



SILICON TURNKEY SOLUTIONS, INC.

Design & Manufacturing
-- Reliability and Test Hardware --



Test Hardware Design & Manufacturing

“High Quality Solutions for Probe Cards, Load Boards and Test Boards”

Test Tooling Design Technology

- Custom and Generic Board Designs
- Fine Pitch Designs
- High Speed and High Performance Signal Designs
- Layout VS Schematic Validation
- Digital / Analog Placement and Routing
- Built-In 100% DRC/ERC Verification
- Standard 1 Week NRE Cycle Time
- RF / Hi-Speed Design Capability
- Tester Format Library Management
- Pin Counts > 2000
- Thermal Plane Strategies (Active Thermal Controls)

PCB Technology

- Standard 10 Days Fab Cycle Time
- 2 MIL Trace Width / Airgap
- Multi layers / Controlled Impedance
- FR4 / Getek / Rogers / Polyimide Materials
- 100% Netlist / Flying Probe Test



Test Hardware Design & Manufacturing

- ◆ **Design Expertise**

- ATE Boards (Test and Probe Cards)
- Evaluation and Development Boards
- Reliability Boards
(HTOL, THB, HAST, Level II)
- ESD Fixtures

- ◆ **EDA Tool Expertise**

- Protel
- Cadence Allegro
- AutoCAD

- ◆ **Defined Flow**

- Physical/Logical
- Component Selection
- Schematics
- Layout
- Pre and Post Layout SI Check
- Xtalk Analysis
- DFx Analysis
- NPI and Production

- ◆ **Cycle Time Reduction**

- Defined Processes
- On-Demand Teams