



ASC
GLOBAL



ASC is a specialized global stocking distributor for critical electronic and electromechanical components, built to secure your supply chain.

Since 1997, we have specialized in hard-to-find components and inventory management, offering an inventory of **2 billion+ parts** including capacitors, resistors, MCUs, PMICs, connectors, relays, sensors, diodes, transistors, and MOSFETs. We leverage our global partner network of **1,000+ suppliers**, such as **Samsung, TE, Vishay, Murata, ADI, and Renesas**, to serve global OEMs and CEMs.

We act as a trusted partner, helping teams **avoid costly line-down situations, find qualified drop-in replacements, and realize significant cost savings**. Our service includes flexible payment terms and credit limits up to \$20M, all backed by AS9120, AS6081, and ISO 9001 certifications, ensuring the highest quality standards across all industries.

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Company Profile



Automotive



Aviation



Industrial



Medical



Consumer Electronics



Aerospace and Defense



Telecom



Energy



Datacenter



1997

Founded: 1997



Headquarters

Tamarac, FL



Company Locations

9



Distribution Centers

3 across Continents



Customers

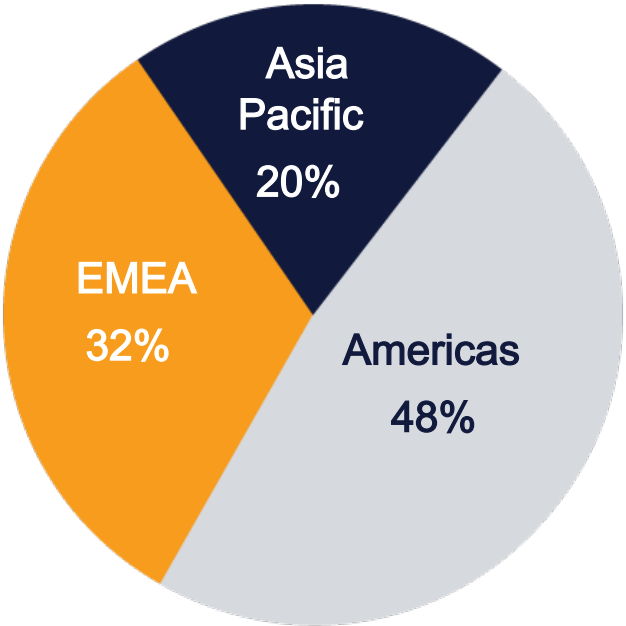
47,600+



Countries we serve

175

FY24 Regional Sales



HIGHLIGHTS

- ✓ 27.92% avg. Cost Savings on regular supply chain
- ✓ 36.4% avg. reduction in unplanned line-downs situations
- ✓ 26.8% avg. reduction in emergency procurement costs
- ✓ 46.5% avg. lead time reduction

Certifications



Less than 2,500 companies worldwide are AS 9120 certified!

With our certifications, we fulfill the highest standards of quality inspection that we apply across all industries we serve.

International quality management system (QMS), with added aerospace-specific requirements.



Guidelines to prevent counterfeit goods across all levels of the supply chain.



International standard for quality management.



Timeline



- 1997- Founded
- 2000- Moved to Corporate Headquarters in Florida
- 2002- Allegro Industries SA De CV – Guadalajara, Mexico
- 2003- Able Business LTD - Hong Kong
- 2005- Bell Components - London, UK
- 2007- Bell Business - Shenzhen, China
- 2010- Completed the creation of an Internal CRM System:
“The One system”
- 2013- Ares GmbH – Frankfurt, Germany
- 2018- ASC American Sun Components LTD – London, UK
- 2021- ASC Global Polska – Warsaw, Poland
- 2022- ASC Global GmbH – Munich, Germany
- 2023 - ASC Global SRL – Milan, Italy
- 2023 - American Sun Components Global PTE Ltd - Singapore
- 2024 - ASC Global Components and Industrial - Budapest, Hungary



