IC die inside. The dummy versions are made of the same materials on the same manufacturing lines and have the same size, thermal and soldering properties as the live equivalent without the cost of a live die.

Practical Components® is the exclusive supplier of Amkor Technology Dummy Components. Amkor offers the industry's broadest array of package formats and sizes from traditional, "off-the-shelf" leadframe configurations to leading-edge chip scale, flip chip and TMV® PoP. This allows Amkor to be a single source for many of Practical Components' customers' total IC packaging requirements.

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.

TMV is a trademark of Amkor Technology, Inc.