




# OBSOLESCENCE SOLUTIONS

Manufacturers	Products	Applications
 <p>micross one source. one solution.™</p>	<p>Counterfeit Mitigation Services: IC Counterfeit Detection Testing            Component Modification: Robotic Hot Solder Dip - Compliance with RoHS directive            lead-free Solder Alloy, grid failure &lt;1%            Elimination of Tin-Whiskers through tin-lead-alloy            Component Obsolescence Challenges, Non-availability of tin-lead components            Life-time buy opportunity (Long Term Packaging)            BGA Reballing for the Conversion of tin-lead, Component Harvesting            Lead Reconditioning, Lead Attach Coplanarity and Compression Bond            Forming and Cutting of Pins            Gold Mitigation, column grid array (CGA) interconnect technology            Packaging &amp; Assembly, Electrical &amp; Environment Testing</p>	<p>Aerospace &amp; Defense, Space, Industrial Applications, Implantable Medical Industry, Transportation</p>
 <p>WINSLOW ADAPTICS</p>	<p>Design &amp; manufacture for the electronic system lifecycle            Custom solutions for mitigating Device Obsolescence and Board Re-Design            Adapter Products, Interconnect Pitch Adapters, Programming Adapters,  <b>Allocation &amp; Obsolescence</b>            ASIC / FPGA Adapters to include code reconstruction and re-targeting; Package/            1:1 Footprint Conversion, Device Re-targeting, Connectors; Reverse Engineering of            Small Plastic &amp; Metal Parts; Atmel AVR Adapters for Micro Controllers  <b>Test &amp; Development</b>            Production &amp; Test Sockets, Prototyping Adapters/Interposers,            Emulation &amp; Test Interface, Programming Adapters, Voltage Regulation,            Test Clips &amp; Modules, Custom Development  <b>Interconnect</b>            Screw Machine/ Turn Pin Sockets, Dual Row Component Header, PCB Connectors,            Single Row High Profile IC Sockets, Stamped Pin IC Sockets , Wire Wrap  <b>Jermyn Semiconductor Hardware</b>            Mounting Pads, Transistor &amp; Circular IC Sockets, Opto/Diode Display Sockets,            Insulators, Panel Washers, Bushes and Covers, Component Carriers, Heatsinks,  <b>Precision Engineering</b>            Reverse Engineering Solutions; Injection Moulding , CNC Machining, Toolmaking</p>	<p>Adapter Solutions, Aviation, Defense, Space, Automotive, Medical Industry, Industrial Applications, Railway, Package Conversions</p>

 <p>Xsis</p>	<p>High Reliability Hybrid Microcircuit Crystal Oscillators &amp; Crystal Units            Crystal Oscillators: Standard, Military, MIL-PRF-55310, MIL-PRF-38534, MIL-883B            Technology; TTL-LVTTL-CMOS-HC/ACMOS-ECL; Lowest voltage is 1.8V, SMD-Packag-            es 5x7mm; Crystal Units: QPL Crystal Units, Custom Crystal Units; Obsolete Through            Hole packages, Custom Solutions; High Temperatures up to +230°C            High Shock &amp; Vibration Designs, Up-Screening Program</p>	<p>Defense, Space, Aircraft, Hi-Rel Applications, Industrial Products, Telecommunications, High Temp. Products</p>
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# DISPLAYS & CONTROL ELEMENTS

Manufacturers	Products	Applications
 <p>EverSwitch</p>	<p>Touch Metal Piezo Switches &amp; Keypads, Non-Touch Infrared Metal Switches            Piezo Electric Pushbutton Switches: Ring-, Point- and Non-illuminated from 16mm            to 28mm diameters. Piezo Electric Keypads, Access Control Stand Alone, Access            Control Keypads with communication protocol, Access Control Keypad Readers,            Industrial Solutions and Custom Designs, all products are in Aluminum or Stainless            Steel with an operation temperature from -40 to +125°C and IP68/69K protection            Tested for 50,000,000 cycles including vibration and impact tests,            Non-Touch Infrared Metal Switches with detection range 5 to 80cm            Piezo Technology Pushbuttons work reliably under a glass thickness of 3 mm</p>	<p>Access Control Panels, Fuel dispensing e-Car Charging, Underwater, Submarines, Oil and Gas, Parking Systems, Rail Traffic &amp; Public Transport, Emergency Switches</p>
 <p>SUNLIKE DISPLAY TECH. CORP.</p>	<p>Character Displays of 8x1, 10x4, 16x1, 16x4, 20x2, 20x4, 24x2, 40x2, 40x4, 68x4            Graphic LCDs (TN/ STN/ FSTN/ DFSTN) Displays with or w/o backlight, COG Displays,            TFT-, LCD-Modules, HMI Modules, UART TFT Displays, Touch Panels,            OLED Character &amp; Graphic Displays, OLED Modules, OLED Switches</p>	<p>Industrial Measuring Instruments, Control Devices</p>

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