

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | SAK-TC277T-64F200N DC | **Issued** | 13. August 2019 |
| **MA#** | MA003975692 | | |
| **Package** | PG-LFBGA-292-6 | **Weight*** | 935.04 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 | 23.511 | 2.51 | 2.51 | 25144 | 25144 |
| wire | noble metal | palladium | 7440-05-3 | 0.014 | 0.00 | | 15 | |
| | non noble metal | copper | 7440-50-8 | 1.407 | 0.15 | 0.15 | 1505 | 1520 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.706 | 0.08 | | 755 | |
| | plastics | epoxy resin | - | 48.697 | 5.21 | | 52080 | |
| | inorganic material | silicondioxide | 60676-86-0 | 303.473 | 32.46 | 37.75 | 324558 | 377393 |
| substrate | plastics | epoxy resin | - | 6.479 | 0.69 | | 6929 | |
| | inorganic material | bariumsulfate | 7727-43-7 | 9.942 | 1.06 | | 10632 | |
| | plastics | acrylic resin | - | 11.506 | 1.23 | | 12305 | |
| | inorganic material | aluminiumhydroxide | 21645-51-2 | 53.265 | 5.70 | | 56966 | |
| | plastics | epoxy bismaleimide triazine resin | - | 61.156 | 6.54 | | 65405 | |
| | inorganic material | glass fibre | - | 82.857 | 8.86 | | 88614 | |
| | non noble metal | copper | 7440-50-8 | 196.577 | 21.02 | 45.10 | 210235 | 451086 |
| plating | noble metal | gold | 7440-57-5 | 1.106 | 0.12 | | 1183 | |
| | non noble metal | nickel | 7440-02-0 | 3.027 | 0.32 | 0.44 | 3238 | 4421 |
| solderball | noble metal | silver | 7440-22-4 | 4.457 | 0.48 | | 4767 | |
| | non noble metal | tin | 7440-31-5 | 122.898 | 13.14 | 13.62 | 131437 | 136204 |
| glue | plastics | epoxy resin | - | 0.989 | 0.11 | | 1058 | |
| | noble metal | silver | 7440-22-4 | 2.968 | 0.32 | 0.43 | 3174 | 4232 |
| *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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