


**Embedded
Computer
Solutions**

ADLINK is working closely with Intel® to develop computing technologies by implementing their embedded computing roadmaps. ADLINK provides the highest quality and performance products with the long life cycles required by embedded and applied computing markets. Products include: AdvancedTCA Processor Blades and Platforms, CompactPCI/PlusIO VPX, Industrial SBCs, Motherboards and Chassis, Embedded Flash Storage, Computer On Modules - Rugged Small Form Factor SBCs & Systems - Fanless Embedded Computer.


IoT Modules Kits

Samsung's Artik Platform provides Industry Leading IoT Modules and Development Kits that provide an End to end, Integrated Smart IoT Platform unifying Hardware, Software, Cloud, Security & a Partner Ecosystems into a Single Integrated Offering. ARTIK enables any device to interact with any 3rd party device, app or service. End-to-end security and data protection that starts at the hardware level. Modules, Cloud, and Ecosystem.


**Magnetics Components
LAN, Telecom, RF, Power**

Our products are widely used in access network, backbone, metro, fiber optic switches, fiber optic transceivers, digital television, optical communication, motherboards, network switches, routers, set-top boxes and network data communication industries. Products include RF Transformers, Inductors, Telecom xDSL transformers and splitters, DC to DC Power Transformers, Integrated RJ45 Jacks, Common Mode Filters, Ethernet Transformers.

**Custom
Cable Assemblies
Wire Harnesses**

BKR can build to print or let our engineering team design your custom assemblies for quality, cost and delivery. Complete product and tooling design, fabrication, materials processing and selection. Product line includes, Industrial Cable, Medical cable, Wire Harness, Power Cord, USB cable, Video/Audio, RF Cable Ass'y, Flex cable Ass'y, Semi-Flex Cable Ass'y, Semi-Rigid Cable Ass'y for medical, computer, LAN, RF, automotive, communications.

**Batteries
Lithium-ion polymer
Carbon NanoTube**

Lithium-ion polymer batteries, high quality/performance/capacity ranges from 3mAh to 2000mAh. Batteries for Bluetooth, Ultra thin, Wearables, Radio Controlled, Digital, High Rate, High Voltage, quick charge, battery packs, 18650 cylinder battery. Carbon Nanotube batteries for 6500mAh / Carbon Nanotube LiFePo4 Battery 48v 20Ah with ultra high speed charging and discharging technology makes it a great choice for e-mobile applications.

**TFT Displays
Monochrome Graphics
Character LCD modules**

Custom and standard displays, Monochrome graphics and character LCD modules in TN, STN and FSTN technologies and TFT LCD Module products. E-IPS Technology display is based on the technical characteristics of the new IPS LCD panel, with 178° wide viewing angle, bright colour and images without smearing. E-IPS panels take the cost-optimized structure panels, which have the same brightness with TN and 72% colour gamut.


**Electrolytic, Power Film
And Super Capacitors**

Jianghai is the largest manufacturer of Electrolytic Capacitors in China providing a broad range of SMD, Radial, Snap-in, Lug and Screw type capacitors. Jianghai has a very strong emphasis on the research and development of new products. A Joint-Venture agreement in 1999 with Hitachi AIC and since 2002 with Evox-Rifa secures a world wide leading position for high quality high voltage capacitors. As a consequence of the many partnerships and Joint Ventures, Jianghai capacitors are used successfully worldwide under their own and private label brand names.


**PID
Digital Displays
Solutions**

Samsung Public Information Display is a leader in digital panel technology. Samsung LCD display panels are globally recognized for their professional-grade image quality, high durability and innovative design. Their next-generation digital solutions provide a powerful way to deploy your content and convey your message in a dynamic manner. Video Walls, Outdoor/Indoor Signage, Stretched and Transparent Displays or Interactive Whiteboards.

**DRAM,
NAND FLASH,
SSD (Solid State Drives)**

A long-time leader in the DRAM and the most up-to-date DRAM solutions including components and modules for PC, server and mobile applications. A leading manufacturer of NAND flash solutions as the key components for a diversity of mobile and consumer electronics. Advanced SSD products offer the next-generation storage solution. Also, eMMC and UFS mobile solutions, along with graphics memory, embedded and removable flash storage.

**System LSI
Application Processors**

Samsung Application Processors provide strong performance at minimum power. Leverage their high-performing but low-power-consuming Application Processors to deliver outstanding experiences. The Exynos Application Processor latest improvement, 14nm FinFET process technology, enables differentiated silicon value when compared to the previous 20nm design. Boost processing speeds with shorter transistor distances.


**Supply Chain
Management
Electronic Components**

TechFind is your high quality Open-Market partner for all your electronic component needs. Whether you have shortages, are looking for cost reductions, or require support for EOL/Obsolete hard to find parts, Techfind will provide you with factory original components for a lot less. All parts are 100% traceable, with fresh date codes, full warranty and sourced strictly from franchise distributors around the world.


**Modular Power Components
DC/DC - AC/DC Solutions
Bricks to Semiconductors**

High-performance modular power components, from bricks to semiconductor-centric solutions, from the power source to the point of load. AC/DC Front End Solutions, DC/DC Converters, Bus Converter Modules, Buck - Buck Boost Converters, Configurable and Custom Power Supplies. Solutions include performance critical applications such as enterprise and high performance computing, telecom and network infrastructure, industrial equipment and automation, vehicles and transportation and aerospace and defense electronics.

