

# Material Content Data Sheet

RoHS | Halogen-Free

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|---|---|---|---|
| **Sales Product Name** | SAL-TC265D-40F200N BC | **Issued** | 26. August 2019 |
| **MA#** | MA005398842 | | |
| **Package** | PG-LQFP-176-22 | **Weight*** | 1981.74 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 | 44.943 | 2.27 | 2.27 | 22679 | 22679 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.136 | 0.01 | | 69 | |
| | non noble metal | zinc | 7440-66-6 | 0.543 | 0.03 | | 274 | |
| | non noble metal | iron | 7439-89-6 | 10.869 | 0.55 | | 5484 | |
| | non noble metal | copper | 7440-50-8 | 441.312 | 22.27 | 22.86 | 222689 | 228516 |
| wires | noble metal | gold | 7440-57-5 | 0.003 | 0.00 | | 2 | |
| | noble metal | palladium | 7440-05-3 | 0.070 | 0.00 | | 35 | |
| | non noble metal | copper | 7440-50-8 | 3.087 | 0.16 | 0.16 | 1558 | 1595 |
| encapsulation | organic material | carbon black | 1333-86-4 | 4.303 | 0.22 | | 2171 | |
| | plastics | epoxy resin | - | 182.151 | 9.19 | | 91915 | |
| | inorganic material | silicondioxide | 60676-86-0 | 1247.803 | 62.95 | 72.36 | 629652 | 723738 |
| leadfinish | noble metal | palladium | 7440-05-3 | 0.004 | 0.00 | | 2 | |
| | noble metal | silver | 7440-22-4 | 0.004 | 0.00 | | 2 | |
| | noble metal | gold | 7440-57-5 | 0.007 | 0.00 | | 4 | |
| | non noble metal | nickel | 7440-02-0 | 7.048 | 0.36 | 0.36 | 3556 | 3564 |
| plating | noble metal | silver | 7440-22-4 | 0.016 | 0.00 | | 8 | |
| | noble metal | palladium | 7440-05-3 | 0.019 | 0.00 | | 9 | |
| | noble metal | gold | 7440-57-5 | 0.030 | 0.00 | | 15 | |
| | non noble metal | nickel | 7440-02-0 | 30.469 | 1.54 | 1.54 | 15375 | 15407 |
| glue | plastics | epoxy resin | - | 1.963 | 0.10 | | 990 | |
| | noble metal | silver | 7440-22-4 | 6.959 | 0.35 | 0.45 | 3511 | 4501 |
| *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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