



## Material Content Data Sheet



|                      |                       |                |                       |                |                        |                 |                          |              |
|----------------------|-----------------------|----------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|
| Sales Product Name   | SAK-XC2236N-40F80L AA |                |                       | Issued         |                        | 29. August 2013 |                          |              |
| MA#                  | MA001026410           |                |                       |                |                        |                 |                          |              |
| Package              | PG-LQFP-64-6          |                |                       | Weight*        |                        | 372.45 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             | 28.688         | 7.70                   | 7.70            | 77025                    | 77025        |
| leadframe            | inorganic material    | phosphorus     | 7723-14-0             | 0.032          | 0.01                   |                 | 87                       |              |
|                      | non noble metal       | zinc           | 7440-66-6             | 0.130          | 0.03                   |                 | 349                      |              |
|                      | non noble metal       | iron           | 7439-89-6             | 2.600          | 0.70                   |                 | 6980                     |              |
|                      | non noble metal       | copper         | 7440-50-8             | 105.558        | 28.34                  | 29.08           | 283417                   | 290833       |
| wire                 | noble metal           | gold           | 7440-57-5             | 1.862          | 0.50                   | 0.50            | 4999                     | 4999         |
| encapsulation        | organic material      | carbon black   | 1333-86-4             | 1.096          | 0.29                   |                 | 2943                     |              |
|                      | plastics              | epoxy resin    | -                     | 29.600         | 7.95                   |                 | 79474                    |              |
|                      | inorganic material    | silicondioxide | 60676-86-0            | 188.562        | 50.64                  | 58.88           | 506278                   | 588695       |
| leadfinish           | non noble metal       | tin            | 7440-31-5             | 4.066          | 1.09                   | 1.09            | 10916                    | 10916        |
| plating              | noble metal           | silver         | 7440-22-4             | 1.611          | 0.43                   | 0.43            | 4325                     | 4325         |
| glue                 | plastics              | epoxy resin    | -                     | 2.161          | 0.58                   |                 | 5802                     |              |
|                      | noble metal           | silver         | 7440-22-4             | 6.482          | 1.74                   | 2.32            | 17405                    | 23207        |
| *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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