



TOSHIBA

<http://toshiba.semicon-storage.com>

Semi: Arrow, Avnet, Digi-Key, Mouser, TTI
 HDD: Arrow, ASI, Avnet, Ma Labs, Microland, TD Synnex

The World Leader in CMOS Technology for Highly Integrated Systems

- #1 Worldwide Discrete and Optocoupler Supplier
- Power Devices/MOSFETs: DTMOS, U-MOS (LV-MOS), Intelligent Power ICs, High Power Devices - High Reliability and High Efficiency
- Logic and Small Signal: Small Packages (WCSP) – Low Capacitance & RDSon
- Leader in advanced CCD Technology: Linear/Area Sensors
- Highly integrated family of image recognition processors and Automotive Devices
- Analog ICs and Microcontroller Units for Motor Control Applications, aimed at reducing world-wide energy consumption
- Interface Bridge ICs for Mobile Peripheral Devices
- RF/Microwave - Radio-Frequency Devices

Hard Disk Drives - HDD

Cloud-Scale and Enterprise HDDs provide unsurpassed quality and reliability for demanding 24/7 server and storage deployments. Leading CSPs and OEMs consistently rely on Toshiba for cost-efficient enterprise scale capacity with field-proven quality and power-saving TCO benefits.

- NL (Enterprise / Data Center)
- Mission Critical
- NAS
- Surveillance

Security Features:
 SED now available

KIOXIA

<http://www.kioxia.com>

Memory: Arrow, Avnet, Digi-Key, Mouser
 SSD: Arrow, ASI, Avnet, Ma Labs, Microland, TD Synnex

KIOXIA America, Inc. is the US-based subsidiary of KIOXIA Corporation, a leading worldwide supplier of flash memory and solid state drives (SSDs). From the invention of flash memory to today's breakthrough BiCS FLASH™ 3D technology, KIOXIA continues to pioneer cutting-edge memory solutions and services that enrich people's lives and expand society's horizons. The company's innovative 3D flash memory technology, BiCS FLASH™, is shaping the future of storage in high-density applications, including advanced smartphones, PCs, SSDs, automotive and data centers.

Memory

- eMMC
- UFS
- SLC NAND
- Managed NAND
- Memory Cards

SSD

- High performance Enterprise Class drives in both NVME & SAS
- Optimized Data Center class NVME drives
- Client (NVMe)

Security Features:
 SIE, SED and FIPS

NANYA

<http://www.nanya.com>

Arrow, Memphis

Standard DRAM

- Offers JEDEC compliant, high quality DRAM devices, for a wide range of consumer and enterprise products.
- Serves as a one-stop shop covering a wide spectrum of DRAM technologies from DDR2, DDR3, DDR4 and DDR5, with densities ranging for 512Mb through 16Gb.

Low Power DRAM

- Low power consumption, along with high speed and bandwidth deliver superior performance.
- Diverse selection of product package, densities & temperature specifications.
- Ideal solution for portability, which includes handheld devices, infotainment systems in car, IoT applications.

KGD

- Leading KGD vendor in DRAM industry.
- High quality, advanced process technology, wide temperature range, and high speed KGD product.
- Customized RDL design and real-time technical service.
- Improve development and time to market while ensuring end product compatibility.

Automotive & Industrial

- Support automotive & industrial grade standard DRAM and low power DRAM.
- Certified with IATF16949 / AEC-Q100 to meet critical temperature & reliability requirements

MCP & eMCP

- Leading KGD vendor in DRAM industry.
- High quality, advanced process technology, wide temperature range, and high speed KGD product.
- Customized RDL design and real-time technical service.
- Improve development and time to market while ensuring end product compatibility.

FAST+ PHOTONICS

<https://www.npcf.com/>

Fast Photonics is an advanced high speed optical transceiver company, specializing in development and manufacturing of optical transceivers from 10G to 1.6T and beyond with fully automated state of art facilities, enabling Fast Photonics to deliver high quality products on a mass production scale.

