Modelithics®
World's Best RF & Microwave Simulation Models

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## *FOR IMMEDIATE RELEASE*

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# Modelithics® Announces
# 3D Encrypted Component Models for Cadence Clarity 3D Solver

Tampa, Florida (July 17, 2023) – Modelithics® announces the development of a new library of 3D component models for the Cadence Clarity™ 3D Solver, an electromagnetic (EM) simulation software tool. The first full release of the library will include the development of over 400 3D EM models available for Clarity that accounts for 3D EM encrypted models of components like inductors, resistors, connectors, packages, and filters.

The Cadence Clarity 3D solver can be used to design interconnects, modules, printed circuit boards (PCBs), packaged acoustic filters, and much more. It is based on highly accurate finite-element methods (FEM). Clarity is integrated within multiple Cadence design platform such as AWR, Virtuoso, and Allegro/Advanced Package Designer, thereby providing designers with ready access to high-capacity EM analysis for design verification and signoff of complex high-frequency systems. Modelithics 3D EM models are defined by their physical geometry and material properties. They enable designers to properly simulate interactions between components and their surrounding environment.

Modelithics' President & CEO Larry Dunleavy commented that *"The Modelithics 3D Library of 3D component models for the Cadence Clarity solver adds models for various complex components from many popular manufacturers, whose internal physical characteristics are often proprietary. Modelithics is developing a growing library of IP encrypted, and measurement validated, 3D models with the assistance of relationships of trust established with a multitude of Modelithics Vendor Partners (MVPs).* "

For additional details regarding the upcoming release of the Modelithics 3D Library for Cadence Clarity, visit: https://www.modelithics.com/mvp/clarity or visit Modelithics within the Cadence booth at European Microwave Week (EuMW) in Berlin Germany, September 17-22, 2023, for a demonstration and to request receiving access to an early release /subset of the library.



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***22 Years of Precision Measurements and Modeling Excellence!***

**About Modelithics, Inc.**

Modelithics, Inc. (www.Modelithics.com) was formed in 2001 to address the industry-wide need for high-accuracy RF and microwave active and passive simulation models for use in Electronic Design Automation (EDA). Modelithics' premium product is the Modelithics® COMPLETE Library, which includes the CLR Library™, containing measurement-based Microwave Global Models™ for a multitude of commercially-available passive component families, as well non-linear diode models, non-linear transistor models, and system level component models. Modelithics' services also address a wide range of custom RF and microwave measurement and modeling needs. Modelithics product offerings also include the Modelithics mmWave & 5G Library, Modelithics System Components Library™ the Modelithics COMPLETE+3D Library. Modelithics® is a registered trademark of Modelithics, Inc. Microwave Global Models™, System Components Library™ and CLR Library™ are also trademarks of Modelithics, Inc. The Modelithics Vendor Partner (MVP) Program allows for collaboration and open communication during the development of advanced data sets and models for commercially available microwave components and devices, with flexible sponsorship and distribution arrangements for the resulting data and models. An example of such an arrangement is the Modelithics Qorvo GaN Library, a fully sponsored library distributed for free by Modelithics under sponsorship of Qorvo®. Modelithics also offers a Standard & Custom Test Fixture and Accessory Product Line, including legacy parts from J Micro Technology for a family of thin film Alumina substrate components that enable RF probe measurements of devices that do not have coplanar RF probe pads already.



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