

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | BGA 7L1BN6 E6327 | **Issued** | 02. June 2021 |
| **MA#** | MA001410068 | | |
| **Package** | PG-TSNP-6-2 | **Weight*** | 0.92 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 | 0.093 | 10.16 | 10.16 | 101581 | 101581 |
| bumps | non noble metal | copper | 7440-50-8 | 0.003 | 0.33 | 0.33 | 3303 | 3303 |
| leadframe | non noble metal | zinc | 7440-66-6 | 0.001 | 0.08 | | 777 | |
| | non noble metal | tin | 7440-31-5 | 0.001 | 0.10 | | 971 | |
| | non noble metal | chromium | 7440-47-3 | 0.001 | 0.12 | | 1166 | |
| | non noble metal | copper | 7440-50-8 | 0.353 | 38.57 | 38.87 | 385626 | 388540 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.002 | 0.22 | | 2240 | |
| | inorganic material | zink oxide | 1314-13-2 | 0.004 | 0.45 | | 4479 | |
| | miscellaneous | miscellaneous | - | 0.006 | 0.67 | | 6720 | |
| | plastics | epoxy resin | - | 0.045 | 4.93 | | 49275 | |
| | inorganic material | silicondioxide | 60676-86-0 | 0.353 | 38.52 | 44.79 | 385244 | 447958 |
| leadfinish | non noble metal | tin | 7440-31-5 | 0.037 | 4.05 | 4.05 | 40548 | 40548 |
| plating | noble metal | silver | 7440-22-4 | 0.015 | 1.62 | 1.62 | 16200 | 16200 |
| solder | noble metal | silver | 7440-22-4 | 0.000 | | | 41 | |
| | non noble metal | tin | 7440-31-5 | 0.002 | 0.18 | 0.18 | 1776 | 1817 |
| ubm | non noble metal | tungsten | 7440-33-7 | 0.000 | | | 7 | |
| | non noble metal | titanium | 7440-32-6 | 0.000 | | | 12 | |
| | non noble metal | copper | 7440-50-8 | 0.000 | | | 34 | 53 |
| *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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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.



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