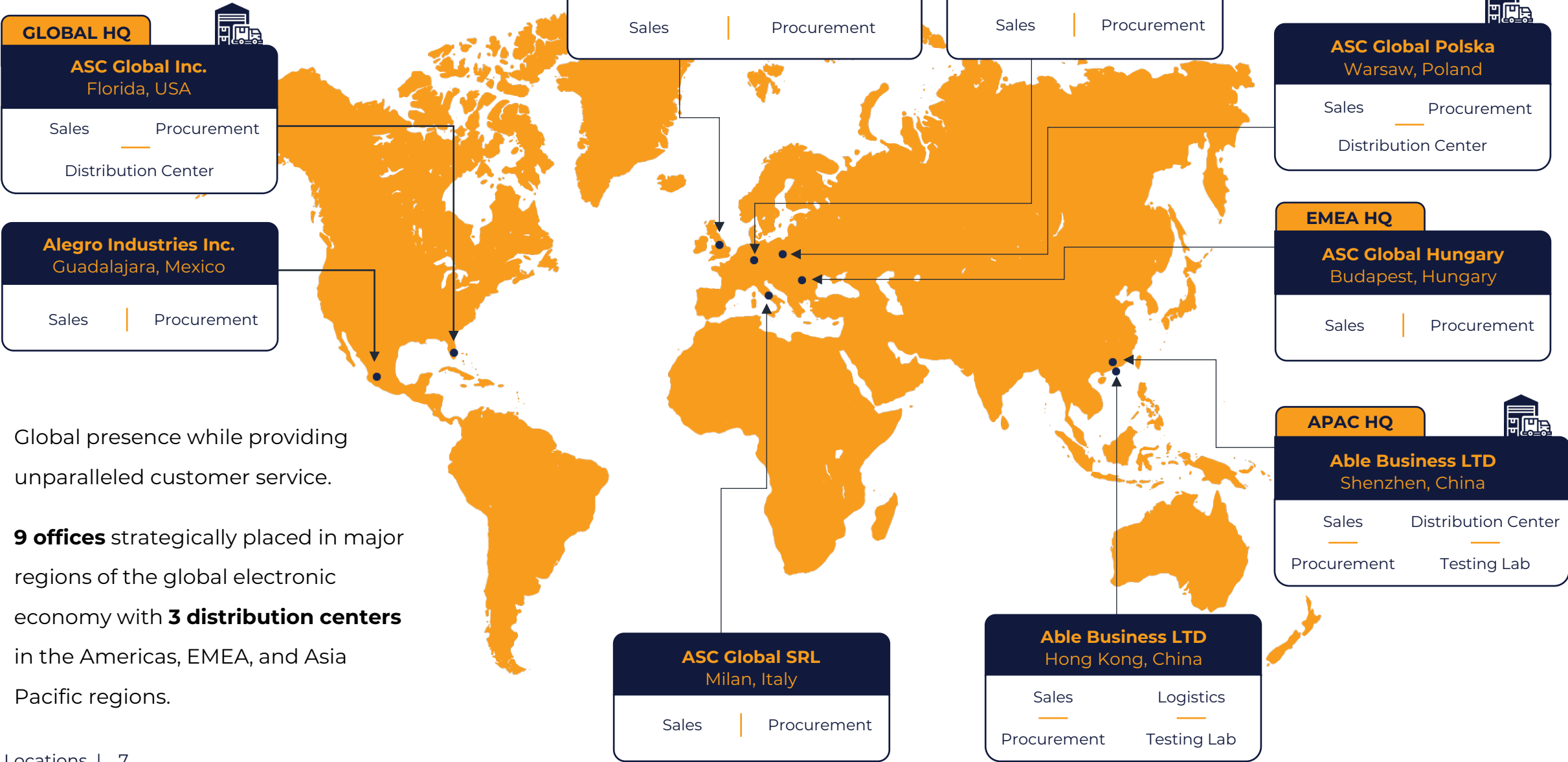
• **Future Expansion in 2026**

Sweden, Netherlands, France, Vietnam, India

• **Future Expansion in 2027**

Australia, Taiwan, South Africa, South Korea

Locations



Global presence while providing unparalleled customer service.

9 offices strategically placed in major regions of the global electronic economy with **3 distribution centers** in the Americas, EMEA, and Asia Pacific regions.



Global Sourcing

- Vendor Consolidation
- Secure Supply Chain
- Faster Time to Market
- Global Partner Network
- Hard-to-find, EOL & Obsolete Sourcing



Manufacturing

- Cost Savings Opportunities
- EOL / Obsolescence Management
- Custom Solutions & Crosses
- Drop-in Replacements
- Design & Engineering Support



Inventory Management

- Optimized Inventory Levels
- Improved Cash Flow
- Vendor Managed Inventory
- Excess Stock Management
- Proactive Supply Chain Mgmt



Franchised Distribution

- Drop-in Replacements
- Cost Savings
- Crosses
- Yearly Contracts
- Exclusive Pricing & Rebates

Global Sourcing



Customer -Focused Sourcing Solutions	Key Benefits
Market Trend Analysis – Identify procurement challenges and develop risk-mitigation strategies for reliable sourcing. Global Partner Network – Leverage partnerships to reduce costs and source hard-to-find components. Product Validation – Ensure quality, performance, and compliance through rigorous testing and transparent sourcing. Supply Chain Optimization – Streamline logistics, manage trade laws, and enhance efficiency for timely deliveries.	• Global Reach • Secure Supply Chain • Cost Optimization • Faster Time to Market • Hard-to-Find & Obsolete Parts • Vendor Consolidation

Global Sourcing Challenges - ASC Solutions

CHALLENGE

Global Sourcing Restores Supply Chain Continuity

An automation manufacturer faced production delays after regional shortages of microcontrollers and power relays threatened a \$10M contract.

