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**RoHS Material Composition Declaration**

Legal Definition Type

**RoHS Definition:** Quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material for Cadmium

RoHS Declaration \*

Supplier Acceptance

**Exemptions:** If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and checkboxes will appear below. Check all applicable exemptions.

- 1. Mercury in compact fluorescent lamps not exceeding 5 mg per lamp.
- 2a. Mercury in straight fluorescent lamps for general purposes not exceeding halophosphate 10 mg.
- 2b. Mercury in straight fluorescent lamps for general purposes not exceeding triphosphate with normal lifetime 5 mg.
- 2c. Mercury in straight fluorescent lamps for general purposes not exceeding triphosphate with long lifetime 8 mg.
- 3. Mercury in straight fluorescent lamps for special purposes.
- 4. Mercury in other lamps not specifically mentioned in this list.
- 5. Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.
- 6a. Lead as an alloying element in steel containing up to 0.35% lead by weight.
- 6b. Lead as an alloying element in aluminum containing up to 0.4% lead by weight.
- 6c. Lead as an alloying element in copper containing up to 4% lead by weight.
- 7a. Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).
- 7b. Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission as well as network management for telecommunications.
- 7c. Lead in electronic ceramic parts (e.g. piezoelectronic devices).
- 8. Cadmium and its compounds in electrical contacts and cadmium plating except for applications banned under Directive 91/338/EEC amending Directive 76/769/EEC relating to restrictions on the marketing and use of certain dangerous substances and preparations piezoelectronic devices).
- 9. Hexavalent chromium as an anti-corrosion of the carbon steel cooling system in absorption refrigerators
- 10a. Deca BDE in polymeric applications
- 10b. Lead in lead-bronze bearing shells
- 11. Lead used in compliant pin connector systems.
- 12. Lead as a coating material for a thermal conduction module c-ring.
- 13a. Lead in optical and filter glass.
- 13b. Cadmium in optical and filter glass.
- 14. Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80% and less than 85% by weight .
- 15. Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages.

**Declaration Signature**

**Instructions:** Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.

Supplier Digital Signature

## Homogeneous Material Composition Declaration for Electronic Products

**Subpart Instructions:** The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

**Substance Instructions:** [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).

**Line Functions:** +P Inserts a New Part +M Inserts a new Material +C Inserts a new Substance Category +S Inserts a new Substance - Deletes the element line

	Part/Subpart Name	Homogeneous Material	Weight	Unit of Measure	Level	Substance Category	Substance	CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM
												-	+	

JIG section intentionally omitted.

## Homogeneous Material Composition Declaration for Electronic Products

**Requester Instructions:** The requester can optionally include additional substance categories and substances that must be declared for the item on this form. This is in addition to JIG Level A and JIG Level B substances already included for the JIG section. The requester should enter additional substance categories and then enter name of the substance and the CAS number. These entries will be accessible to the supplier via Level drop-down by selecting "Requester". Use the Load "Requester" and Test button to view the entries, just select "Requester" in the Level drop-down list in the previous section.

Substance Category	Substance	CAS