Products:

- AOC – Active Optical Cable
- AEC – Active Electric Cable
- OSA - Optical Sub-Assembly
- Transceivers

Transceivers:

- 800G QSFP-DD/OSFP
- 400G QSFP-DD
- 100G QSFP56
- 100G QSFP28
- 40G QSFP+
- 25G SFP28
- 10G SFP+



<https://www.sstc.com>

SSSTC, a subsidiary of KIOXIA Corporation (formerly LiteOn), offers a comprehensive lineup of SSDs for the Enterprise, Industrial, Business Client and Consumer markets. The SSSTC solutions comprise of a variety of interfaces and form factors to deliver the right product for the right application.

Why choose SSSTC?

- 100% In-House Taiwan-based Manufacturing and Development
- 100% Ownership of Source Code and Firmware
- 100% of SSDs Aging Tested

Products:

- Enterprise/Data Center SSDs
- Business Client SSDs
- Industrial SSDs
- Consumer Grade SSDs



<https://www.sparkmicro.com>

Digi-Key, WPG Americas

SPARK Microsystems is a fabless semiconductor company leading the way forward in UWB (Ultra-Wide Bandwidth) facilitating ultra-low power, ultra-low latency wireless communications. With its patented technologies, SPARK Microsystems delivers order-of-magnitude better bandwidth, latency and power consumption compared to legacy wireless protocols. The company also seeks to bring battery-less operation to the market.

SPARK's SR1000 UWB Wireless Transceiver Family enables no-compromise wireless including:

- Data rate of up to 10 Mbps @ 1.5 nJ/bit
- Unparalleled versatility: power consumption of 2 mW while transmitting and receiving at 1 Mbps, and scaling to 6 µW at 1 kbps
- Ultra-short wireless latency (50 µs for 1 kb)
- Time-of-flight positioning at 30 cm accuracy

- Applications: Gaming, Audio, AR/VR, Positioning, IoT, SMART Home
- Software Development and Evaluation Kits are available



<https://www.faraday-tech.com>

With over 26 years of high R&D dedication, abundant market success experience, and customer recognition, Faraday is committed to silicon IP and ASIC design service domain, as well as providing most value-added SoC solutions in the market.

Successful Collaboration with Samsung Foundry

- Faraday's partnership with Samsung Foundry provides customers the most competitive and technologically advanced ecosystem.
- Strong commitment to advanced technology roadmap and product continuity - supports 14nm and below process technologies

Full Range of Process Technologies

- 65nm – 7nm processes for Library & IO, Memory, Analog, High-Speed Interface, and Processor Cores - over 3000 IPs available

ASIC Service

- SoC Design Service
- SoC Evaluation Platform
- Turnkey Solution
- FPGA-to-ASIC Service
- AI and HPC Solutions
- IoT MCU Solutions
- FinFET ASIC Solutions

Silicon IP

- AI Applications
- 5G Applications
- IoT Applications
- Giga-bit Ethernet PHY Solutions
- 28G Programmable SerDes PHY (56G in development)



<http://www.fujikura.com>

- Thermal Cooling
- A technology leading company in the fields of IT, Electronics and Energy/ Electric Power infrastructure
- Provides a range of optical communication devices for next generation broadband communications
- Delivers a wide range of products including electronic materials and automotive components

Main Products:

- Optical Fibers and Cables
- Image Fiber and CMOS Imaging Modules
- Industrial / Power Cables
- FPC
- Membrane Switch
- Micro Coaxial Cable and Assembly
- Electronics Wire Assembly

DDK Connectors:

- Circular
- Coaxial
- FPC
- RF
- Ribbon / Flat Ribbon
- ZIF



<http://www.fusionww.com>

Fusion Worldwide is a sourcing distributor, not a stocking distributor. They will engage in vendor inventory programs where they hold and release parts to a schedule. They will also work with Customer's in the acquisition of excess inventory

- Boston Headquartered with multiple locations in the USA, Europe, China, Korea, Singapore, Japan, and India
- In business for 20+ years – over \$2.3B annual sales
- Support from over 10K suppliers
- QA – they test and guarantee all parts shipped to their customers
- Fusion mirrors the manufacturer's warranty to the customer
- Fusion is provided the part numbers and quantity needed; they will turn a response in 24 hours.