SOLUTION

- Sourced 300+ components through verified suppliers across 3 continents.
- Ensured 100% authenticity through rigorous QA testing.
- Consolidated shipments for faster, traceable delivery.

Achieved 27.5% cost savings via optimized global procurement.

CHALLENGE

Rapid Sourcing for Obsolete Power Modules

A robotics manufacturer faced a production halt when critical power modules were discontinued, risking \$6M in delivery delays and customer dissatisfaction.

SOLUTION

- Located 200+ obsolete modules through global partner networks.
- Verified 100% traceability and RoHS compliance.
- Offered alternative components within 72 hours.

Reduced sourcing costs by 24.8% through consolidated procurement.

Manufacturing Capabilities

28 % cost savings (avg.)

47 % reduction in lead times (avg.)

Benefits

- **Cost Savings:** Competitive prices and rebates.
- **Reduced Risk:** Improve supply chain by increasing number of sources.
- **Better Service:** Technical support, faster turnaround & flexible ordering options.

Drop -In Replacements



Products

Passive

- LEDs
- Fuses
- Circuit Breakers
- Switches
- Capacitors
- EMI Filters
- Photo Controls
- Relays
- Resistors
- Thermistors

Active

- Sensors
- Coin Batteries
- Cylindrical Batteries
- Diodes
- Regulator

Industry Applications

- Automotive
- Industrial
- Medical
- Consumer Electronics
- Aerospace
- Marine
- Power Supply
- Lighting
- New Energy
- Telecommunication
- Home Appliances
- Security Protection
- Power Trip
- Networking

Manufacturing Process



Manufacturing Challenges - ASC Solutions

CHALLENGE

Custom Power Board Redesign

A medical equipment manufacturer needed a compact power control board to fit a new device layout, but off-the-shelf options didn't meet size or voltage requirements.

SOLUTION

- Designed a custom PCB with 20% smaller footprint.
- Used UL-certified materials for medical compliance.
- Delivered prototypes in under 14 days.
- Reduced component count by 18% for higher reliability.

The client cut production time by 23% and achieved faster certification approval.

CHALLENGE

High-Temp Sensor Module Production

An energy company required durable sensor modules for turbines operating in extreme heat conditions, but previous suppliers couldn't meet longevity or consistency standards.

SOLUTION

- Manufactured custom sensor modules rated up to 180°C.
- Integrated advanced heat-resistant connectors and sealants.
- Achieved 99.8% pass rate in stress testing.
- Implemented batch serialization for full traceability.

System uptime improved by 38%, with reduced replacement costs and downtime across installations.

Franchised Distribution

Crosses – Replacements – Cost Savings

- Strong Supplier Relationships** to secure the best possible deals.
- Direct Access** to high-quality replacement parts.
- Eliminate Downtime** with extensive cross-referencing capabilities.

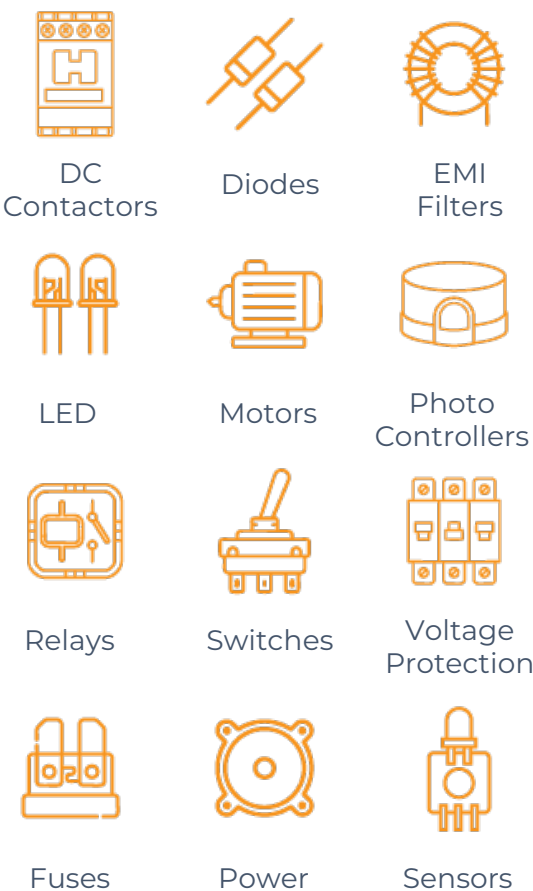
Key Benefits

- Cost Savings**
- Drop-In Replacements**
- Eliminate Downtime**
- Engineering Support**
- Supply Chain Stability**
- Direct Access**

