

**ELECTROCUBE RoHS UPDATE**

Amendment to prior and posted RoHS Compliance Statements and Certifications, indicating additionally applicable EU Commission Decisions, Amendment, and Guidance Documents; and clarifying Electrocube non-use of RoHS restricted heavy metals and flame retardant substances, discontinuance and current non-use of materials and components which may have previously contained DecaBDE flame retardant, as allowed by the rescinded RoHS "DecaBDE Exemption":

**RoHS & Pb-Free COMPLIANCE REQUIREMENTS -**

The requirements for RoHS Compliance are defined by:

- EU Directive 2002/95/EC of 27 January 2003 (RoHS)
- EU D-G Environment Guidance Document FAQ on RoHS & WEEE dated May 2005 & Updated August 2006
- EU Commission Decision 2005/618/EC of 18 August 2005 Amending Directive 2002/95/EC
- EU Commission Decision 2005/717/EC of 13 October 2005 Amending Annex of 2002/95/EC
- EU Commission Decision 2005/747/EC of 21 October 2005 Amending Annex of 2002/95/EC
- EU Commission Decision 2006/310/EC of 21 April 2006 Amending Annex of 2002/95/EC
- EU Commission Decision 2006/690/EC of 12 October 2006 Amending Annex of 2002/95/EC
- EU Commission Decision 2006/691/EC of 12 October 2006 Amending Annex of 2002/95/EC
- EU Commission Decision 2006/692/EC of 12 October 2006 Amending Annex of 2002/95/EC
- EU Commission Decision 2008/385/EC of 24 January 2008 Amending Annex of 2002/95/EC
- EU Directive 2008/35/EC of 11 March 2008 Amending Directive 2002/95/EC

The requirements for Pb-Free compliance are defined by:

- JEDEC Standard JESD97 / IPC Standard IPC-1066

**RoHS COMPLIANT CONTENT CERTIFICATION -**

Electrocube confirms that the listed product styles, as currently supplied to our Distributors and OEM Customers, IS/ARE COMPLIANT within the restrictions of the (current revision of) EU RoHS Directive 2002/95/EC and EU Commission Decisions / Amendments and EU D-G Environment Guidance documents, regarding content of PBB and PBDE flame retardants, , including non-use of flame retardant DecaBDE (the prior Exemption for use having been rescinded), and regarding content of heavy metals Pb, Hg, Cd, and Cr<sup>+6</sup>. The materials and components utilized in product construction are understood to not intentionally contain the restricted flame retardant materials and heavy metals, and any un-intentional impurity-level content will be within restriction limitations of the (current revision of) EU RoHS Directive 2002/95/EC, and EU Commission Decisions / Amendments and EU D-G Environment Guidance documents.

<u>SUBSTANCE</u>	<u>LIMIT</u> (by weight in homogenous material)
Lead (Pb)	<=0.1%
Mercury (Hg)	<=0.1%
Cadmium (Cd)	<=0.01%
Hexavalent Chromium (Cr <sup>+6</sup> )	<=0.1%
Polybrominated biphenyls (PBB)	<=0.1%
Polybrominated diphenyl ether (PBDE)	<=0.1% (including DecaDBE*)

\*Electrocube does not purchase and does not currently use materials or components utilizing DecaBDE as flame retardant. For the period from October 2005 through October 2006, Electrocube was exercising use of the "DecaBDE Exemption" to consume existing (1 year shelf life) inventory of specific yellow polyester tape materials (as the only suspect material in-plant, and used typically on tape-wrap & epoxy-fill capacitor styles) as they were being replaced procurement of fully compliant alternative tape materials (from October 2005 onward). Product identified with date codes of 0640 and subsequent shall be considered to be RoHS compliant without use of the DecaBDE Exemption. Axial and radial lead epoxy-case style components do not utilize the suspect tape material, and shall be considered compliant without use of the DecaBDE Exemption from date code 0540 onward.

**Pb-FREE CONTENT CERTIFICATION -**

Electrocube confirms that the listed product(s), as currently supplied to our distributors and OEM Customers, IS/ARE COMPLIANT within the industry accepted definition of Pb-Free, regarding content of heavy metal Lead (Pb). The materials and components utilized in product construction are understood to not intentionally contain the restricted heavy metal, and any un-intentional impurity-level content will be within restriction limitations of the definition of Pb-Free, per the (current revision of) Industry Standards JEDEC JESD97, and IPC-1066, and of the (current revision of) EU RoHS Directive 2002/95/EC, and EU Commission Decisions / Amendments and EU D-G Environment Guidance documents, excluding specific exemptions of the RoHS Directive for Pb content in excess of 0.1%.

<u>SUBSTANCE</u>	<u>LIMIT*</u>
Lead (Pb)	<=0.1%

\*by weight in homogenous material / discrete raw materials, and total weight in end-product, RoHS Annex Exemption Points allowing >0.1% Pb content are excluded / not-applicable.