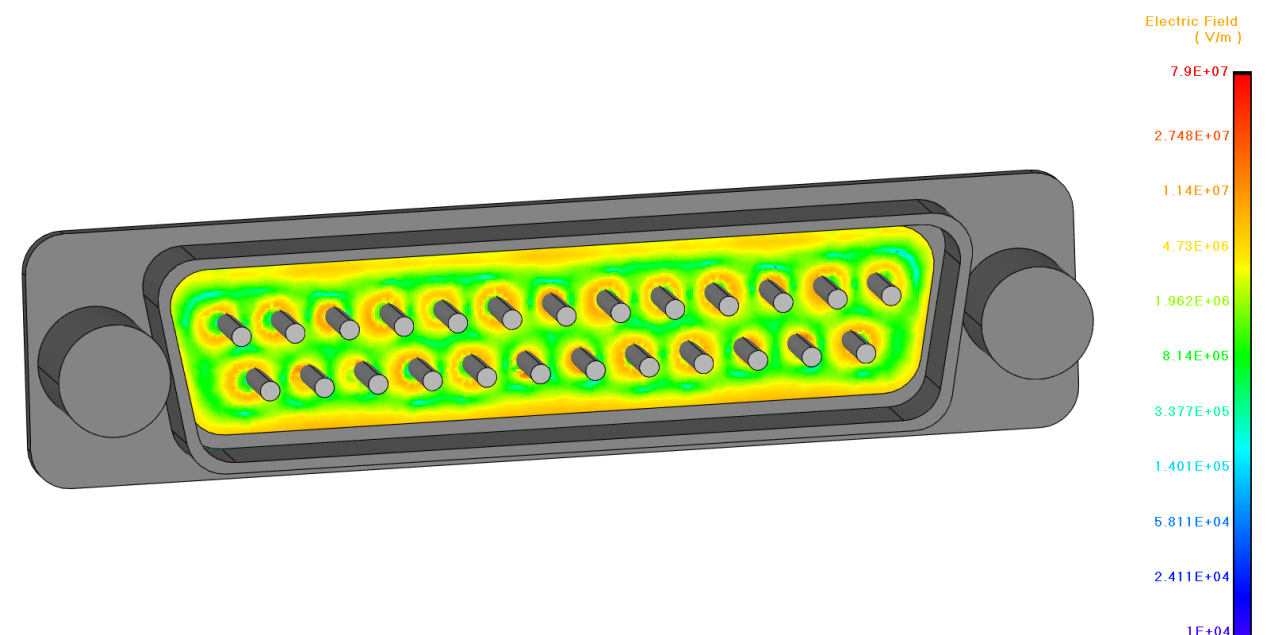
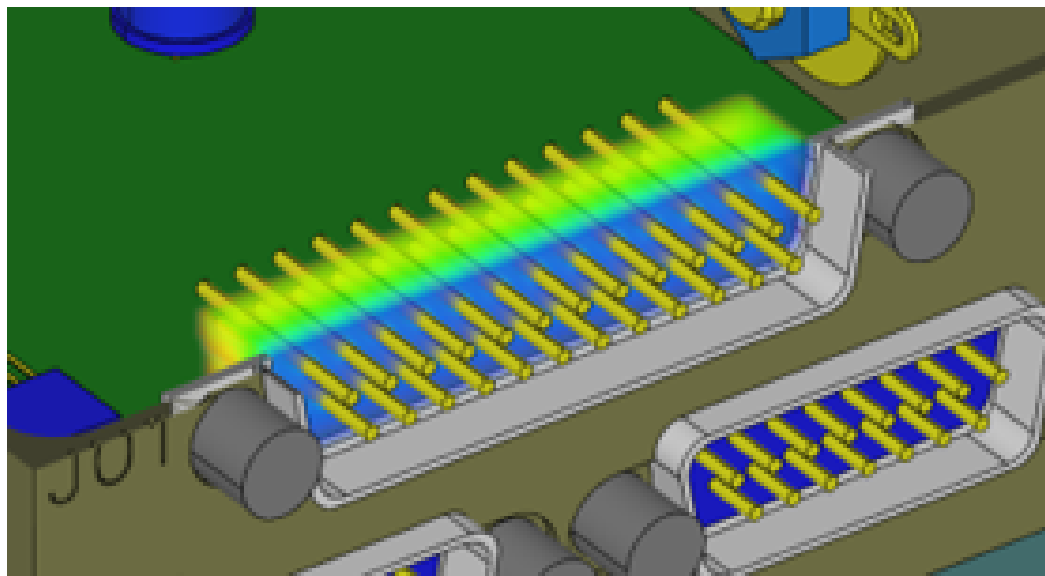
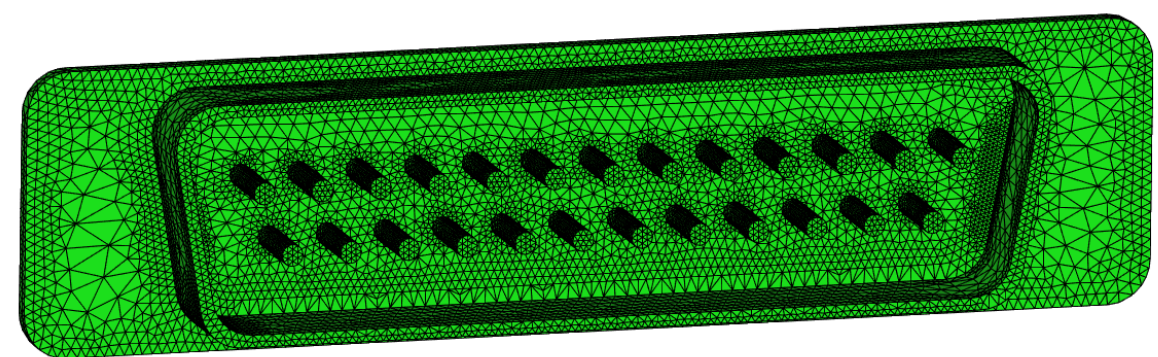


### Internal Charging Analysis - 3D Time-Dependant Electric Field (option)

- Time-dependant calculation of potential and **electric field in 3D** using the finite element method
- ESD risk assessment though 3D and time-dependant **mapping**



- The charge deposition rate calculated by a Reverse or Forward Monte Carlo particle transport is the source term for the calculation of the electric field



- Mesh tool: create, display and refine a tetrahedral volume mesh
- Several conductivity models are available: radiation-induced conductivity, temperature and electric field dependant conductivity, constant conductivity, user defined electric field-induced conductivity

## YOUR BENEFITS

- Single intuitive tool for all radiation analysis
- No additional modeling effort: use the same geometry model as the dose analysis
- Use real geometry with Reverse Monte Carlo and tetrahedral mesh
- Geometry/shielding/design optimization to limit ESD risk
- Time and money saved on space projects

## CONTACTS

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