Franchised Manufacturers



Products



Industry Applications

- Automotive
- Industrial
- Consumer Electronics
- Aerospace
- Marine
- Power Supply
- Lighting
- Renewable Energy
- Telecommunication
- Home Appliances
- Security Protection
- Power Trip
- Networking

Franchised Distribution Challenges - ASC Solutions

CHALLENGE

Automotive Relay Shortage

An automotive OEM faced delays in production due to a global shortage of relays from a discontinued supplier, threatening \$5M in missed delivery targets.

SOLUTION

- Supplied certified relays through franchised lines.
- Guaranteed 100% traceability and RoHS compliance.
- Secured 12-month allocation at stable pricing.
- Delivered initial batch within 7 business days.

Production resumed on schedule, saving over \$750K in downtime costs.

CHALLENGE

Telecom Board Obsolescence

A communications manufacturer faced obsolescence issues with capacitors critical to a next-gen base station project.

SOLUTION

- Identified form-fit-function replacements from franchise partner.
- Verified component authenticity with full COC documentation.
- Locked 24-month supply through franchised agreements.

The client avoided redesign delays and maintained product release timelines.

Inventory Management



The Challenge Procurement Headwinds

- **Market Volatility:** Unpredictable lead times and allocations risk costly downtime.
- **Working Capital Drain:** Excess stock ties up capital and raises carrying costs.
- **Lifecycle Risk:** EOL notices force last-time buys and redesigns.
- **High TCO:** Complex BOMs and fragmented vendors inflate ownership costs.



Our Solution Bespoke Inventory Programs

- **Vendor Managed Inventory (VMI):** Pay on consumption—inventory off your balance sheet.
- **Excess & Obsolete (E&O) Recovery:** Turn surplus into cash through global resale channels.
- **Strategic Stocking & Kitting:** Secure key parts and streamline full BOM supply.
- **Lifecycle Management:** Proactive EOL tracking and last-time-buy support.



The Value Your Strategic Advantage

- **Continuity of Supply:** Minimize production risks.
- **Optimized Cash Flow:** Free trapped working capital.
- **Lower TCO:** Reduce overhead and inventory costs.
- **Risk to Revenue:** Recover value from excess stock.

Inventory Management Challenges - ASC Solutions

CHALLENGE

OEM Excess Inventory Optimization

A Tier 1 electronics manufacturer was burdened with \$2.5M in excess stock due to inaccurate demand forecasts and slow-moving components.

SOLUTION

- Implemented Vendor Managed Inventory (VMI) to align stock with real-time usage.
- Identified 17% obsolete parts for resale and recovery.
- Improved working capital by freeing \$1.2M in unused inventory.

Consolidated suppliers to cut procurement lead times by 39%.

CHALLENGE

MRO Line Shutdown Prevention

A global automation company risked line downtime due to unpredictable stockouts of power supplies and connectors.

SOLUTION

- Established a bonded stock program for critical components.
- Provided automated restocking alerts based on consumption data.
- Ensured 99.7% on-time delivery with multi-location warehousing.

Reduced emergency procurement costs by 22%.

Products & Manufacturers

Active/Semiconductors

- Diodes
- Memory Programmable
- Logic Microprocessors
- Microcontrollers
- CPU's
- Transistors
- Thyristors
- Triacs
- AD/D/A
- DSPs
- OPAMPS

Interconnects & Relay

- Electrical Connectors
- Plugs
- Sockets
- Pins
- Printed Circuit Boards
- Wire Cable & Assemblies
- Relays - Solid State
- Power
- Signal
- Time Delay

Electromechanical

- Acoustic Components
- Motors & Mechanisms
- Replays & Keyboards
- Relay Sockets
- Sensors
- Switches
- Transducers

Passive

- Capacitors
- Inductors
- Transformers
- Resistors
- Crystals and Oscillators
- EMS/RFI Components

Capacitors

- Film Ceramic
- Electrolytic
- Tantalum
- Aluminum
- Electrolytic Polyester Film
- Chip

