



Quality Circuit Assembly

In today's competitive market, every efficiency is needed to survive and excel. By partnering with QCA, we can work together to understand your manufacturing requirements, recommend solutions and provide a quality product that meets and even exceeds your expectations.

QCA is a full turnkey electronic manufacturing service dedicated to providing a quality product, unsurpassed customer service and competitive pricing.



Your total manufacturing solution provider



Company

Quality Circuit Assembly, Inc., QCA, was established in 1988 offering printed circuit board assembly services to original equipment manufacturers. Increased customer requirements for total manufacturing solutions inspired and ultimately resulted in the addition of cable and harness assembly, sub assembly, and higher level electro-mechanical assembly. Since its inception, QCA has grown steadily as a result of superior customer service, sensitivity to changing customer requirements and a dedication to quality. QCA now occupies a 40,000 square foot facility in the heart of the Silicon Valley running multiple shifts with 70 dedicated, experienced employees.

People are the strength of QCA. The average seniority of the employees is 10+ years. Employees are involved in a continuous training program. An emphasis on training combined with a stable, skilled and experienced work force allows QCA the ability to deliver superior service and quality to each of its customers.



Manufacturing

Prototypes

Swift time to market depends on quick-turn prototype assembly services. QCA offers effective, fast prototypes, leading-edge assembly, turnkey materials management, design for manufacturability (DFM) and pre- and post-manufacture analysis.

Quick Turn

QCA offers competitive lead-times whether the job is a consigned kit or full turnkey. However, through flexible manufacturing practices, production and delivery are carefully managed to meet the customer's goal.

Making your required delivery date is the ultimate goal.

Customer-Centric Focus

From prototyping to pilot, and short-run through volume manufacturing, a customer-focused team professionally handles your product. QCA's service starts during product development and continues through all manufacturing phases to completion. We take pride in knowing that your product is supported by a service oriented team steering your product through the entire manufacturing process. Additionally, QCA offers Kanban or JIT programs, requiring us to maintain specific inventory and finished goods in stock to insure timely development of components critical to such customer's product development cycle.

Volume

Low volume, high mix through high volume, low mix are all possible with QCA's flexible manufacturing. All of QCA's employees are extensively cross-trained, enhancing flexibility and enabling the workforce to absorb roadblocks, reducing any bottlenecks. Redundant equipment is in place to ensure flexibility and minimize capacity constraints. In higher volumes, QCA's strong supply chain management team excels, leveraging valued alliances with commodity manufacturers globally.



Go Green – RoHS Compliant Ready

QCA has been offering lead free production since 2005. QCA's capabilities include surface mount and through hole PCB assembly as well as cable assembly and value-added services such as fan and power supply modifications.

QCA is ready NOW to build your lead-free or RoHS compliant products.



Management

The driving force behind QCA is a management team that offers unparalleled experience and vision. The QCA executive team continues to position QCA as a premier provider of assembly services providing integrated supply-chain solutions that span the entire product life cycle. Collectively, this accomplished team brings decades of high-tech manufacturing and management experience to a company driven to deliver the highest quality services to its customers.



Why Outsource?

Today's answer for original equipment manufacturers (OEMs) is relying on electronic manufacturing service (EMS) providers such as QCA to assemble their products. Market pressure continues to drive OEMs to outsource in order to reduce time-to-market and enhance asset utilization without having to master new process technologies. Outsourcing allows OEMs the ability to focus on core competencies; research and development, sales and marketing. At the same time, OEMs experience significant cost savings across material transactions and reduced inventory levels.

The electronics industry continues to be fiercely competitive and reducing your time to market gives you a competitive edge. By partnering with QCA, OEMs can achieve faster time-to-market and realize significant financial benefits by leveraging the power of outsourced EMS. QCA is your source for a true collaborative supply-chain partner offering high efficiency and superior capital utilization thanks to a business model which leverages these resources among multiple customers. Manufacturing costs remain low and savings are passed on to OEMs. In addition, the risks of frequent design changes, shorter product life cycles, component price fluctuations, component shortages and increased product complexities are significantly reduced.

Furthermore, as electronics products become more technologically advanced, manufacturing processes become more sophisticated. By partnering with QCA, OEMs can gain access to the latest equipment, process knowledge and manufacturing expertise without making substantial capital investments. OEMs can stay competitive while eliminating the need to maintain technological expertise with each successive product generation.



Materials

QCA's materials organization adds value in materials selection and procurement. Selecting and acquiring the best possible and most cost effective materials is a crucial step in ensuring fast, efficient product development and delivery to customers, and improves overall materials reliability, availability and flexibility. This results in a more efficient supply chain and, at the same time, ensures customers get the lowest total costs without compromising quality or speed.

QCA's materials team focuses on how to best manage inventory and optimize delivery on a just-in-time basis. Materials management, including day-to-day procurement activities and supplier management, is a key element of QCA's supply-chain solutions offering. Comprehensive materials planning, inventory management and shop-floor control systems enable QCA to manage demand, avoid shortages, minimize excess materials and regulate suppliers.

Strategic alliances with manufacturers in low cost regions play a key role in QCA's competitive advantage. The ability to source many fabricated components from these low cost regions enables QCA to remain very cost competitive.



Quality

At QCA, customer success is judged by the quality of your finished product. Driven by performance results and customer satisfaction. QCA is committed to total quality management and to providing a full range of manufacturing solutions that exceed customers' expectations. Towards this goal, all of QCA's processes and procedures are certified to the ISO 2000:9001 standard.



Quality Circuit Assembly, Inc.

Capabilities

Program Management
PCB Assembly
SMT including 0201
BGA with X-Ray Inspection
PTH
Auto Insertion
AOI Automated Optical Inspection
Mixed Technologies
RoHS Compliant Assembly
Lead Free Assembly
Cable and Harness Assembly
Sub-Assembly
Electro-mechanical Box Builds
Build to Order (BTO)
Configure to Order (CTO)
Direct Order Fulfillment
Pack Out Capabilities
Documentation Support
JIT and Kanban
Dedicated Materials Management
Turnkey and Consignment

Partnering with QCA

Industry revolves around technology and manufacturing.
At QCA, we are positioned to support a wide range of markets including
computers, personal and industrial electronics,
telecommunications, automation and medical equipment.

We thank you for the opportunity to review your manufacturing requirements
and become an integral part of your solution.

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