



TOSHIBA

Leading Innovation >>>

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

Arrow, Avnet, Digi-Key, Mouser, TTI (DBU Only)

The World Leader in CMOS Technology for Highly Integrated Systems

- Acknowledged Leader in Deep Submicron Process CMOS ASIC (or SOC) and Foundry Services – 90, 65, 45, 32 and 28 nm
- Standard Cell, ARM with DRAM, SRAM & HS I/O
- ASSP: Networking I.C., Multimedia, Alternative Energy and Tablets
- #1 World Wide Discrete Supplier for 28 years
 - Product Lineup covers a wide range of applications:
 - Power Devices: DTMOS, U-MOS (LV-MOS) – High Reliability and High Efficiency
 - Logic and Small Signal: Small Packages (WCSP) – Low Capacitance & RDSon
 - Toshiba #1 WW in Optocouplers

- Leader in advanced CCD Technology: Linear/Area Sensors
- FFSA - a customizable metal-configurable platform technology to design and rapidly create ASICs /ASSPs and replace FPGAs. It reduces time to market and up-front NRE costs while maintaining performance, power and lower unit cost associated with Standard Cell ASICs.
- World's largest supplier of NAND Flash (SLC, MLC, and eMLC) devices including eMMC, MCP, uSD, USB and SSD
- High Speed Storage Solutions
- Microprocessors: RISC/ARM Cortex up to 2Ghz, 16, 32, and 64 Bit-CISC, 4, 8, and 16 Bit Microcontrollers

TOSHIBA

Leading Innovation >>> STORAGE

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

Avnet, Synnex, and Arrow

Enterprise HDDs:

- Toshiba enterprise drives maximize performance, reliability, capacity and power efficiency. They are ideal for today's most demanding mission critical and tiered storage environments, providing systems engineers with greater flexibility when designing rack and tower servers, direct-attached storage, network-attached storage, RAID systems and digital video systems.
- Toshiba delivers the highest capacity SAS & SATA enterprise-class NL disk storage up to 6TB

Client SSDs: Toshiba's latest cSSD solution offers the industry's highest capacity in this form factor, high performance, with lowest power.

- Low Power consumption; Various Form Factors supported (9.5mm, 7.0mm, mSATA, M.2)
- For use in Entry Level Enterprise Applications, Notebook PCs, Ultrabooks, and Ultrathins.

Enterprise SSDs:

- SATA/SAS/PCIe/NVMe
- High-endurance / write-intensive 2.5" SAS Enterprise SSD optimized for OLTP and other high transaction workloads; featuring 12G SAS and select models offering industry standard self-encrypting technology.
- eMLC/MLC/NAND Process; 12 Gb/sec SAS Interface & 6 Gb/sec SAS Interface
- Layered ECC Approach for Improved Error Correction; Power Loss Protection and Quadruple Swing by Code



<https://www.hirose.com/us>

Digi-Key, Future, Heilind, Mouser, PKC, PSC, Sager

- Broad Product Offering of: High density, microminiature Board to Board, FFC/FPC, I/O and Circular connectors
- Industry Standard connectors – PCMCIA, CF, SD, Memory Stick, Smart Media, HDMI, SIM, Mini USB, Compact PCI, & Din 41612
- Industry Leading and Standard Coaxial connectors – BNC, SMA, TNC, Industry leading U.FL & W.FL and cable assemblies

- Fiber Optics: Connectors, Attenuators and Terminators for industry Standard SC, FC and MU
- High Speed Mezzanine Connectors: IT3 mezzanine connector system can transmit differential, single ended and power through one package. It is stackable from 15-38mm.

MAXLINEAR

MaxLinear:

- High performance radio frequency (RF) receiver products capture and process digital and analog signals to be decoded for various applications. These products include both RF receivers and RF receiver System-on-a-Chip (SoC).
- Products are used in a wide range of electronic devices including cable and terrestrial set-top boxes, digital televisions, DOCSIS 3.0 voice and data cable modems and gateways, mobile handsets, personal computers, netbooks and in-vehicle entertainment devices. All of our products are designed and manufactured in standard CMOS process technology.

Physpeed:

- Specializing in the development and sales of integrated circuits for high-speed (10G, 40G and 100G) data center, optical networking and telecommunication equipment.
- Current product portfolio comprises trans-impedance amplifier (TIA) ICs that include limiting, linear and burst-mode TIAs; driver ICs for DML and EML lasers, and high-swing drivers for InP and LiNbO3 optical modulators.
- Physpeed also offers clock and data recovery (CDR) timing synchronization ICs.

Entropic:

- Entropic offers semiconductor solutions for the connected home and transforms how traditional HDTV broadcast and IP-based streaming video content is seamlessly, reliably, and securely delivered, processed, and distributed into and throughout the home. Entropic's MoCA connectivity solutions enable Pay-TV operators to offer consumers more captivating whole-home entertainment experiences by transforming the way digital entertainment is delivered, connected and consumed – in the home and on the go

<http://www.maxlinear.com>



<http://www.nanya.com>

Arrow, Memphis Electronics

Home & Entertainment

Nanya offers reliable and stable solutions covering DRAM (DDR ~ DDR4) required for home applications. They offer choices from 512Mb-8Gb that fits a variety of Home entertainment electronics applications.

