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## **FOR IMMEDIATE RELEASE**

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### **Modelithics and IEH Corporation Partner to Offer New 3D Geometry Models for Connector Products**

Tampa, Florida (August 29, 2022) – Modelithics, the leading provider of RF/microwave simulation models, and IEH Corporation, a worldwide leader in hyperboloid connectors and contacts, are pleased to announce the release of 12 new 3D geometry models for IEH hyperboloid connector products. The new 3D models are now available within the latest version, v22.4, of the [Modelithics COMPLETE+3D Library](#) for Ansys® HFSS™.

IEH hyperboloid interconnect solutions have been in use for over 40 years under the most demanding conditions. They offer benefits that include immunity to shock and vibration, improved current carrying capacity, and extremely low contact resistance, among others. IEH hyperboloid connectors are intended for aerospace, defense, commercial, and medical use.

The new Modelithics 3D models for IEH hyperboloid connector products include male and female versions of the HGM, HMK, HMM, HRM, and HVM printed-circuit-board (PCB) connectors. New models are also available for HKC Hyperkinetic (daughter card and backplane) high-speed connector products. All models are validated for both single-ended and differential S-parameters. The models for the HMM connectors are validated to 40 GHz, while all other models are validated to 20 GHz. Time-domain data is also provided for each model.

Included within each model is a new feature called Dynamic Region Selection. This feature allows users to isolate specific columns to include in a simulation. Objects not included in the selection remain visible but are assigned the “non-Model” property. These “non-Model” objects are excluded from the simulation, enabling a much faster overall simulation time.

Through the [Modelithics Vendor Partner \(MVP\) Program](#), FREE 90-day trials of Modelithics models for IEH connectors are available. For more information or to request a free trial of the new models for the IEH connectors, please visit <https://www.modelithics.com/MVP/IEH>.



### **About Modelithics, Inc.**

Modelithics, Inc. ([www.Modelithics.com](http://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.