Integrated Circuits

- Memory
- Data Converters
- Power Management
- Linear
- Clock & Timing
- Logic



Quality Testing - Sample Reports

Failure Analysis

- Scanning Electron Microscopy (SEM)
- Energy Dispersive X-ray Spectrometry (EDX)
- Scanning Acoustic Microscopy (SAM)
- Cross-section (Microsection)
- Parallel Lap
- Hot Spot Test
- Electrical Test

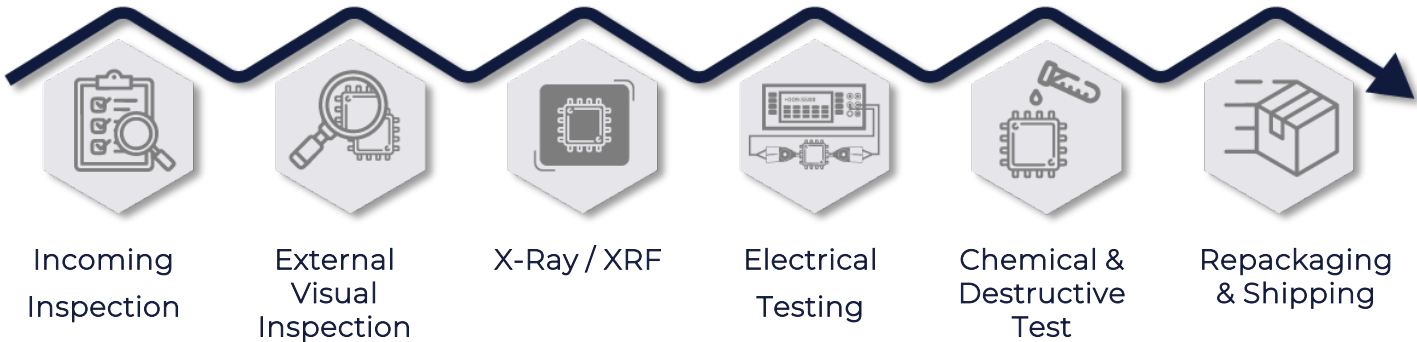
Electrical Testing

- Thermal Cycle
- Thermal Shock
- Burn-in
- Drop Test
- Vibration Test
- Environmental Exposure (Temperature And Humidity)
- Salt Spray Test
- Electrical Overstress Testing
- Mechanical Stress Testing

Counterfeit Avoidance Testing

- Documentation and Packaging Inspection
- External Visual Inspection
- X-ray Fluorescence (XRF)
- X-ray Analysis
- Heated Solvent Test
- Decapsulation and Die Analysis
- Electrical Test

QUALITY CONTROL PROCESS FOR EVERY ORDER



Click button to watch video



View Report

Function Test Report			
Basic Information			
PO Number	34945	Order By	
Quantity Received	500pcs	Quantity Inspected	200pcs
Report Date	2022/07/27	Report Number	L2022072101
Prepared By	Keith	Approved By	Kenny

TOP CLIENTS

Automotive

Continental



BOSCH



RENAULT



Mercedes-Benz

Consumer Electronics



SAMSUNG

Medical



GE HealthCare



Abbott

SIEMENS

Manufacturing

flex **JABIL**

FOXCONN

Aerospace



BOEING

AIRBUS

Industrial

ABB

Honeywell

Schneider
Electric

Rockwell
Automation

E-comm & Excess Stock Management

**GLOBAL COMPONENT
ACCESS**

Vendor Consolidation

RUSH ORDERS

Fast Delivery

**EXCESS
INVENTORY
SOLUTIONS**

International Exposure

Maximize Value

**BILLIONS OF
VETTED PARTS**

Real-time Stock Visibility

www.ascglobal.com

**GLOBAL
SOURCING
MADE SIMPLE**



Component Market Report

Download
your latest
Market
Report Q4
2025



1. Lead-Time Report – Factory Lead-Times vs. Open Market Trends
2. Most Tested - Device Type & Manufacturer
3. Hottest Items
4. Product & Manufacturer Updates
5. Earnings Recap & Industry News

Click here to read our
market report online

Market Report | Q4-2025

ASC GLOBAL

Lead-Time Report

The following insights stem from thorough research of ASC Global's marketing team combined with the expertise of all our departments. The information is designed to provide guidance and should be approached as such. ASC Global excels in supply chain strategies that effectively address market volatility. For a deeper understanding, kindly reach out to your Account Manager.

