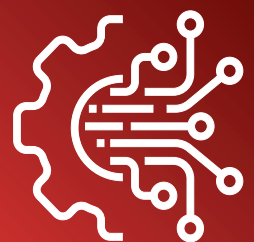


**Semiconductor
Component & Electronic
System Distribution**



**Global Supply
Chain Solutions**



**Value-Added
Services**

Braemac Americas Line Card

Rebranded from Symmetry Electronics

Braemac Americas Line Card

Global Semiconductor Component & Electronic System Distribution | Value-Added Services



Advanced Rugged Computing Solutions;
Embedded Platform



AI Solutions, Computing Systems, Embedded Boards,
Rugged Tablets, Network Solutions, IoT Gateways,
Panel PCs



Antennas, RF Solutions, Electromechanical Timing,
Synchronization, Power, Connectivity



Industrial-grade Computing Solutions, Embedded
Boards, Edge AI Platforms, Smart Cameras, Panel PCs,
Gaming Platforms & Monitors



Edge AI, High Performance GPGPU, Industrial
Embedded Applications



Advanced Wireless Modems



AI, MediaTek Genio based Development
Boards and Kits, Mobile



Wireless RF Modules



Wi-Fi, Bluetooth, and RF Modules and Chips



Embedded Antennas, GNSS/GPS Modules, IoT, RF,
Wireless M2M



Embedded Box PCs, Human-Machine Interfaces,
Industrial Panel PCs, Industrial Display Monitors



Connectors, Development Board Kits and Tools,
Embedded, Electromechanical, Optoelectronics, PCB, RF



Tinker Board, Tinker Edge, Server, IoT Board, High-
Performance 2U Rack Mount HPC Server



Edge Computing and Industrial Motherboards, Single
Board Computing, Industrial Panel PC



Displays System Solutions, Industrial Intelligence



Antenna, GPS, GNSS, RF, Wireless



Cellular Wireless Modules; Global Connectivity



Display and Touch Screen Solutions for Embedded
Industrial Applications



USB Audio, Audio DSP and Wireless Audio Solutions



Display and LCD Modules for Embedded Applications



Audio Components; Speakers, Buzzers, Microphones



Embedded Solutions, Industrial Motherboards,
Application Engineering



Embedded Solutions, Cellular Routers and Endpoints,
Networking, Infrastructure Management, IoT Solutions



Small and Medium Size TFTs



Low-Power, High-Performance FPGAs for Edge
Computing and AI



5G/4G, GNSS and IoT Antennas



Embedded, Power Management IC/PMIC
Development Tools



IoT Devices, Internal Antennas, RF Modules, Single Board
Computers, System-on-Modules, and Custom Solutions



Nordic Semiconductor Bluetooth Low Energy, Cellular
and Wi-Fi Modules



Embedded Design, Industrial SBCs



MCU and SPI, NOR, NAND Flash Memory Devices



Boxed Embedded Solutions, Industrial Motherboards



Antenna, Tuner, and Telematic Systems



LCD Displays for Industrial and Consumer Electronics



Digital Signage, Embedded Systems, HMI, IoT, Media
Players, Network Appliances SMARC, Transport Displays



DC/DC Converters, Emitters and Encoders, Interpolators,
I/O Circuits, Laser Diode and Line Drivers, and Opto Sensors

Braemac Americas Line Card

Global Semiconductor Component & Electronic System Distribution | Value-Added Services



AIoT and Edge Computing, Networking and Servers,
Embedded Computer, Embedded System,
Panel PC & Monitor



IoT Antennas; Virtual Antenna Solutions



FLASH Modules, Industrial Storage Devices, 2.5" SSD,
SATADDM, SD Cards



Low Noise Fans and Thermal Solutions



Memory ICs, Memory & Data Storage



Boxed and Embedded Solutions, Ethernet Connectivity,
Networking, Switches



Camera Imaging Devices



Industrial LCD Panel Displays; High-Brightness &
Sunlight-Readable Displays, AIoT Solutions



Genio One Standard IoT, AI Platform &
High End Processors



Embedded Wireless Modems, LoRa® Modules &
Gateways, Sensors, Device Routers,
Modems and Bridges



Passive LCD, TFTs, VFD, PMOLED Displays



Bluetooth Low Energy, Cellular, Wi-Fi SoC & PMIC



Ultra-Wideband



FeRAM



Embedded SSDs, Ruggedized SSDs, Intelligent
Computing Storage, and System-Integrated Solutions