Thermal Management Design And Manufacturing	Natural Convection Heat Sinks		Baknor offers several manufacturing techniques using natural convection. Machining, Extrusion, Forging, Casting, Folded Fin, Bonded Fin, Skiving, Brazing, Friction Stir Welding. With a focus on custom designs and a selection of standard products, Baknor will provide you the most efficient and cost effective solutions.
	Forced Air Heat Sinks		Forced Air heat sinks make use of a dedicated fan or blower that is fitted either to a specific heat sink or to a group of heat sinks. Fan and heat sink(s) are carefully matched, and designed to blow air either across the fins or directed at the heat sink. This provides faster, localized air movement to remove more heat.
	Phase Change Cooling		Heat pipes and vapour chambers are heat-transfer devices that combine the principles of both thermal conductivity and phase change transition to efficiently manage the transfer of heat between two solid interfaces. They are capable to accept higher heat fluxes than a traditional aluminium or copper surface.
	Liquid Cooling		For high power, high heat dissipation needs, liquid cooling has become the choice of designers striving to manage rising heat loads. Whether it's energy storage, lasers, power generation & conditioning, medical equipment, transportation or military electronics, liquid cold plates offer performance advantages.
	Graphene Film Heat Sink		Graphene FILM Heat Sink is a method that integrates graphene (5300 W/m-K) with diamond powder particles (2300 W/m-K) into a reticular structure, allowing thermal conduction without any interruption, while filling the holes of the mesh with carbon nanocapsules to increase the thermal radiation efficiency.
Custom Metal Fabrication	Precision Machining		Precision custom components and enclosures with attention to detail and part accuracy is matched only by our exceptional on-time delivery rate. Machined enclosures can include sophisticated mounting posts, grooves for water-tight seals, recesses, protrusions, logos, embossing and almost any feature required.
	Fabricated Extrusions		Aluminum design and extrusion technology includes the ability to identify opportunities to reduce material content, proposing simplified assembly and bringing you a variety of fabrication options, from both a performance and cost. Profiles may look the same, but each customer has a unique requirement.
	Castings		Forcing molten metal under high pressure into a die cavity. The cavities are hardened steel tools that have been machined to the shape or near shape of the parts. Die casting allows products to be made with a high degree of accuracy and repeatability with textured surfaces, logos, symbols etc. without further processing.
	Stamping		For customers that would like a premium service at a competitive price. We offer benefits derived from internal tool development, single and progressive die production lines, internal semi auto wet and powered coating line, silk screening and assemblies. Lead time, quality and attention to detail second to none.
	Forging		A shaping process in which a malleable metal part, is worked to a predetermined shape by one or more processes. The technology is for superior mechanical properties with minimum waste of material and provides greater dimensional accuracy. Forging is great for shapes and sizes that can not be casted.
	Metal Injection Molding		Precision engineered metal components. Metal injection moulding (MIM) merges two technologies: plastic injection moulding and powdered metallurgy. MIM offers greater design freedom, eliminating the traditional constraints associated with trying to shape complex parts in many other metals.
Bus Bars	Fabricated Bus Bars		With innovative power distribution solutions, our bus bars are available with a variety of materials, insulation and plating for your exact needs. With technical expertise and advanced manufacturing techniques, Baknor provides you with a variety of customized bus bars, with high quality, low cost and precision machining.
	Laminated Bus Bars		Laminated bus bars are custom designed to meet your requirements for many different unique applications. Benefits are reduced system costs and improved reliability. These are made from layers of fabricated copper, separated by thin dielectric materials and laminated into a unified structure.
Printed Circuit Boards	Aluminum Backed		Metal clad circuit boards use a base metal as an alternative, specifically for heat dissipation. These are also often referred to as Metal Clad PCBs. The dielectrics used are typically 5 to 10 times as thermally conductive as conventional epoxy-glass and a tenth of the thickness resulting in exponential thermal transfer.
	Double Sided To Multi Layer		A very wide range of printed circuit boards including but not limited to flexible, rigid-flexible, single sided, double-sided and multi-layer rigid printed circuit boards (up to 60 layers). Whether your requirements are for large or smaller volumes, we are committed to delivering your product on time with consistent quality.
Value Add RF Communications	Antennas and Microwave Devices		By partnering with external RF expertise in research and development, production and test, Baknor delivers quality solutions for RF / Microwave Filters. Products include Coupler, Dummy Load, MDAS, Filter, Hybrid, TMA, Filter, Duplexer, Power Splitter, Repeater, Cable Assemblies, and Antenna's.
	Active And Passive Products		Passive Products: 4 x 4 Hybrid, Indoor Combiner, 2 x 2 Hybrid, 900 M Rejection Filter, Same Band Combiner, Power Splitter, Dummy Load, DC Block, Multi-Ba Combiner, POI Monitoring - Active Products: Repeater, Signal Amplifier, Microwave Devices, Tower Mounted Amplifier, RF Unit, Pico, Smart Bias Tee.