

### Certification for RoHS Compliance

Our company hereby certifies that devices of VLSI Solution Oy are manufactured and assembled with the materials, which are in compliance with the **European Parliament and the Council Directive 2002/95/EC on the Restriction of the use of certain Hazardous Substances in the Electrical and Electronic Equipment (RoHS)**.

Maximum allowable concentration of the substances in a single product and packing materials:

Substance	Maximum concentration
Lead (Pb)	1000 ppm
Mercury (Hg)	1000 ppm
Cadmium (Cd)	100 ppm
Hexavalent Chromium (Cr <sup>6+</sup> )	1000 ppm
Poly Brominated Biphenyls (PBB)	1000 ppm
Poly Brominated Diphenyl Ethers (PBDE)	1000 ppm

List of packages and device names with green BOM:

(The older devices are not in the list, they have separate RoHS certificates)

Device name of VLSI	Device name marked on delivery labels by assembly and test company	Package
VS1000B-L	VS1000B/LSR-ROHS	LQFP 48X 7X7X1.4 MM
VS1000C-L	VS1000C/LSR-ROHS	LQFP 48X 7X7X1.4 MM
VS1000D-L	VS1000D/LSR-ROHS	LQFP 48X 7X7X1.4 MM
VS1000E-L	VS1000E/LSR-ROHS	LQFP 48X 7X7X1.4 MM
VS2000A-L	VS2000A/LSR-ROHS	LQFP 48X 7X7X1.4 MM
VS1003B-L	VS1003B/LSR-ROHS	LQFP 48X 7X7X1.4 MM
VS1003B-L	VS1003B/LSR-ROHS/K	LQFP 48X 7X7X1.4 MM
VS1003B-B	VS1003B-B/LSR-ROHS	FBGA 49X 7X7X1.45 MM
VS1103B-L	VS1103B/LSR-ROHS	LQFP 48X 7X7X1.4 MM
VS1011E-L	VS1011E/LSR-ROHS	LQFP 48X 7X7X1.4 MM
VS1011E-S	VS1011E-S/LSR-ROHS	SOIC 28L 300 MILS
VS1033D-L	VS1033D/LSR-ROHS	LQFP 48X 7X7X1.4 MM
VS1033D-B	VS1033D-B/LSR-ROHS	FBGA 49X 7X7X1.45 MM
VS1053B-L	VS1053B/LSR-ROHS	LQFP 48X 7X7X1.4 MM
VS8053B-L	VS8053B/LSR-ROHS	LQFP 48X 7X7X1.4 MM
VS1063A-L	VS1063A/LSR-ROHS	LQFP 48X 7X7X1.4 MM

Yours truly,



Name: Teppo Karema, Designation: CEO, Date: 15<sup>th</sup> of September 2011

#### **DISCLAIMER**

*This declaration and its accuracy are made solely based on available information and analytical data provided by our suppliers.*