

Rochester Electronics

THE SEMICONDUCTORS YOU NEED ARE HERE

We manufacture. We supply. We distribute.
We replicate and re-create. We test and certify.
We procure and store. We extend life.

Rochester Electronics - more than a distributor

More than 50 semiconductor manufacturers worldwide have authorized us as the supplier of products they've stopped making. Why? Because we continue to serve their customers with the superior service they've come to expect. When a semiconductor manufacturer names Rochester as its authorized distributor, it simplifies the end-of-life process for customers. Because Rochester acquires all existing device inventory, wafers and die, tooling and equipment, testing equipment, and intellectual

Did you know?

Rochester manufactures more than 20,000 devices from its wafer bank using the original manufacturer's tooling and process information.

property, it's not "end-of-life", just a transfer of technology. They can get the same parts with the same high performance.

More than an "end-of-life" product provider

If we don't have the part you need in inventory, there's a good chance we are authorized to manufacture it. We don't emulate the part like most companies do – getting close to the original but not quite matching it – we replicate the exact part with the Rochester Semiconductor Replication Process (SRP)™. With the original manufacturers' silicon wafers/die, test systems, test programs and intellectual property, we can manufacture devices that meet the fit, form, function and testing of the original components. No other company has these capabilities or manufactures the number of devices we do.

Did you know?

Rochester's 30,000-sq.ft. test facility provides comprehensive electrical, environmental and burn-in testing, just like the original manufacturer.

More than a semiconductor manufacturer

Semiconductor manufacturers authorize Rochester to supply their discontinued components because they know the guaranteed continued supply of parts results in satisfied customers who return for their next generation design time after time. Rochester offers the full range of options for extending the life of discontinued semiconductors. In addition to supplying inventory and manufacturing services, we work directly with customers to put semiconductor life-extension plans in place

that are cost-effective, timely and convenient. Need a climate-controlled environment to store your last-time buy? We do that. Need a logistics plan for accessing stored devices on a defined schedule? We do that. Need your current bill of materials evaluated and then monitored

Did you know?

More than 50 of the world's leading semiconductor manufacturers trust Rochester to continue supplying their discontinued devices.

for end-of-life notices? We do that. Need a device reverse-engineered because you only have one part left? Yes, we do that, too.



More than just a supplier

Long before the rest of the industry recognized the serious issues posed by counterfeit parts, we were rallying the industry to face the problem head on. Because every part we manufacture or supply is 100% traceable and certified, customers know that the semiconductors they buy from us are authentic, quality parts that meet performance expectations. In 2006, Rochester launched a comprehensive anti-counterfeit awareness campaign, and continues to lead the fight against sub-standard and counterfeit parts through our partnership with the SIA in creating the Electronics Authorized Source Directory (www.electronicasasd.com). Re-testing and screening is not as effective a protection method as buying from an authorized source in the first place.

Did you know?

Rochester's stock inventory includes more than five billion finished devices and more than 10 billion die.

Everything you need

Who is Rochester Electronics? We are a complete semiconductor Extension-of-Life™ solution provider that offers products, programs and services tailored to your business needs. When Rochester is authorized by a semiconductor manufacturer to supply a discontinued part, that component is no longer obsolete. That's why Rochester Electronics is the best long-term semiconductor solution.

Transforming "End-of-Life" to "Extension-of-Life"™ Planning Ahead Makes Part Obsolescence Obsolete

For most semiconductors the question isn't if they will be discontinued, but when? More than 2,000 end-of-life announcements are made each month, resulting in shorter product life cycles than ever before. Still many semiconductor manufacturers and customers fail to plan until late in the product lifecycle, if at all.

End-of-life Shouldn't Mean Start-of-Panic

Simply buying up as much available product as possible on a last-time buy may be a partial solution, however it can also be expensive, inefficient, impractical and inaccurate. What's the backup plan when the last-time buy inventory runs out? What projects will be delayed due to the reallocation of engineering resources to resolve the problem?

When a semiconductor is discontinued, the challenge is more than simply finding a similar component and replacing it. Changing just one part number in a system requires costly and time-consuming re-design, especially if the part is specified for a government, military or other hi-rel application requiring re-certification.

Myth:

As long as the original manufacturer issues an end-of-life announcement and offers a last-time buy, it has done everything it can to assist the customer.

Fact:

Ensuring a long-term supply of parts by authorizing a technology transfer partner like Rochester that can continue to make the parts long after the end-of-life announcement is the best assistance any semiconductor manufacturer can offer. Satisfied customers become repeat customers, and everybody wins.

End-of-Life Should Really Be Extension-of-Life™

It's never too early to put an extension-of-life plan in place. Doing so early in the product design cycle opens up several options, essentially turning the catastrophe of "end-of-life" into the opportunity for "extension-of-life."

Planning ahead means the semiconductor manufacturer chooses an authorized supplier and develops a plan for a technology transfer to continue delivering the part to customers when they no longer manufacture the device. When they partner with Rochester Electronics, all the existing finished device inventory, wafer and die inventories can be transferred to Rochester, as well as intellectual property, tooling, testing equipment, and all the necessary equipment to enable continued manufacturing of the semiconductor. This pre-planning for transfer of technology provides customers with a long-term supply solution of quality parts. It also provides both semiconductor manufacturer and customer a

"no-risk" future project relationship, since the customer will never experience a sudden end-of-life announcement.

For the semiconductor buyer, calling Rochester early assures a continuous supply of components through special programs that include bill of materials evaluation and monitoring for EOL announcements; secure and climate-controlled storage of the customer's own parts inventory; logistics for scheduled release of the parts to the customer; and in some cases, replication of parts where the IP is no longer available.

It's Almost Never Too Late

Although planning ahead is the optimal solution, sometimes end-of-life announcements are vague or go unheeded, and a customer is in need of a part that no longer exists. Through the unique Rochester Semiconductor Replication Process (SRP)™, a part can be reverse-engineered to create an exact replica, delivering a semiconductor with the same specifications and performance as the original. As long as you have one functioning part left, it's never too late to extend the life of a device.

Risky Proposition

Those who are still not convinced of the value proposition in planning ahead for end-of-life may think there are plenty of brokers who can locate discontinued semiconductors, so why worry about the issue before it arises? The truth is that buying from an unauthorized source means you can't be certain of a part's origin, authenticity, or whether it was stored and shipped properly. The only way to be certain a part isn't damaged or counterfeit is to buy through a supplier authorized by the original manufacturer.

Planning ahead for Extension-of-Life protects the semiconductor manufacturer's reputation and the customer's product reliability, while making part obsolescence obsolete.

OEMs and CEMs, call 978-462-9332 to place your part order and mention code "Lobster" for a Legal Seafood Lobster-pak.



Offer valid on orders placed May 4th-31st, 2009.*



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