

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | SAK-XC2336B-40F80LR AB | **Issued** | 02. June 2021 |
| **MA#** | MA002027392 | | |
| **Package** | PG-LQFP-64-24 | **Weight*** | 376.79 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 | 28.688 | 7.61 | 7.61 | 76137 | 76137 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.033 | 0.01 | | 89 | |
| | non noble metal | zinc | 7440-66-6 | 0.134 | 0.04 | | 355 | |
| | non noble metal | iron | 7439-89-6 | 2.675 | 0.71 | | 7099 | |
| | non noble metal | copper | 7440-50-8 | 108.612 | 28.83 | 29.59 | 288252 | 295795 |
| wires | noble metal | palladium | 7440-05-3 | 0.014 | | | 37 | |
| | non noble metal | copper | 7440-50-8 | 1.362 | 0.36 | 0.36 | 3614 | 3651 |
| encapsulation | organic material | carbon black | 1333-86-4 | 1.097 | 0.29 | | 2912 | |
| | plastics | epoxy resin | - | 29.627 | 7.86 | | 78630 | |
| | inorganic material | silicondioxide | 60676-86-0 | 188.736 | 50.10 | 58.25 | 500899 | 582441 |
| leadfinish | noble metal | palladium | 7440-05-3 | 0.001 | | | 3 | |
| | noble metal | silver | 7440-22-4 | 0.001 | | | 3 | |
| | noble metal | gold | 7440-57-5 | 0.002 | | | 5 | |
| | non noble metal | nickel | 7440-02-0 | 1.779 | 0.47 | 0.47 | 4721 | 4732 |
| plating | noble metal | silver | 7440-22-4 | 0.003 | | | 8 | |
| | noble metal | palladium | 7440-05-3 | 0.003 | | | 9 | |
| | noble metal | gold | 7440-57-5 | 0.005 | | | 14 | |
| | non noble metal | nickel | 7440-02-0 | 5.378 | 1.43 | 1.43 | 14274 | 14305 |
| glue | plastics | epoxy resin | - | 2.161 | 0.57 | | 5735 | |
| | noble metal | silver | 7440-22-4 | 6.482 | 1.72 | 2.29 | 17204 | 22939 |
| *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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