Design and development (LSI products)

LSI design and development, and library development

▶Digital design engineering

◆Proposals for design development flows and design engineering of LSI products

Entire processes from specifications design to implementation are supported by abundant LSI development expertise cultivated as IDM(*1) .
Latest design method and know-how contribute to designs and development with short TAT.

*1 : IDM = Integrated Device Manufacturer

◆LSI development results

Development results

Abundant development results by fabrication, advanced process, VLSI, and high frequency

- Fabrication SEC,TSMC, GF, UMC, and JSC(*2)
- Process To 5 nm
- Scale 150 Mgates
- Frequency 1GHz

*2: JSC = Japan Semiconductor Corporation

Abundant LSI development results


Image processing

Micro controllers
(Arm®/DSP)


MFPs
(Control chips)


Road traffic system
(Automotive LSIs)


Memory cards
(Internal bridge circuits)


Image sensors
(Image processing control)

Design and development (LSI products)

▶Analog design engineering

◆Library development results

Process support results

Abundant results by fabrication and advanced process

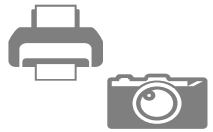
・Fabrication	SEC,TSMC, UMC, JSC(*1) (CMOS, CD, BiCD)
・Process	To 16nm
・Related products	SoC, ASIC, linear sensors, area sensors

*1: JSC = Japan Semiconductor Corporation

Abundant development results


Automotive products

IPs for microcontrollers


Consumer MCDs

IPs for RF (high frequency)


Memory cards

GPIO,PLL Oscillators, ADC, and DAC

Inquiries

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