



TOSHIBA

www.toshiba.semicon-storage.com

Semi: Arrow, Avnet, Digi-Key, Mouser, TTI
Storage: Arrow, ASI, Avnet, Ma Labs, 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)
- NAS
- Surveillance

Security Features:

SED

KIOXIA

www.kioxia.com

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

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

Security Features:

SIE, SED and FIPS

Memory

- eMMC
- UFS
- SLC NAND
- Advanced Flash



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 from 16Gb to 32Gb.

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.



www.aeonsemi.com

Arrow, Digi-Key

Aeonsemi is a fabless semiconductor company building the timing and networking silicon driving modern AI infrastructure. Founded in 2018 and headquartered in Santa Clara, CA, Aeonsemi designs analog, mixed-signal and DSP-centric ICs for broadband access, enterprise networking, automotive, robotics and industrial automation.

Backed by global tier-one venture capital firms including Walden International, IDG Capital, Susquehanna International Group and Sequoia Capital.

Over 100 million units shipped with zero quality returns.

ChronoPHY™ – Multi-Rate 10G Ethernet PHYs

- 10G / 5G / 2.5G / 1G / 100M / 10M BASE-T
- SyncE and IEEE 1588v2 on-chip timing engine
- Broadband, enterprise networking, Wi-Fi backhaul, AI infrastructure

Automotive & Humanoid Robotics – MGBASE-T1

- IEEE 802.3ch multi-gigabit 10G / 5G / 2.5G
- ASIL-B, AEC-Q100 Grade 1 & 2
- Line-rate 802.1AE MACsec, TSN, PoDL and PoC
- 6mm x 6mm QFN40 – no heatsink required
- Zonal switches, CSI-2 bridges and serializers

LumaReach™ – 10GBASE-Coax

- 10Gbps full duplex over existing RG6 / RG59
- Ultra-low latency <5µs, Power-over-Coax

Arcadium™ – Timing & Synchronization

- All-silicon oscillators, XO / TCXO / TCSSO
- Clock generators and jitter attenuators
- 50fs RMS jitter, to ±0.1ppm stability, AEC-Q100

			www.amphotonics.com		
AM 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.			Products: AOC – Active Optical Cable AEC – Active Electric Cable OSA - Optical Sub-Assembly Transceivers		Transceivers: - 800G QSFP-DD/OSFP - 100G QSFP56 - 100G QSFP28 - 400G QSFP-DD - 25G SFP28 - 10G SFP+
			www.atmosic.com		Mouser
Atmosic provides the World's Lowest-Power Connectivity and Compute Solutions for Battery Operated BLE Applications. The Atmosic team is re-architecting wireless connectivity solutions from the ground up to radically reduce IoT device dependence on batteries. They aim to make batteries last forever and the IoT battery free – thus breaking the power barrier to widespread IoT adoption.			• ATM2 Series • ATM3 Series • ATM33 Series • ATM34 Series		
			www.byteramemory.com		
U.S.-based (San Jose) fabless NOR flash: standard SPI NOR and Ultra Low Energy (Wide VCC) flash, 50nm ETOX/SONOS process, CSP and KGD packaging for SiP integration, custom/design services available. Positioned as a qualified 2nd source to Macronix/Micron on SPI NOR.			• SPI NOR Flash • Standard Flash • Ultra Low Energy (Wide VCC) Flash • KGD - Known Good Die		
			www.cirque.com		Mouser
Cirque produces human interface solutions using capacitive touch technology with a specialization in the following targeted markets: Notebook Computers - For Notebooks, the trackpad is the user interface of choice, offering durability, precision and powerful multi-finger gestures.			VR / Gaming - At Cirque, their extensive history building touch solutions enables them to create the most unique and cutting-edge input solutions for the game systems of the future. Point of Sales - Cirque is the only touch technology company with a focus on secure input solutions for payment terminals.		Industrial / Medical - Some environments call for an input solution that must function reliably under demanding and harsh conditions. Cirque offers the GlidePoint for such requirements. Off-the-shelf Product & Custom Solutions – Cirque is expert at using 'out-of-the-box' thinking to tackle challenging issues.
			www.faraday-tech.com		Arrow
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.			ASIC Service • SoC Design Service & SoC Platforms • Turnkey Solutions & FinFET ASIC Solutions • FPGA-Go-ASIC™ Service • SONOS eFlash Platform		Silicon IP • AI Applications & 5G Applications • Display Applications & IoT Applications • Gigabit Ethernet PHY Solutions • 16G Programmable SerDes PHY
			www.fujikura.com		
• 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			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
			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. Fusion is Boston Headquartered with multiple locations in the USA, Europe, China, Korea, Singapore, Japan, and India.			• 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 • Provide Fusion with the part numbers and quantity needed; they will turn a response in 24 hours.		

 www.mediatek.com Braemac, Mouser		
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
 www.mobiwire.us		
Your Smart Connected Devices Partner MobiWire delivers end-to-end ODM solutions, designing and manufacturing customized mobile hardware and connected IoT devices for enterprise partners and OEM partners. Supported by robust engineering and reliable supply chain integration, we deliver scalable device technologies that bring custom products from concept to market.	Sample Designs: • 10.95" High-End Ultra-Thin 4G Tablet • Airborne Starlink Communications Gateway • 6.8" Ultra-Endurance 4G Smartphone • 5.99" SoftPOS With 4G • EMV Card Reader With NFC • 6.56" Smart POS With 4G and Integrated Printer • 6.67" 4G Smartphone With 50MP Camera	• 4" SoftPOS With 4G • 5G CPE With Wi-Fi 6 • 4G Mobile Hotspot • 6.01" Rugged PDA With 5G • 5.45" SoftPOS With 4G and Integrated Printer • 6.56" Mid-Range 4G Smartphone • 4" Rugged PDA With 4G and Barcode Scanner • 10.01" SoftPOS Tablet With 4G
 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.	The SR1000 UWB Wireless Transceiver Family enables no-compromise wireless: • Data rate of up to 10 Mbps @ 1.5 nJ/bit • 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
 www.ssstc.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