



## Material Content Data Sheet



|                      |                    |                |                       |                |                        |                 |                          |              |
|----------------------|--------------------|----------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|
| Sales Product Name   | TLE9834QX          |                |                       | Issued         |                        | 28. August 2013 |                          |              |
| MA#                  | MA000985220        |                |                       |                |                        |                 |                          |              |
| Package              | PG-VQFN-48-29      |                |                       | Weight*        |                        | 130.22 mg       |                          |              |
| Construction Element | Material Group     | Substances     | CAS#<br>if applicable | Weight<br>[mg] | Average<br>Mass<br>[%] | Sum<br>[%]      | Average<br>Mass<br>[ppm] | Sum<br>[ppm] |
| chip                 | inorganic material | silicon        | 7440-21-3             | 4.983          | 3.83                   | 3.83            | 38268                    | 38268        |
| leadframe            | inorganic material | phosphorus     | 7723-14-0             | 0.018          | 0.01                   |                 | 138                      |              |
|                      | non noble metal    | zinc           | 7440-66-6             | 0.072          | 0.06                   |                 | 550                      |              |
|                      | non noble metal    | iron           | 7439-89-6             | 1.433          | 1.10                   |                 | 11006                    |              |
|                      | non noble metal    | copper         | 7440-50-8             | 58.193         | 44.68                  | 45.85           | 446885                   | 458579       |
| wire                 | noble metal        | gold           | 7440-57-5             | 0.782          | 0.60                   | 0.60            | 6009                     | 6009         |
| encapsulation        | organic material   | carbon black   | 1333-86-4             | 0.181          | 0.14                   |                 | 1389                     |              |
|                      | plastics           | epoxy resin    | -                     | 7.656          | 5.88                   |                 | 58792                    |              |
|                      | inorganic material | silicondioxide | 60676-86-0            | 52.446         | 40.28                  | 46.30           | 402751                   | 462932       |
| leadfinish           | non noble metal    | tin            | 7440-31-5             | 2.596          | 1.99                   | 1.99            | 19939                    | 19939        |
| plating              | noble metal        | silver         | 7440-22-4             | 0.614          | 0.47                   | 0.47            | 4714                     | 4714         |
| glue                 | plastics           | epoxy resin    | -                     | 0.286          | 0.22                   |                 | 2199                     |              |
|                      | noble metal        | silver         | 7440-22-4             | 0.958          | 0.74                   | 0.96            | 7360                     | 9559         |
| *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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