



### **Quality Systems**

Skyworks Solutions Inc., Headquartered in Woburn Massachusetts USA, has multiple design and Sales locations located around the globe and has manufacturing plants located in Woburn MA, Newbury Park California and Mexicali Mexico. Skyworks also maintains corporate ISO 14001 certification and all business units and manufacturing locations are certified to ISO 9001. The Skyworks Analog Components Business Unit, its Woburn based GaAs and Silicon wafer fab, its Newbury Park based qualification laboratory and the Mexicali Assembly and test site are registered to ISO/TS 16949. Our certificates can be downloaded at <http://www.skyworksinc.com>.

Skyworks has aggressively deployed comprehensive business systems throughout the entire organization. They are based on the philosophy that these should be self-managing and self-correcting. The Plan-Do-Check-Act cycle is emphasized from end to end.

Skyworks has adopted the following advanced quality tools:

- Failure Mode Effects Analysis (FMEA) developed during design and manufacturing
- Measurement systems analysis (Gage R&R) performed on all test and measurement equipment
- Process control plans used during pre-launch and manufacturing
- Production Part Approval Process (PPAP)
- Continuous process stability and capability monitoring

All Skyworks external manufacturing partners are certified to either the ISO 9001 or ISO/TS 16949 quality standards.

Although Skyworks is pleased to provide products for use in automotive applications, we are primarily a high-volume, low-cost, commercial RF device manufacturer. As a result, we do not commit to, nor adhere to any customer specific requirements that are above and beyond the requirements set forth in the ISO/TS 16949 standard.

### **Reliability**

All Skyworks devices undergo rigorous qualification testing in accordance with reliability requirements established by the Joint Electron Device Engineering Council (JEDEC), the Electronic Industries Association (EIA) and US Military Standards. JEDEC qualification tests ensure that Skyworks devices

meet or exceed these reliability standards. Skyworks can make arrangements with our automotive customers to perform AEC Q101 qualification testing however, Skyworks cannot support AEC Q100 testing.

**Note:** *For a list of products that have already been qualified to the AEC-Q101 standard\*, please contact your Skyworks sales representative. For more information on our reliability qualification and monitoring programs, please see our [Quality Book](#). For information on JEDEC qualification standards, refer to the [JEDEC website](#). For more information on AEC qualification, refer to the [AEC website](#).*

*\* Not all stresses listed within AEC Q101 are performed. Qualification report is available upon request.*