



## Material Content Data Sheet



| <b>Sales Product Name</b> |                    | ICE3AR2280JZ-T   |                    | <b>Issued</b>  |                  | 29. August 2013 |                    |           |
|---------------------------|--------------------|------------------|--------------------|----------------|------------------|-----------------|--------------------|-----------|
| <b>MA#</b>                |                    | MA001049472      |                    |                |                  |                 |                    |           |
| <b>Package</b>            |                    | PG-DIP-7-3       |                    | <b>Weight*</b> |                  | 645.23 mg       |                    |           |
| Construction Element      | Material Group     | Substances       | CAS# if applicable | Weight [mg]    | Average Mass [%] | Sum [%]         | Average Mass [ppm] | Sum [ppm] |
| chip                      | inorganic material | silicon          | 7440-21-3          | 4.427          | 0.69             | 0.69            | 6861               | 6861      |
| leadframe                 | inorganic material | phosphorus       | 7723-14-0          | 0.048          | 0.01             |                 | 75                 |           |
|                           | non noble metal    | zinc             | 7440-66-6          | 0.194          | 0.03             |                 | 300                |           |
|                           | non noble metal    | iron             | 7439-89-6          | 3.872          | 0.60             |                 | 6001               |           |
| wire                      | non noble metal    | copper           | 7440-50-8          | 157.218        | 24.37            | 25.01           | 243660             | 250036    |
|                           | noble metal        | gold             | 7440-57-5          | 0.392          | 0.06             | 0.06            | 607                | 607       |
|                           | encapsulation      | organic material | carbon black       | 1333-86-4      | 2.345            | 0.36            |                    | 3634      |
| encapsulation             | plastics           | epoxy resin      | -                  | 63.316         | 9.81             |                 | 98128              |           |
|                           | inorganic material | silicondioxide   | 60676-86-0         | 403.344        | 62.51            | 72.68           | 625113             | 726875    |
| leadfinish                | non noble metal    | tin              | 7440-31-5          | 6.460          | 1.00             | 1.00            | 10011              | 10011     |
| plating                   | noble metal        | silver           | 7440-22-4          | 1.594          | 0.25             | 0.25            | 2471               | 2471      |
| glue                      | plastics           | epoxy resin      | -                  | 0.354          | 0.05             |                 | 549                |           |
|                           | noble metal        | silver           | 7440-22-4          | 1.671          | 0.26             | 0.31            | 2590               | 3139      |
| *deviation                | < 10%              |                  |                    |                | Sum in total:    | 100,00          |                    | 1000000   |

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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