



Obsolescence Report

December 2024





EOL Obsolescence Alerts Report

December 2024

Manufacturer	Number of EOL Part Numbers	Link to Part Numbers
		Part Numbers
NXP SEMICONDUCTORS	94	Part Numbers
RENESAS ELECTRONICS CORP	19	Part Numbers
TEXAS INSTRUMENTS INC	16	Part Numbers
VISHAY INTERTECHNOLOGY INC	7	Part Numbers
MICROCHIP TECHNOLOGY INC	6	Part Numbers
STMICROELECTRONICS	6	Part Numbers
TOSHIBA CORP	5	Part Numbers
		Part Numbers
PHOENIX CONTACT GMBH & CO KG	5	Part Numbers
ONSEMI	4	Part Numbers
		Part Numbers
MICRON TECHNOLOGY INC	3	Part Numbers
GREENLIANT SYSTEMS LTD	3	Part Numbers
		Part Numbers
FLEX LTD	2	Part Numbers
INFINEON TECHNOLOGIES AG	2	Part Numbers
TDK CORP	2	Part Numbers
		Part Numbers
LITTELFUSE INC	1	Part Numbers
		Part Numbers
TAIWAN SEMICONDUCTOR CO LTD	1	Part Numbers
		Part Numbers
U-BLOX AG	1	Part Numbers
TE CONNECTIVITY LTD	1	Part Numbers
ANALOG DEVICES INC	1	Part Numbers
DIODES INC	1	Part Numbers



Discontinued Obsolescence Report

December 2024

Manufacturer	Number of EOL Part Numbers	Link to Part Numbers
		<u>Part Numbers</u>
NXP SEMICONDUCTORS	94	<u>Part Numbers</u>
RENESAS ELECTRONICS CORP	19	<u>Part Numbers</u>
TEXAS INSTRUMENTS INC	16	<u>Part Numbers</u>
VISHAY INTERTECHNOLOGY INC	7	<u>Part Numbers</u>
MICROCHIP TECHNOLOGY INC	6	<u>Part Numbers</u>
STMICROELECTRONICS	6	<u>Part Numbers</u>
TOSHIBA CORP	5	<u>Part Numbers</u>
		<u>Part Numbers</u>
PHOENIX CONTACT GMBH & CO KG	5	<u>Part Numbers</u>
ONSEMI	4	<u>Part Numbers</u>
		<u>Part Numbers</u>
MICRON TECHNOLOGY INC	3	<u>Part Numbers</u>
GREENLIANT SYSTEMS LTD	3	<u>Part Numbers</u>
		<u>Part Numbers</u>
FLEX LTD	2	<u>Part Numbers</u>
INFINEON TECHNOLOGIES AG	2	<u>Part Numbers</u>
TDK CORP	2	<u>Part Numbers</u>
		<u>Part Numbers</u>
LITTELFUSE INC	1	<u>Part Numbers</u>
		<u>Part Numbers</u>
TAIWAN SEMICONDUCTOR CO LTD	1	<u>Part Numbers</u>
		<u>Part Numbers</u>
U-BLOX AG	1	<u>Part Numbers</u>
TE CONNECTIVITY LTD	1	<u>Part Numbers</u>
ANALOG DEVICES INC	1	<u>Part Numbers</u>
DIODES INC	1	<u>Part Numbers</u>



Discontinued Obsolescence Report

December 2024

Manufacturer	Number of EOL Part Numbers	Link to Part Numbers
RENESAS ELECTRONICS CORP	1	Part Numbers
ROHM CO LTD	1	Part Numbers
SANKEN ELECTRIC CO LTD	1	Part Numbers
SCHAFFNER HOLDING AG	1	Part Numbers
SCHNEIDER ELECTRIC SA	1	Part Numbers
SEMIKRON INTERNATIONAL	3	Part Numbers
SKYWORKS SOLUTIONS INC	13	Part Numbers
STMICROELECTRONICS	1	Part Numbers
SUNON INC	1	Part Numbers
TAIWAN SEMICONDUCTOR CO LTD	1	Part Numbers
TDK CORP	6	Part Numbers
TE CONNECTIVITY LTD	15	Part Numbers
TEXAS INSTRUMENTS INC	36	Part Numbers
VISHAY INTERTECHNOLOGY INC	47	Part Numbers
WUERTH ELEKTRONIK GMBH & CO KG	1	Part Numbers
XICON PASSIVE COMPONENTS	1	Part Numbers



Rebound Electronics

Support Summary 





When designing a new product, maintaining production, or supporting existing products, partnering with Rebound offers numerous benefits that streamline your processes and enhance overall success.



