Automotive Quality/Supplier Quality Engineer –

About the Company –
SBE, Inc. (dba SB Electronics) is a world leader in film capacitor manufacturing based in Barre, Vermont. SBE, Inc. designs, manufactures, and markets capacitors to numerous companies in a variety of markets throughout the world. SBE Inc. has two major product lines, namely; the traditional SBE leaded capacitors manufactured in both Vermont and China and a newer line of high energy capacitors called Power Ring Film Capacitors™ which are rapidly growing in sales for a variety of applications and markets. As a recent recipient of a U.S. Department of Energy grant, SBE is currently expanding its production of Power Rings for use specifically in Electric and Hybrid Electric Vehicles as we grow to meet the needs of a globally competitive market place. See www.sbeelectronics.com for more information on the company’s products, technologies, and markets.

Job Description-
The Automotive Quality/Supplier Quality Engineer is responsible for interfacing with vendors to secure materials for prototype, pre-production, and production products for SBE’s new Department of Energy Electric Drive Vehicle project. Within this effort, this individual will conduct vendor capability audits, vendor capacity studies, vendor quality audits, vendor certification, and vendor issue resolution to attain the best possible products and materials for the development and production of our innovative new Power Ring capacitors. Overall, this individual has the responsibility to initiate contractual commitments and analyze engineering specifications, design changes, and other data to plan parts support from the conceptual stage through production launch of a product. Identify and execute material and labor cost reduction and quality improvements for all components and processes through the use of tools such as Lean Manufacturing, VAVE, Six Sigma, DFMEAs and PFMEAs. In addition, a successful candidate must possess a thorough knowledge of Geometric Dimensioning & Tolerancing (GD&T), Design Verification Plan & reporting (DVP&R), Value Engineering/Value Analysis (VE/VA), Design of Experiments (DOE), and Design and Failure Modes and Effects Analysis (DFMEA).

Candidates should have a desire to work in an exciting new field and have the capability to work independently in a growing new project. Candidate must also expect to travel approximately one-third to one-half of the time both domestically and internationally in an effort to interface with vendors.

Key Responsibilities –

- Establish working relationships with existing vendors
- Research potential new vendors
- Perform outreach to potential vendors
- Forge new relationships with vendors in an effort to reduce cost and improve quality
- Support worldwide associates in the procurement of raw materials sourcing
- Convey specifications and technical needs to vendors
- Identify and/or support initiatives to improve material flow, evaluate capacity and manage material obsolescence
- Perform cost analysis for make/buy decisions
- Evaluate technical requirements of new and existing products
- Lead continuous materials improvement activities by researching options and providing best solutions
- Coach and lead suppliers in the development of quality systems and practices to support superior supplier performance through utilization of PPAP
- Support Engineering Department in new product development with the use of FMEA’s and other six sigma design tools

Requirements –

- Minimum of Bachelors degree in related engineering field; particularly Supply Chain, Manufacturing, Materials, Process, Electrical, or Industrial Engineering
- 5-10 years recent component and materials sourcing and/or vendor management experience
- Travel worldwide up to 50% of the time
- Thorough knowledge of Floor Plans, Blue Prints, Process Flow Diagrams, and Control Plans
• Thorough knowledge and understanding of Work Instructions, and Contract Review
• Thorough knowledge of Advanced Measuring Techniques and Supplier Management
• Thorough knowledge of Quality Standard and Quality Engineering
• Thorough knowledge of ISO Quoting Procedures
• Thorough knowledge of ISO 9001 / TS16949 Quality Standards
• Knowledge of lean manufacturing and supply chain concepts and their applications
• Demonstrated ability to build and leverage partnerships
• Well connected and highly result driven attitude