



Dear Customer

GCT Warranty for Non-Inclusion of Hazardous Substances in GCT products

GCT warrants and guarantees that all of or part of products delivered to your company directly or indirectly by GCT (With the exceptions noted below in Exceptions), do not contain more than below ppms of Halogen Free Material (Bromine and Chlorine) (collectively, the “Substances”) by the definition of IEC (International Electrotechnical Commission, IEC-61249-2-21) and IPC (Interconnecting and Packaging Electronic, IPC-4101B).

GCT warrants and guarantees that all of or part of products delivered to your company directly or indirectly by GCT do not contain more than below ppms of Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), Cadmium (Cd), Lead (Pb), Mercury (Hg), and Hexavalent Chromium (Cr), collectively known as the “Substances” by the requirements of the European Union’s restriction of the use of certain hazardous substances in electrical and electronic equipment, (RoHS), Directive 2011/65/EU.

GCT herein also guarantees all chemical test reports and related environment control data provided by GCT are without fraud and performed by accredited third party laboratories.

Chemical Substance	Threshold Value
Bromine	< 900 ppm
Chlorine	< 900 ppm
Cadmium and its compounds	<100 ppm
Lead and its compounds	< 1000 ppm
Mercury and its compounds	< 1000 ppm
Hexavalent chromium and its compounds	< 1000 ppm
PBB	< 1000 ppm
PBDE	< 1000 ppm

Note: Total concentration of Bromine + Chlorine < 1500 ppm

GCT hereby declares that, from the date of this declaration, the products/parts delivered directly or through any third parties to the customers are fully in compliances with Regulation (EC) No 1907/2006 of the European Parliament and the European Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), entered into force on 1 June 2007.

The Substance of Very High Concern (SVHC) Candidate List is being updated by The European Chemicals Agency (ECHA). For the latest candidate list, refer to web address (<http://echa.europa.eu/candidate-list-table>).

Yours faithfully,

Name of Company : GCT Semiconductor, Inc.
Signature

Simon, Shin
QRA Director

Sam, Kim
Vice President Product Development