



## Material Content Data Sheet



| <b>Sales Product Name</b> |                    | BGA 751N7 E6327 |                    | <b>Issued</b>  |                  | 29. August 2013 |                    |           |
|---------------------------|--------------------|-----------------|--------------------|----------------|------------------|-----------------|--------------------|-----------|
| <b>MA#</b>                |                    | MA001067578     |                    |                |                  |                 |                    |           |
| <b>Package</b>            |                    | PG-TSNP-7-1     |                    | <b>Weight*</b> |                  | 3.85 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          | 0.114          | 2.97             | 2.97            | 29725              | 29725     |
| leadframe                 | non noble metal    | zinc            | 7440-66-6          | 0.004          | 0.11             |                 | 1117               |           |
|                           | non noble metal    | tin             | 7440-31-5          | 0.005          | 0.14             |                 | 1397               |           |
|                           | non noble metal    | chromium        | 7440-47-3          | 0.006          | 0.17             |                 | 1676               |           |
| wire                      | non noble metal    | copper          | 7440-50-8          | 2.136          | 55.47            | 55.89           | 554495             | 558685    |
|                           | noble metal        | gold            | 7440-57-5          | 0.040          | 1.04             | 1.04            | 10410              | 10410     |
| encapsulation             | organic material   | carbon black    | 1333-86-4          | 0.006          | 0.16             |                 | 1642               |           |
|                           | plastics           | epoxy resin     | -                  | 0.183          | 4.76             |                 | 47619              |           |
|                           | inorganic material | silicondioxide  | 60676-86-0         | 1.075          | 27.91            | 32.83           | 279145             | 328406    |
| leadfinish                | non noble metal    | tin             | 7440-31-5          | 0.111          | 2.89             | 2.89            | 28941              | 28941     |
| plating                   | noble metal        | silver          | 7440-22-4          | 0.104          | 2.69             | 2.69            | 26938              | 26938     |
| glue                      | plastics           | epoxy resin     | -                  | 0.013          | 0.34             |                 | 3379               |           |
|                           | noble metal        | silver          | 7440-22-4          | 0.052          | 1.35             | 1.69            | 13516              | 16895     |
| *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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