

Pb-free Product and Green Product Statement

Issue Date: 2008/04/10

1. Environmental Concern

Due to the environmental concerns around the world, the need for environmental protection and hazardous (banned) substance elimination in electronic components and systems is receiving increased attention within the semiconductor and electronic industries. Therefore, Richnex has been devoted to the provision of Pb-Free products and Green products.

2. Substances of Concern & RoHS Compliance

In reference with RoHS Directive (2002/95/EC) and Joint Industry Guide on Material Composition Declaration for Electronic Products (JIG-101), Richnex defines "Pb-Free" product to mean that the products are compliant with the current RoHS requirements for all six restricted substances, and "Green" product to mean RoHS compliance as well as free of Bromine (Br) and Antimony (Sb) based flame retardants (Br or Sb do not exceed 1000ppm in homogeneous material), as summarized in Table I.

Table I

| Item | Banned Substance | Directive / Standard & Max.Limit | Test Results | |
|------|---|--|-------------------------------------|---------------|
| | | | Pb-Free Product (RoHS Compliant) | Green Product |
| 1 | Cadmium (Cd) | RoHS Directive (2002/95/EC) <100ppm | Acceptable | Acceptable |
| 2 | Lead (Pb) | RoHS Directive (2002/95/EC) <1000ppm | Acceptable | Acceptable |
| 3 | Mercury (Hg) | | Acceptable | Acceptable |
| 4 | Hexavalent Chromium (Cr ⁶⁺) | | | |
| 5 | Polybrominated Biphenyls (PBBs) | | | |
| 6 | Polybrominated Biphenyl Ethers (PBDEs) | | | |
| 7 | Halogens- Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I) | Joint Industry Guide (JIG-101) <1000ppm | <u>Not Acceptable</u> (>1000ppm) | Acceptable |
| 8 | Antimony (Sb) | | | |

The analysis of chemical substance is performed by a third party, SGS Taiwan Ltd., and the test reports are available upon request.

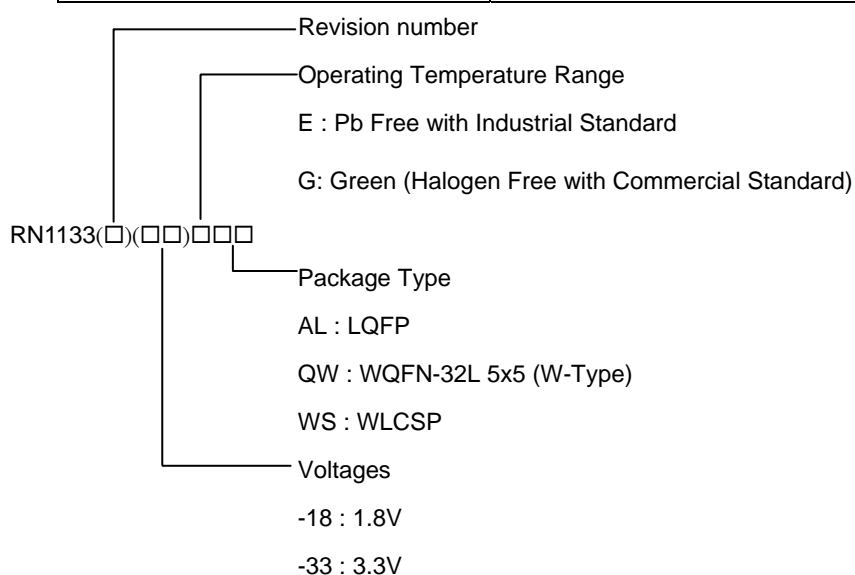
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Regarding part number, Richnex identifies the Pb-Free, and Green product as shown in Table II. For more detailed information, you may refer to the “Ordering Information” of the datasheet.

Table II

| Product Type | Pb-Free (RoHS Compliant) | Green |
|----------------------------|-----------------------------|--------------------|
| Part Number Identification | E | G |
| Example | RN1133 E QW | RN1133 G QW |



Note :

Richnex Pb-free and Green products are:

- RoHS compliant and compatible with the current requirements of IPC/JEDEC J-STD-020.
- Suitable for use in SnPb or Pb-free soldering processes.
- 100% matte tin (Sn) plating.

3. Summary of Richnex’s Pb-Free/Green Product

Richnex is committed to protecting the environment and conforming to the regulation requirements. Richnex offers the option of Pb-Free or Green products upon customer’s requests. Please contact Richnex’s sales/agent for more information, and we will continue to give you our best support and service.