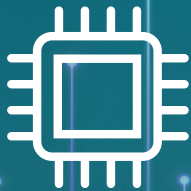




**Our Components. Your Innovation.**



**ELECTRONIC  
COMPONENT  
DISTRIBUTION**



**GLOBAL  
SUPPLY CHAIN  
SOLUTIONS**



**VALUE-ADDED  
ENGINEERING  
SERVICES**

**YOUR LEADING EXPERTS IN WIRELESS & IoT SOLUTIONS**

Established in 1998, Symmetry Electronics, a Division of Braemac, is a global distributor of electronic components and systems. Combining premier components and comprehensive value-added services with an expert in-house engineering team, Symmetry supports engineers in the design, development, and deployment of a broad range of connected technologies.

**+1 (310) 536-6190 | [SymmetryElectronics.com](http://SymmetryElectronics.com) | [info@symmetryelectronics.com](mailto:info@symmetryelectronics.com)**

# Global Distribution

Airgain®)))

iC Haus

SEMTECH®

AMD

ignion<sup>™</sup>

SENSIRION

ASRock®

indie  
SEMICONDUCTOR

SILICON LABS

Cmedia

KAGA FEI AMERICA

Silvertel

DIGI

KYOCERA  
AVX

SIMCom

EAD  
embedded antenna design Ltd

LANTRONIX®

sparkfun  
START SOMETHING

DEFINIX®

MICRONAS

TAOGLAS®

e-peas  
semiconductors

MSTronic Co Ltd

TDK InvenSense

ezurio

MULTITECH

Telit  
Cinterion

FANSTEL

Nippon  
GAZE into the future

Transcend®

FUJITSU

NORDIC  
SEMICONDUCTOR

u-blox

GigaDevice

QORVO

XMOS®

In addition to electronic component and system distribution, Symmetry Electronics, a division of Braemac, employs in-house engineers available to provide hands-on consulting and facilitate value-added services to accelerate the design and development process. Key services include turnkey design, assembly/sub-assembly, customization, kitting & logistics, programming, and re-balling—all available on a global scale.



## Turnkey Design Service

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



## Assembly / Sub-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 Symmetry Electronics 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, Symmetry Electronics has access to a deep ecosystem of sourcing partners, including nine affiliated brands, and counting. Symmetry Electronics will source your Bill-of-Materials (BOM) and provide Vendor Managing Inventory (VMI) support to provide timely shipments according to customer forecast.



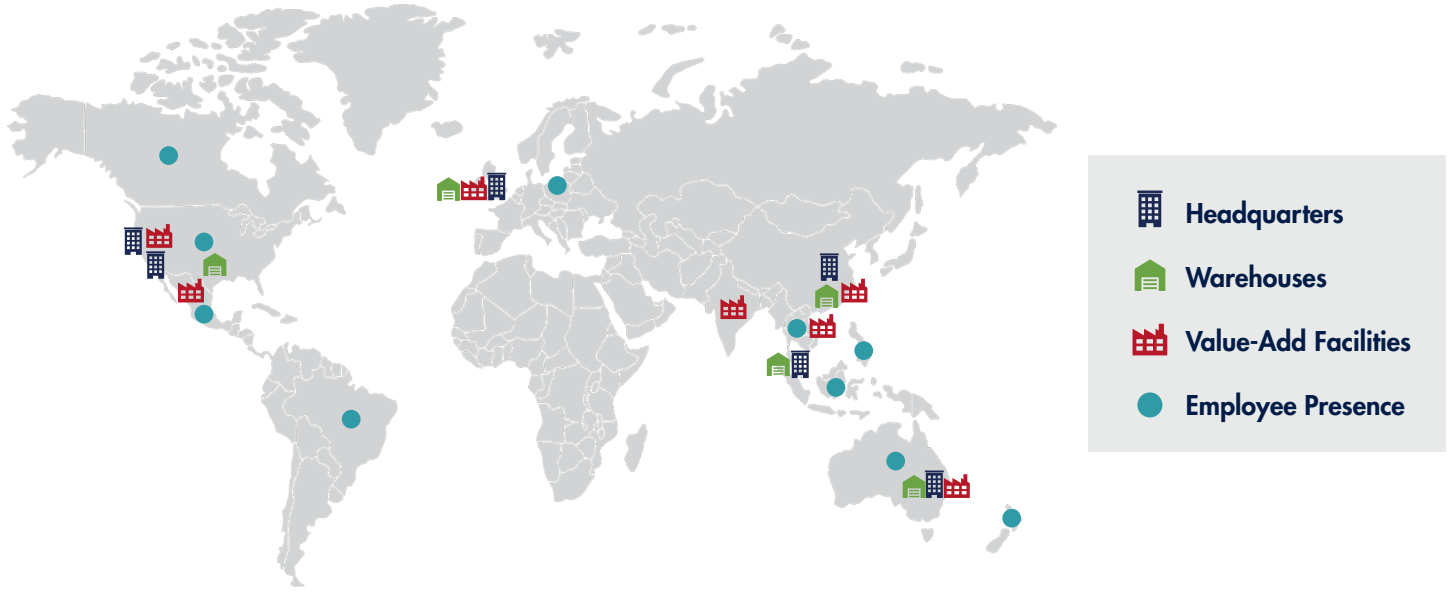
## Programming Service

Through our programming service, Symmetry 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.



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

