

# Material Content Data Sheet

RoHS | Halogen-Free

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|---|---|---|---|
| **Sales Product Name** | SAK-XC2365B-40F80LR AB | **Issued** | 11. November 2019 |
| **MA#** | MA002404144 | | |
| **Package** | PG-LQFP-100-15 | **Weight*** | 744.17 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 | 3.86 | 3.86 | 38550 | 38550 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.067 | 0.01 | | 90 | |
| | non noble metal | zinc | 7440-66-6 | 0.269 | 0.04 | | 361 | |
| | non noble metal | iron | 7439-89-6 | 5.372 | 0.72 | | 7219 | |
| | non noble metal | copper | 7440-50-8 | 218.131 | 29.31 | 30.08 | 293119 | 300789 |
| wires | noble metal | palladium | 7440-05-3 | 0.019 | 0.00 | | 25 | |
| | non noble metal | copper | 7440-50-8 | 1.854 | 0.25 | 0.25 | 2492 | 2517 |
| encapsulation | organic material | carbon black | 1333-86-4 | 2.337 | 0.31 | | 3140 | |
| | plastics | epoxy resin | - | 63.097 | 8.48 | | 84788 | |
| | inorganic material | silicondioxide | 60676-86-0 | 401.950 | 54.01 | 62.80 | 540130 | 628058 |
| leadfinish | noble metal | palladium | 7440-05-3 | 0.002 | 0.00 | | 2 | |
| | noble metal | silver | 7440-22-4 | 0.001 | 0.00 | | 2 | |
| | noble metal | gold | 7440-57-5 | 0.003 | 0.00 | | 4 | |
| | non noble metal | nickel | 7440-02-0 | 2.734 | 0.37 | 0.37 | 3674 | 3682 |
| plating | noble metal | silver | 7440-22-4 | 0.006 | 0.00 | | 8 | |
| | noble metal | palladium | 7440-05-3 | 0.007 | 0.00 | | 9 | |
| | noble metal | gold | 7440-57-5 | 0.011 | 0.00 | | 15 | |
| | non noble metal | nickel | 7440-02-0 | 10.982 | 1.48 | 1.48 | 14757 | 14789 |
| glue | plastics | epoxy resin | - | 2.161 | 0.29 | | 2904 | |
| | noble metal | silver | 7440-22-4 | 6.482 | 0.87 | 1.16 | 8711 | 11615 |
| *deviation | < 10% | | | | Sum in total: | 100.00 | | 1000000 |

**Important Remarks:**

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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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