



Supplier Quality Requirements (SQR)

1. Order of Precedence

The order of precedence for the various ECAPS purchase documents is defined in ECAPS Terms and Conditions of Purchasing, referred to on the Purchase Order. Note that the purchase order cannot change design data.

2. Applicability

2.1 *Build-to-Print / Built-to-Specification*

Parts and/or components ordered by drawing or specification shall be manufactured according to the drawing or specification required processes. Parts and components shall at 60 cm distance be visually clean and free of process fluid residues and/or manufacturing remnants, both before application of any surface treatments and/or heat treatments as after at delivery to ECAPS, unless otherwise stated. Any use of silicone is prohibited during manufacturing, assembly, inspection, testing, and delivery.

2.2 *EEE-components*

Devices designated as ESD sensitive, or otherwise applying static sensitive technology, shall be properly handled, packaged, and labelled in conformance with IEC-61340-5 or ANSI/ESD S20.20.

Electronic Components (i.e., transistors, integrated circuits, connectors, etc.) shall have a date code of no more than 3 years prior to date of receipt at Client, unless otherwise stated in the PO. The component manufacturer and lot / date code for each component shall be identified on the Certificate of Conformance.

The uses of Pure Tin-Plated finishes are strictly prohibited. Any Tin Plating or Tin Solder processes shall contain no less than 3 percent lead, unless specifically authorized in writing.

It is the responsibility of the Contractor to ensure compliance to REACH regulation as well as Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive. A delivery that contains any substances managed by REACH/RoHS shall have this documented in detail as required by the applicable directive. A Material Safety Data Sheet (MSDS) and declaration shall be supplied when applicable.

2.3 *COTS*

Elastomeric Compounds shall have 75% or greater storage life remaining upon receipt at Client based on manufacturer assigned expiration date or MIL-HDBK-695. The Contractor shall identify



manufacturers name, compound trade name, batch number, cure date and Qualified Parts List (QPL) approval status as required by Client PO for each lot.

3. Handling, Packing, & Preservation

It is the responsibility of the Contractor to ensure that the packaging is adequate to protect the components during transportation, handling, and storage. Packaging containers shall be appropriate for the size, weight, and fragility of the components being packed. Special instructions (if applicable) shall be included with the hardware. The use of Pink-Polyethylene (Pink Poly) packing may be allowed only as outer packaging when using double bags.

4. Awareness

The contractor shall ensure that the organization and its employees is aware of:

- ECAPS is monitoring and controlling the contractor on performance aspects as:
 - o on-time delivery
 - o cost competitiveness
 - o technical capability
 - o cooperation
 - o quality level
 - o responsiveness
- their contribution to product or service conformity
- their contribution to product safety
- the importance of ethical behavior

5. Additional Requirements

- The use of statistical techniques for product acceptance and related instructions for acceptance by the contractor shall be approved by ECAPS.
- On ECAPS request, the contractor shall provide test specimens for design approval, inspection/verification, investigation, or auditing.
- The Contractor shall maintain an objective quality management system for their products according to at least a valid ISO 9001 system or approval of ECAPS QA responsible. At ECAPS request the Contractor shall submit relevant proof to ECAPS.
- If requested by the Purchase order a Certificate of Conformance shall be provided. The Certificate of Conformance shall be shipped with the product to ECAPS. The Certificate of Conformance is a quality record that shall include purchase order number, date, manufacturer's name, and authorized representative signature. In addition, the Contractor shall be able to furnish information on their source(s) of supply that could include items such as serial numbers, lot numbers, heat numbers, batch, date code and cure dates and QPL approval status as applicable.
- If requested by the Purchase order a Material Certificate shall be provided. The Certificate shall be shipped with the product to ECAPS.