Semiconductor Obsolescence Report – December 2024

As of December 2024, multiple semiconductor manufacturers announced End-of-Life (EOL) or discontinuation plans for key components across product lines. These announcements primarily targeted older-generation components, reflecting shifts in market demand, technology advancements, and the industry's transition to newer, more efficient technologies. Below is a summary of key trends and insights based on the announcements.

Key Highlights

Major Companies and Key Products Affected

- **NVIDIA:** Announced the planned EOL for workstation GPUs (e.g., RTX4090, AGX800 series), signaling a focus on next-generation AI accelerators.
- **Samsung:** Discontinued DDR3 memory modules, underscoring the transition to DDR5 memory technologies.
- **Intel:** Xeon E5-2600v4 series processors reached EOL, aligning with Intel's roadmap for advanced server processors.
- **AMD:** Radeon RX 6000 series GPUs were discontinued, shifting focus to the Radeon RX 7000 series.

Key Last-Time Buy Deadlines

- Deadlines vary but are typically set for mid to late 2024, providing customers limited time to plan and secure inventory.
- Companies such as Analog Devices, ON Semiconductor, and UNITES Systems set deadlines of December 31, 2024, for purchasing specific products.

Technology Trends Driving Obsolescence

- Transition from older fabrication nodes (e.g., 28nm and 45nm) to cutting-edge nodes (e.g., 3nm and 5nm) is a key driver.
- Increased adoption of low-power, high-efficiency designs has rendered legacy components less viable.
- Memory technology shifts, such as from DDR3 to DDR5, have impacted supporting products like controllers and drivers.

Geopolitical and Economic Factors

- Ongoing supply chain challenges and geopolitical tensions (e.g., US-China tech restrictions) have accelerated product obsolescence.
- Manufacturers aim to streamline production lines to manage operational costs effectively.



Industry Insights

Supply Chain Impact

- Companies heavily reliant on legacy components need to assess their supply chain resilience and explore redesign or requalification strategies.
- Broker markets for obsolete components are expected to see increased activity, potentially leading to price hikes and inventory shortages.

Opportunities for Transition

- EOL notices create opportunities for redesign and innovation using advanced technologies.
- Businesses can optimise product designs around energy efficiency, performance, and cost-effectiveness by adopting next-generation components.

Customer Mitigation Strategies

- Early assessment of EOL impact is critical for minimising production disruptions.
- Collaborating with suppliers for last-time buy planning and inventory stockpiling is essential.
- Evaluating long-term roadmaps with preferred suppliers ensures alignment with technology trends.

Sustainability Considerations

- Obsolete components contribute to electronic waste. The industry is encouraged to prioritise recycling and resource recovery strategies.

Recommendations for Stakeholders

For OEMs and Designers:

- Audit bills of materials (BOM) and identify high-risk parts.
- Establish strong supplier relationships to ensure timely EOL updates.

For Component Distributors:

- Focus on stocking critical legacy parts in demand to meet customer needs.
- Provide clear communication and alternative solutions for affected customers.

For Policy Makers:

- Encourage collaboration between governments and industry players to mitigate supply chain risks.
- Promote investments in advanced manufacturing capabilities domestically.



Staying Informed // News and Events

IOM UK has entered a new collaboration with Rail Forum UK. IOM are enabling IOM members to participate in Rail Forum events, as well as hosting an Obsolescence event for Rail Forum members proceeding IOM's next member meeting.

SAVE THE DATE - 20th - 23rd October 2025

IOM are excited to announce that the 2025 IOM International Conference & Exhibition will take place from 20th – 23rd October 2025 in Paris.

PFAS

PFAS – Poly Fluro-Alkyl Substances: PFAS is still being looked at by authorities worldwide, under varying scopes. The EU is still working its way through meetings on various use cases before a Restriction Proposal is submitted. This should be published in 2025, only once the proposal is submitted will industry know the extent of the proposed Restrictions. The UK has also put PFAS on the Registry of Restriction Intentions with a dossier due March 2025.



International Conference Paris 2025

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