



TOSHIBA

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

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

SEMICONDUCTOR

The World Leader in CMOS Technology for Highly Integrated Systems

- A leading global Discrete and Optocoupler supplier
- Compound Semiconductor Technology – SiC and GaN
- 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 Sensors
- Highly integrated family of Automotive Ethernet Devices
- Analog ICs and Microcontroller Units for Motor Control Applications, aimed at reducing world-wide energy consumption.
- Interface Bridge ICs for Mobile Peripheral Devices

STORAGE

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

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.

SSD

- High performance Enterprise Class drives in both NVME & SAS
- Optimized Data Center class NVME drives

Memory

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

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 with products such as LPDDR2, LPDDR3, LPDDR4, LPDDR4x
- Diverse selection of product package, densities & temperature specifications.
- Ideal solution for portability, which includes handheld devices, infotainment systems in car, IoT applications.

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

- Optimal solution to minimize form factor with the integration of Low power DRAM & SLC/MLC NAND.
- The comprehensive selection of packages and densities, most suitable for portable devices & IoT applications.
- Support wide temp and industrial temp range to fit different usage conditions and specifications.

Nanya is revered for providing long and stable product life cycles.

FAST+ PHOTONICS

<https://www.fast-photonics.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+

MediaTek Incorporated is the world's 5th largest global fabless semiconductor company. They are market leaders in developing innovative systems-on-chip (SoC) for mobile devices, home entertainment, connectivity and IoT products. Ultimately, MediaTek powers more than 2 billion devices a year – that's in 20 percent of homes and nearly 1 of every 3 mobile phones globally.

For over 25 years, their dedication to innovation has positioned MediaTek as a market driving force in several key technology areas, including highly power-efficient mobile technologies, automotive solutions and a broad range of advanced multimedia products.

Products:

- MediaTek Genio for IoT
- MediaTek Dimensity for 5G
- MediaTek Kompanio for Chromebook
- MediaTek Pentonic for TV Platforms
- MediaTek Filogic for Wi-Fi 6, 6e and 7



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



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, they deliver order-of-magnitude better bandwidth, latency and power consumption compared to legacy wireless protocols.

The 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



With over 30 years of high R&D dedication, abundant market success experience, and customer recognition, Faraday is committed to the silicon IP and ASIC design service domain, as well as providing the most value-added SoC solutions in the market.

- Strong long-term partnerships with foundry, package, and testing vendors strengthens Faraday's product development and mass production efficiency

ASIC Service

- SoC Design Service
- SoC Platforms
- Turnkey Solutions
- FPGA-Go-ASIC™ Service
- SONOS eFlash Platform
- FinFET ASIC Solutions

Silicon IP

- AI Applications
- 5G Applications
- Display Applications
- IoT Applications
- Gigabit Ethernet PHY Solutions
- 16G Programmable SerDes PHY



- 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:

- Thermal Products – heat pipe/heatsink/cold plate and connectors
- Optical Fibers and Cables
- Image Fiber and CMOS Imaging Modules
- Industrial / Power Cables FPC
- Membrane Switch
- Electronics Wire Assembly

DDK Connectors:

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

Applications:

- Automotive
- Consumer
- Cooling
- Data Center
- Energy
- Healthcare
- Industrial
- Telecom



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. Fusion is 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.