

SSD BOARD DESIGN AND VALIDATION

CLIENT REQUIREMENTS

- // Complete Signal Integrity & Power Integrity & Power Delivery Network simulation & analysis
- // Complete Circuit simulation for all the power rail regulators and protection circuits
- // Extensive Signal Integrity and Power Integrity testing and Validation
- // SI / PI Bench validation and Simulation measurements correlation
- // End to End Product design cycle from SI/PI simulation, layout design, validation, and final product compliance testing

SCOPE OF ACTIVITIES

- // Pre Layout and Post layout SI / PI simulation analysis
- // Hardware circuit Design, PCB layout Design
- // Power Supply circuit simulation & validation
- // High speed signal Validation DDR3 / DDR3L, NAND / NAND ONFI4.0 & SSD 3.0 / PCIe 3.0
- // Correlation for Validation results with post simulation results & Waveforms
- // Compliance testing , Reliability, Stress testing and Four Corner SI/PI validation for board

VALUE ADDITION

- // Reduced time & cost by fewer board-revisions through identifying issues during design phase.
- // Optimized the performance of board before release for manufacturing