Stable

Increasing

Decreasing

End of life

Analog

Power

Passives

Memory

Logic & Digital

Electromechanical

< Analog >

Product	EOL	Factory Lines		Open Market	
		Lead time	Availability	Availability	Availability
Sensors	onsemi	18-22	++	++	++
	Vishay	24-32	++	++	++
	Maxim	12-60	++	++	++
	TE Connectivity	16-52	++	++	++
Switching Regulators	MPS	12-24	++	++	++
	Microchip	8-20	++	++	++
	STMicroelectronics	10-22	++	↓	++
Timing	Onsemi	10-20	++	++	++
	Microchip	22-32	↑	++	++
	Renesas	7-12	++	++	++
		12-24	++	++	++

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Market Report | Q4-2025

ASC GLOBAL

End of Life (EOL)

Product	EOL	Replacement	Impact on Operations
ADP443	Feb 2025	ADI alternative FETs as suggested in PCN	Medium – may require minor redesign or component substitution in power circuitry
ADXL335	Jul 2025	ADI MEMS accelerometer family alternatives	High – sensor calibration and firmware may need updates

Infinion

Product	EOL	Replacement	Impact on Operations
SGW25N20K3	Sep 2025	ICW25N20K3 (Infinion recommended successor)	High – IGBT replacement may require thermal and gate drive adjustments
ICW25N20K3	Dec 2025	Newer ICW series FET/IGBT family (successor)	Medium – mostly drop-in, verify electrical characteristics

Siemens

Product	EOL	Replacement	Impact on Operations
57-800 System	Oct 2025	SIMATIC 57-1500 / ET 200SP family	High – full PLC migration, software, and I/O reconfiguration required
ET 200M I/O Modules	Oct 2025	ET 200SP / 57-1500 modules	High – I/O layout changes and PLC program updates needed

Allen-Bradley / Rockwell

Product	EOL	Replacement	Impact on Operations
RLLogix 5	Dec 2025	Studio 5000 / ControlLogix migration path	High – software migration, program conversion, and training required
PLC-5 Modules	Dec 2025	ADI MEMS accelerometer family alternatives	High – hardware and software reconfiguration

Omron

Product	EOL	Replacement	Impact on Operations
GBN1 DC12 Relay	Sep 2025	GBN2 family replacements	Medium – check mechanical footprint and electrical ratings
GBN17LR DC12 Relay	Sep 2025	GBN2-17D / GBN2 family replacements	Medium – may require minor board layout adjustment

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Market Report | Q4-2025

ASC GLOBAL

Test & Failure Rates

By Device Type

In Q3 2025, EPGAs (7.2%) and memory ICs (6.5%) registered the highest test rates, underscoring their importance in AI and data processing. MCUs (5.6%), capacitors (4.8%), and RF devices (4.7%) followed, reflecting strong demand in industrial automation, communications, and high-performance computing environments.

Top 10 Component Types by Failure Rate

Here's a list of the top 10 device types most likely to fail our quality tests in July.

1. Rectifiers

2. Discrete Semiconductor Products

3. Passive-Resistor

4. Digital Signal Processing (DSP)

5. Converter

6. Inductor

7. DC Converters

8. Processor

9. FPGAs

10. CPLD

This ranking is determined by the proportion of failed results compared to the total units tested in each category. While some failures stem from aging or mishandling, others could indicate more serious quality issues or potential counterfeit threats.

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Market Report | Q4-2025

ASC GLOBAL

Earnings Recap

Automotive

Company	Revenue	Net Profit	Adjusted EPS	Adjusted EBIT margin
Magna International	\$10.06 billion (+8.2% YoY)	\$146 million (+8.6% YoY)	\$0.78 (-28% YoY)	-
Bosch Group	\$35.9 billion (+6.2% YoY)	\$79.8 million (+8.6% YoY)	\$5.9 million (-11.6% YoY)	-
TE Connectivity	\$4.53 billion (+14% YoY)	\$2.27 million	-25%	-

The global automotive sector faces challenges in 2025, with U.S. sales projected at 16.02 million units, a slight decline from the previous year. Continental AG anticipates a significant financial impact from U.S. tariffs, estimating a "high double-digit million-euro" hit in the second half of the year.

AI and Data Center

Company	Revenue	Operating Income	Net Income	Non-GAAP EPS
NVIDIA	\$39.3 billion (+12% QoQ, +93% YoY)	\$13.6 billion (+40% YoY)	\$1.53 billion (+27% YoY)	-
Dell	\$23.9 billion (+7% YoY)	\$2.16 billion	\$1.53 billion (+27% YoY)	-
Super Micro Computer	\$5.8 billion (+143% YoY)	\$195 million	\$0.41	-

The AI and data center industries are experiencing robust growth. OpenAI reported \$4.3 billion in revenue for the first half of 2025, a 16% increase from the previous year. Simultaneously, data center development financing is reaching record levels, with an estimated 10 GW of capacity projected to break ground globally in 2025.

