

products lineup

Liquid crystal display module Parts

Our Super-TFT display modules with ultrawide viewing angle will enhance your business potential.

- Liquid Crystal Display Module Parts
- Backlight (B/L)
- Cold Fluorescent Lamps (CFL)

Precision machines and die jigs

We continue to work for the highest precision and the best quality in precision machines and die jigs. These machines and jigs are used in the fundamental technologies required in manufacturing in products such as liquid crystal display modules, electron guns and magnetrons.

- High-precision machining
- Plastic molding
- Mechatronics
- Vacuum technologies

Device-technology solutions

We can offer the best picture-image satisfying your requirements in the 21st century by our state-of-the-art technologies in various fields such as image and video, electronic circuits, semiconductors and atmospheric-impurity analysis.

Imaging-device Technologies

- Design of Video Circuits

Semiconductor-related Technologies

- ASIC Development

Production System Solutions

Proposals on automation and power saving based on production system technologies for electronic devices.

Contracting of total engineering such as system plan, design, fabrication and installation.

Flat panel display (FPD) production equipment

- Driver testing system

Design of Video Circuits

Advanced technology produced by experienced engineer

Outline

Recently video cameras and digital cameras have become commonly used as home equipment, and monitoring cameras are installed in banks and convenience stores. Moreover, they will be widely used as a tool for visual communication on PCs, which will further advance development. We can develop and design video circuit boards for cameras according to your needs in a short time. We can also supply OEM products.

Features

Our video-circuit technology, cultivated during more than 10 years, enables us to:

- Support you with experienced engineers
- Supply you with developed circuit boards upon request

Technologies of ours used for designing video circuits

- Video-signal processing techno
- Video interface technology
- DSP and ASIC development technology
- Microcomputers and their software development
- Peripheral-circuits (such as for storage media) technology
- Downsizing-design technology



ASIC Development

Technology Integration, ASIC Development

Outline

You can get a co-development environment.

Features

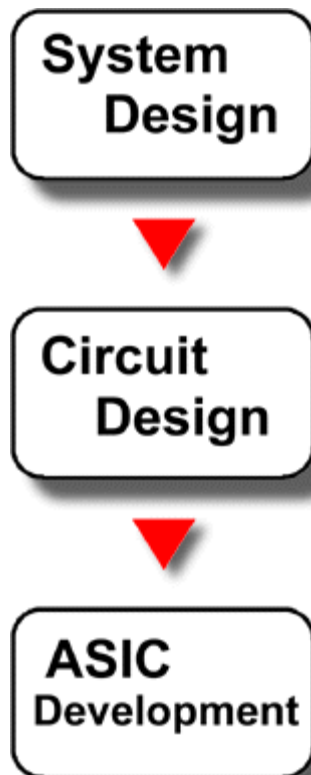
- Save your design time.
- Reliability
- Our skillful staff support you at every design step.

Recently, there has been a worldwide trend for down-sizing electronic devices. So, it's pivotal how fast you can develop compact but sophisticated system-LSIs suited to a desired application. Hitachi Device offers you the best solution to do this. We develop system LSIs meeting your requirements using HDL and IP blocks in a short time. We always use the latest tools for development, and have skillful staff. We hope you will soon contact us.

*IP: Intellectual Property

*HDL: Hardware Description Language

* ASIC: Application Specific IC



Driver testing system

Example: Testing system for LCD driver ICs

Outline

Testing system for inspecting TCP-type LCD driver ICs to be used for flat panel displays.

Features

Our video-circuit technology, cultivated during more than 10 years, enables us to:

- Low price and high usability due to specialized functions for inspecting LCD driver IC packages
- Multiple pins used for 8 power sources: I/O 32 pins, OUT 298 pins
- Customization of structure made possible for ICs to be tested
- Positioning accuracy of $\pm 15 \mu\text{m}$ attained by high-speed and high-accuracy image-data processing equipment
- High throughput achieved by the high-speed handler (transfer speed: 0.6 s)

Technologies of ours used in this system

- Semiconductor inspection technology
- Equipment controlling technology using personal computer and electronic circuit design technology
- Image-data processing technology

