

Certification for RoHS Compliance

Our company hereby certifies that VS1002 RoHS \* devices 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 package and device name with green BOM:

Device	Package
VS1002D-B/LSR-ROHS	FBGA 49 7X7X1.45 MM

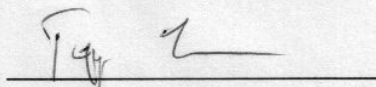
\*) There are RoHS and non-RoHS versions of VS1002D. RoHS versions are clearly marked.

Check labels and device marking to be sure that the device is RoHS.

- Markings on VS1002D RoHS are presented in page 2.

- Device name on label is VS1002D-B/LSR-ROHS, see page 3.

Yours truly,



Name: Teppo Karema

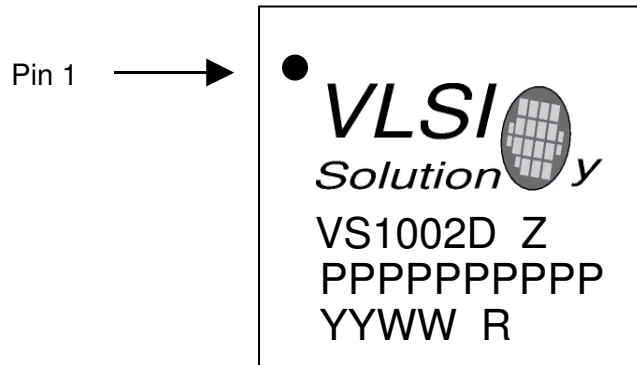
Designation: VP

Date: 15. November 2007

**DISCLAIMER**

*This declaration and its accuracy are made solely based on available information and analytical data*

### Markings on VS1002D RoHS.



#### Where

Z = the wafer number (1...25) (only for characterization runs)

PPPPPPPPPP = the Lot Id rightmost letters/numbers.

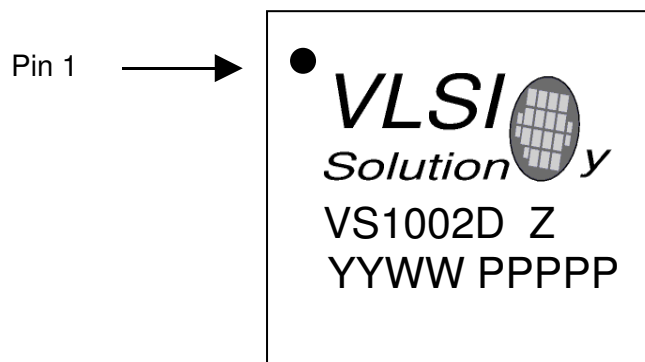
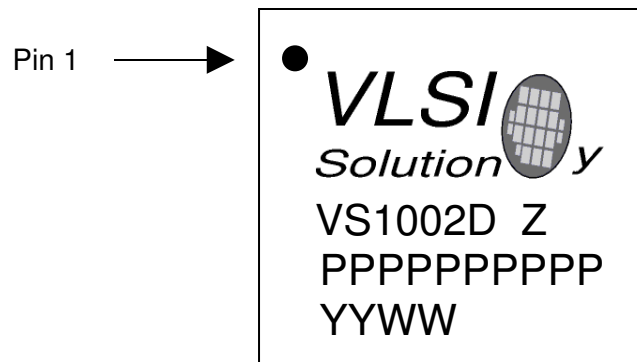
For instance PPPPPPPPP is VSA12345.6 for lot 2VSA12345.6.

YYWW = packaging year and week

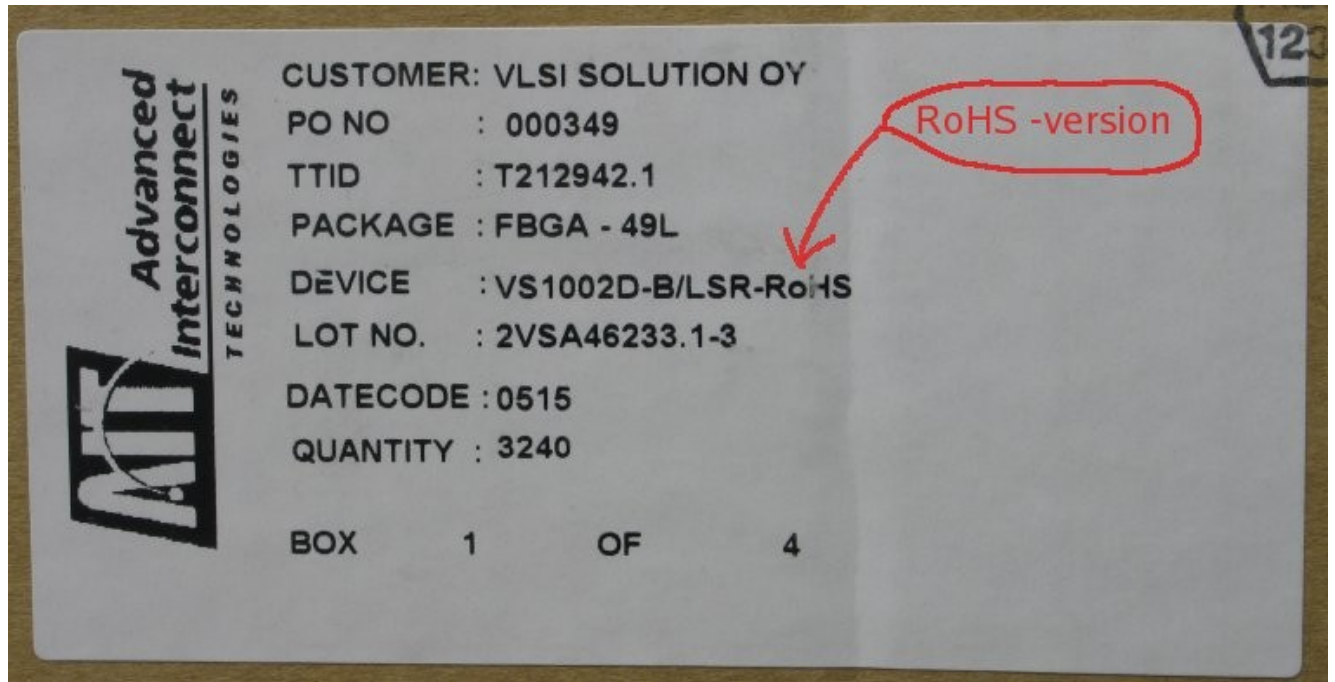
**R = a fixed character, short name of RoHS compliant package.**

### Markings on VS1002D (not RoHS).

There is no letter R next to the YYWW.



### Innerbox label of VS1002D



Version	Label text
RoHS device	DEVICE : VS1002D-B/LSR-ROHS
Non-RoHS device	DEVICE : VS1002D-B/LSR