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ASC Benefits

Global Customer Service

- Global workforce of 100+ International Employees
- 20+ Languages & Multilingual Customer Service
- 9 Offices in North America, Europe, and Asia
- 24 / 7 / 365 Customer Support
- Accountability & Transparency

Financial Strength

- Ability to handle monetary ranges from \$1,000 to \$10,000,000 per order
- Flexible Payment Terms
- Credit Limits up to \$20M
- \$20M Insurance on All Orders

Distribution Expertise

- 28+ years in Business
- Network to buy & sell anything
- Free Quality Testing
- 24-48h Worldwide Delivery
- Billions of parts in stock, ready to ship
- +1,000 Brand Name Manufacturers
- "0" Risk Policy

Certifications

AS 9120:2016
AS 6081:2012
ISO 9001:2015



Recognized Achievements

ASC Global named a Top 10 Independent Distributor of North America 2023. A significant achievement, made possible by countless solutions to worldwide dilemmas and continuous global expansion.

This is only the beginning of an exciting development at ASC in the very near future.



Tradeshows

Electronica
Germany 2024 & 2022



Electronica China
Shanghai 2024



Electronica South China
Shenzhen 2023



Electronica India
India 2023



Embedded World
Germany 2022 & 2023



APEC
USA 2023



PBExpo
USA 2023



SM&E
UK 2023



Automotive Meeting
Mexico 2023



Evertiq Expo
Poland 2023



Electronica Highlights

Take a tour of our 350sqm booth at Electronica Germany.

Filled with hospitality and care for future clients.

Delightful bites, café style conversations, and lounging with entertainment.



Press Releases, Interviews & Rankings

Media
Recognition

ELECTRONICS
sourcing

EMS NOW

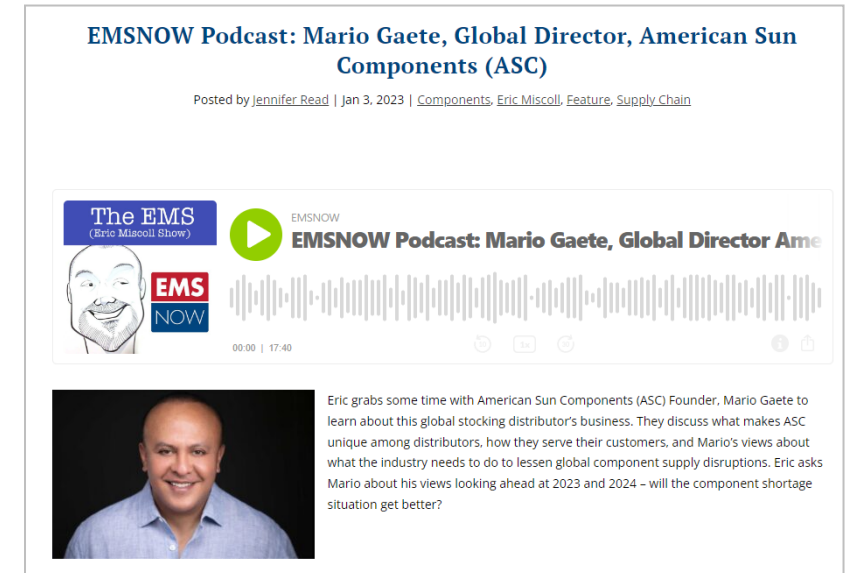
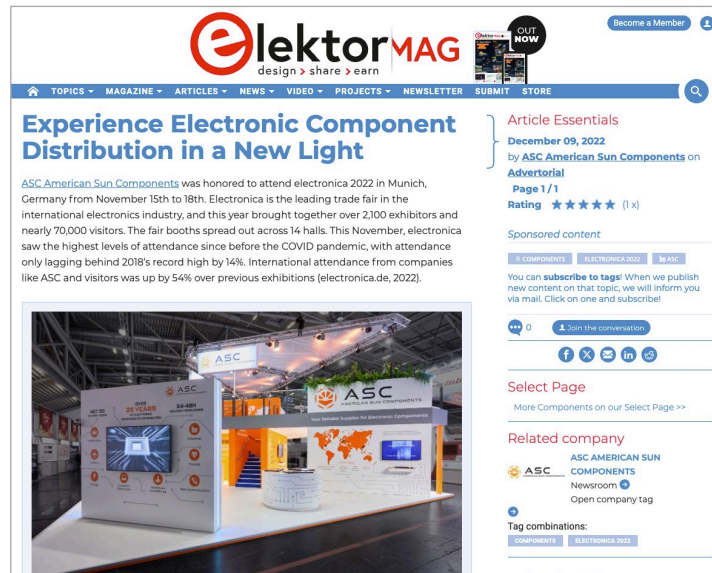
elektor
design > share > earn

smttoday
Electronics Beyond Content.