Cellular, LoRa®, Video ICs



Environmental and Flow Sensors



Correction Services, GNSS Receivers, GNSS Smart
Antennas, and RF



Embedded Systems, IoT Sensors, Wireless Modules



Wireless Wi-Fi Modules for Medical and
Industrial Devices



Bluetooth, Bluetooth Mesh, Wi-Fi, Multi-Protocol, MCU/
MPU/CPU, Z-Wave



Ferri Embedded Storage (eMMC, UFS, SATA/PCIe SSD),
Display Interface Solutions, and NAND Flash Controllers



Industrial Storage Devices, 2.5" SSD, SATADDM,
FLASH Modules, and SD Cards



Power over Ethernet (PoE) Modules, Telecoms Interface
Modules, Battery Charge Control Modules, DC-DC Boost
Converts, PoE-LED Drivers



M2M, IoT Cellular Modules



Connectors, Development Kits, IoT, Open-source
Technologies, Wi-Fi



High Performance CPU/Wireless, HMI, Edge AI, Displays



Embedded, External Antennas, Cellular Solutions,
Ethernet Magnetics, Cables and Connectors,
Audio Solutions



Motion, Automotive & Pressure Sensors, Industrial
Motion Sensors, Microphones, Time-of-Flight Sensors



Hall Switches, Hall-Sensors, Angle Sensors,
Current Sensing



Cellular IoT Modules C1, C4 LTE, Bis, 5G Redcap, GNSS,
Wi-Fi Bluetooth Modules



Embedded SSD, Embedded DRAM Modules, Embedded
Memory Cards, Embedded Flash



Short-Range Wireless & High-Precision
Positioning Modules



Advanced AI, Development Kits, IoT,
MediaTek SoMs and SBC



Embedded, Memory Storage, SSD



Audio, DSP Programmable Computer
IC Semiconductors



Displays for Industrial and Consumer Applications

In addition to global semiconductor component and electronic system distribution, Braemac, a Division of the Exponential Technology Group, Inc. (rebranded from Symmetry Electronics) offers a comprehensive suite of value-added services to help our customers streamline development.



Turnkey Design Service

Braemac offers design services, assembly, and testing of complete customized solutions.



Assembly / Sub-Assembly / Cable Assembly

Our assembly/sub-assembly services address full turnkey box solutions integrating all electronics including PCBA, cables, power supplies, display, and single board computer, all in an enclosure. This service pairs well with our design and kitting & logistics services for seamless support in getting your project off the ground.



Customization

Our customization services allow engineers to address the unique needs of their project. Key examples of our capabilities include:

1. Adding your company logo to a power adapter to make it appear as your own
2. Changing a connector type
3. Adding a serial port or additional peripheral to meet your desired specification
4. Including a custom loom with a Box PC as a bundle



Kitting & Logistics Service

Leave the component sourcing up to Braemac with our extensive portfolio of industry-leading manufacturers spanning solutions for power, chip, compute, displays, test and software, and cable and interconnect. Beyond our line card, Braemac has access to a deep ecosystem of sourcing partners, including five affiliated brands, and counting. Braemac will source your Bill-of-Materials and provide vendor managing inventory (VMI) support to provide timely shipments according to customer forecast.



Programming Service

Through our programming service, Braemac will program parts for our customers prior to shipment. Common uses include customers requiring more added security for their program file, or when production volumes are high and in-circuit programming proves to be a time-consuming task.



Re-Balling Service

Our re-balling service is provided for Ball Grid Array (BGA), Chip Scale Packages (CSP), or packages with solder balls on the underside, where lead free solder balls are removed and replaced with leaded solder balls. Re-balling is commonly utilized in Defense and Aerospace applications.

The Braemac Advantage



Semiconductor
Component &
Electronic System
Distribution

Global
Supply Chain
Solutions

Value-Added
Services

Braemac, a Division of the Exponential Technology Group, Inc. (rebranded from Symmetry Electronics) is a global leader in the distribution of semiconductor components and electronic systems as well as value-added services. Empowering engineers and developers for over 40 years—Braemac features expert in-house engineers, extensive design-phase support, state-of-the-art distribution, value-add facilities, comprehensive supply chain solutions, and unparalleled customer service. Braemac offers solutions for diverse markets and applications, helping customers streamline development, reduce costs, accelerate time to market, and support long term interoperability.

Worldwide Sales Support



Expansive Network, Unlimited Possibilities

Acquired by Berkshire Hathaway's TTI, Inc., Braemac is a proud member of the Exponential Technology Group (XTG) within the TTI Family of Specialists. A collection of specialty semiconductor distributors and engineering design firms, XTG stands alongside industry leaders TTI IP&E and Mouser Electronics. Together, we offer one of the most expansive electronic component inventories in the world, paired with expert-level engineering design services, and a global supply chain solution.

the **TTI FAMILY**
of **SPECIALISTS**