Mobile & Portable

Nanya carries a comprehensive mobile product line from LPDDR1-LPDDR4X, with densities ranging to 16Gb. They support multiple package options for low power DRAM including PoP, BGA, MCP per customer requirements.

Custom

Foundry Services on custom Non-JEDEC DRAM applications

Automotive

Nanya's automotive grade products are certified by AEC- Q100 and TS16949. Densities range from 512Mb ~ 8Gb with temperature coverage from -40°C to 105°C. Automotive & Industrial devices are offered as low power DRAM and wide temperature MCP.

Office & Enterprise

Nanya has valued solution in this market with a strong portfolio serving office and enterprise needs: networking, storage, other office peripherals. Their products include Standard and Low power DRAM (LPDRAM) with densities ranging from 512Mb to 8Gb.



<http://www.adeptotech.com/>

Arrow, Avnet, Future

Adesto Technologies is the inventor of the world's lowest power memory solutions; technology innovation that enables a new class of connected applications and previously unimagined devices

Product Lines:

- DataFlash
- Fusion Serial Flash
- Standard Serial Flash
- Mavriq Serial EEPROM
- Moneta Ultra Low Power
- EcoXiP – XiP Memory
- Power Line Communications
- High Temperature Solutions
- Wafer/Die Solutions
- Medical Solutions

Fujikura

<http://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
- Delivers a wide range of products including electronic materials and automotive components

Main products:

- Optical Fibers and cables
- Image Fiber and CMOS imaging module
- Optical Transceivers
- Industrial cables
- Power Cables
- FPC
- Membrane Switch
- Micro Coaxial Cable and Assembly
- Electronics wire assembly
- Automotive wire harness and assembly



<http://www.delta-americas.com>

Arrow, Avnet, Bravo, Digi-Key, Master Electronics, Sager (EPBU)

Delta Power is the world's largest provider of switching power supplies and a major source for power management solutions, components, industrial, networking products, and renewable energy solutions. Established in 1971, Delta has manufacturing plants in Taiwan, Thailand, China, Mexico and Europe.

AC/DC:

- Std DIN Rail, 12/24/48V
- Std Panel Mt / Open Frame, 5 /12/24V
- Medical PWR:
 - Ext. ~ 60-150W, 12/15/19/24V
 - Open Frame ~ 40-400W, 12/15/18/19/24V
 - Custom Solutions
- Server Power:
 - 1U Non-Redundant, 200-650W
 - 1U Redundant Slim, 450-770W
 - 1U Redundant CS, 450-1400W
 - Pedestal, 400-1200W
- OEM Modified Std/ Custom

DC/DC:

- Industrial Isolated
 - BRICKS, 1/4-1/16, 50-200W
 - 1" x 1", 10-30W (5V/ 12V/ +/-5V /+/-12V
 - DIP/SMD/SIP, 1W up to 4kVdc
- Std Non-Isolated POL
 - 3.3-5Vin, Integrated POL, DOSA
 - 12Vin, Integrated POL, DOSA, Datacom, P-Blk
 - 1-24Vin, Integrated POL
 - 8-36Vin- Integrated POL
- STD EMI Filter Module



<http://www.sunonusa.com>

Aero-Space Southwest, Allied, Avnet, Bisco, Bravo, Carlton-Bates, Digi-Key, Future, Sager

#1 Manufacturer of DC Fans and Blowers

- Designer and manufacturer of a full range of high-performance fans, blowers and coolers
 - DC brushless fans
 - DC blowers
 - Custom Cooling Solutions
 - AC fans
 - CPU coolers

- Manufactures some of the industries smallest, thinnest and most power efficient fans and blowers in sizes ranging from 0.315 (8mm) to 10 inches (250mm) in outside diameter and from 0.157 inches (4mm) to 1.5 inches (38mm) in thickness
- More than 700 different standard models are available
- Introduced the "Super Green" family of fans in 2009, 50% power reduction, very efficient
- Motor propulsion technology

BROAD TECHNOLOGY

- Offshore Printed Circuit Board Manufacturer (Guangzhou, China)
- Low Cost – Medium to high volume supplier
- HDI Capability
- 2 to 16 Layers
- ISO14001, ISO900L, ISO/TS 16949 and UL Certified
- Width and spacing to .003
- Controlled Impedance
- Minimum SMT Pitch: 16 mil
- Lead Free Surface Finish
- Sony, Canon, Pioneer, and Samsung Green Partner Certification



<http://pscelex.com>

High quality cable and harness assemblies built to your specification. Local Santa Clara location for quick turn prototypes and low-to-medium volume production. Offshore factory for high volume. ISO 9001-2008 Certified.

UL/CSA Certified. All assemblies built to IPC 620 standards. All Assemblies 100% Tested. Hirose Value Added Reseller. Fiber Optic Patch Cords (in Stock) Fine-Pitch Specialist. Specialized tooling for: Hirose, Tyco/Amp, Molex, Panduit, JST, JAE