SUPPLY & CHAIN
connect™

EPSNews
News For Electronics Purchasing And The Supply Chain

Electronics World



Electronics Sourcing – ECS Tradeshow article

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Latest Industry News

Bi-weekly Component Compass

COMPONENT COMPASS
NAVIGATE THE MARKETPLACE



October 31, 2025

- Nexperia Power Struggle Deepens Amid Dutch Takeover
- Nvidia Invests \$1 B in Nokia to Boost AI Networks
- Amazon Unveils Massive 14,000 Job Cuts Amid AI Shift



COMPONENT COMPASS
NAVIGATE THE MARKETPLACE



September 19, 2025

- Global Memory Prices Surge Amid Supply Tightening Pressures
- SanDisk Sees Strong NAND Demand Driving Price Hikes
- Micron Freezes Quotes, Eyes 20-30% Memory Price Hikes

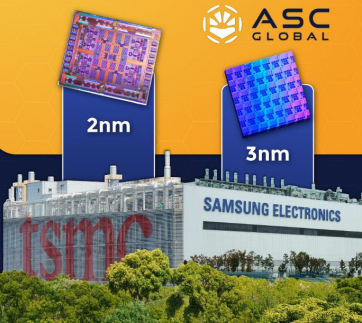


COMPONENT COMPASS
NAVIGATE THE MARKETPLACE



July 25, 2025

- Samsung Accelerates Texas Chip Fab Amid U.S. Demand
- TSMC Fast-Tracks Arizona Expansion, 2nm in Focus
- Semiconductor Firms Benefit from Eased U.S.-China Tensions



Timely Industry Updates

NEXPERIA UPDATE



NEXPERIA HQ in the Netherlands SUSPENDED Wafer Shipments to China (Since Oct 29)

Misuse of Corporate Seals, Unauthorized Accounts, Redirected Payments at China factory

Uncertified Local Wafers Used in Production, NOT from Genuine Sources

70% of European-produced chips are packaged in China

nexperia CROSSES

Multi-sourcing strategies and early revalidation programs are more critical than ever.



nexperia Supply Chain Alert

Dutch government takes control of Nexperia B.V., a Chinese-owned semiconductor manufacturer in the Netherlands.

- Decision was made after China issued export restrictions on Nexperia's Chinese facilities, suspending shipments of discrete semiconductor components to the EU and U.S.
- The Goods Availability Act allows The Hague to intervene in private companies to ensure the availability of critical goods in preparation for emergency situations.
- We have stock and availability through our global vendor network, ready to ship!

Current Risk Overview

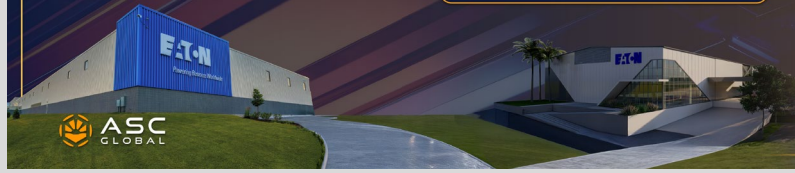
CATEGORY	TYPICAL SERIES	DIFFICULTY TO REPLACE	KEY REASON
EEPROM / EEPROM MOSFET	PS96N, BU2T, N0080	Very High	Proprietary Packaging, Thermal
Isol. Diodes	NED5000-S500	Very High	Unique Automotive Design, Integration
Small-Signal Discretes	BAV99, PM07300A	High	Legacy Specs, Tight Parameters
Logic ICs	74VHC1VC Families	High	Qualification Depth, Drop-in Fit
ESD/TVS	PTSD series	Moderate	Certification Dependency
SiC / GaN	N5P, CAN50V	Very High	Custom Modules, Early Co-Development

RESTRICTED

EATON BUSSMANN

Factory changes are causing major delays

Eaton's operational adjustments, including shifting production sites, are causing significant lead time extensions, product shortages, and general order processing delays for certain Eaton product lines.



THE TRUE COST OF DOWNTIME

Why Downtime Costs Are Rising Faster Than Inflation

Unplanned downtime has emerged as one of the biggest financial threats to manufacturers worldwide.

Across industries, every hour of halted production now costs significantly more than five years ago.

- **Energy crisis:** Post-2021 price spikes raised global operating costs.
- **Complex supply chains:** Interconnected systems amplify disruptions and losses.
- **Inflation vs downtime costs:** U.S. inflation rose 19%, while downtime costs jumped 113% in Automotive and 319% in Heavy Industry.

