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DuPont Microcircuit Materials and CAD Design Software Integrate LTCC Materials and Processes in CDS Ceramic Design Software to Speed Design

Research Triangle Park, N.C. and San Jose, Calif., March 5, 2009 — DuPont Microcircuit Materials (MCM), part of DuPont Electronic Technologies, and CAD Design Software have announced the integration of DuPont™ GreenTape™ low temperature co-fired ceramic (LTCC) materials and manufacturing processes into CAD Design Software’s Electronic Design Automation (EDA) design tools for Ceramic (Hybrid/MCM – LTCC) circuit design. By incorporating the widely used DuPont™ Green Tape™ 951 and 943 systems, CAD Design Software’s Ceramic Design tool automates DuPont’s recommended LTCC processes, and significantly improves cycle time for advanced circuit design.

“CAD Design Software’s EDA tools have some unique properties in the way they have been customized for use with DuPont™ Green Tape™ LTCC – design cycle time can now be reduced by days,” said John D. Voultos, global business manager - LTCC, DuPont Microcircuit Materials. “We expect this to be well-received by a broad range of designers focused on accelerating the development of advanced circuits for military, aerospace, and automotive industries, where Green Tape™ is most often utilized for its consistent high quality and absolute reliability.”

DuPont™ Green Tape™ LTCC is a technology option for designers that delivers high density, high reliability, excellent performance, and low cost interconnect packages and substrates. DuPont™ Green Tape™ systems are widely recognized as a standard in the ceramics industry because they meet increasing demands for electronics functioning in extreme heat and other harsh environments. Green Tape™ 951 and 943 systems each have their own recommended conductive and resistive pastes for the best manufacturing process results.

“Through working closely with DuPont, we have been able to incorporate new functionality and materials handling capabilities that allow our customers to quickly implement Green Tape™ materials for leading-edge ceramic applications. DuPont MCM is a market leader and we are happy that we can provide DuPont materials capabilities for our many ceramic customers,” said Gordon Jensen, vice president of sales and marketing -- CAD Design Software.

The ability to select materials from CAD Design Software's Materials Library allows the user to setup custom technology parameters to begin a ceramic design or choose one from the list of preset technology files. The preset technology files have all of the DuPont recommended minimum entity widths and spacings incorporated for efficient design and manufacturing flow.

CAD Design Software has incorporated many CAM tools for the ease of processing a ceramic design, such as nibbler data for removing cavity material in bulk or in steps, and control of the Gerber, hole and punch data for correct output to manufacturing.

CAD Design Software provides complete 3D Electronic Design Automation solutions for semiconductor packaging and PCB designs disciplines using Electronics Packaging Designer (EPD) software suites for applications such as BGA, uBGA, Ceramic (Hybrid/MCM, LTCC), Lead Frame, Stacked Die, IC Test, RF/Microwave, Flex and other design technologies. For more information on CAD Design Software, call 408.436.1340, visit our web site at www.cad-design.com, or e-mail to info@cad-design.com.

DuPont Microcircuit Materials has over 40 years of experience in the development, manufacture, sale, and support of specialized thick film compositions for a wide variety of electronic applications in the automotive, display, photovoltaic, biomedical, industrial, military, and telecommunications markets. For more information on DuPont Microcircuit Materials, please visit <http://mcm.dupont.com>. Microcircuit Materials is part of DuPont Electronic Technologies, a leading supplier of electronic materials, including materials for the fabrication and packaging of semiconductors, materials for hybrid, rigid and flexible circuits, and materials for advanced displays.

DuPont is a science-based products and services company. Founded in 1802, DuPont puts science to work by creating sustainable solutions essential to a better, safer, healthier life for people everywhere. Operating in more than 70 countries, DuPont offers a wide range of innovative products and services for markets including agriculture and food; building and construction; communications; and transportation.

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