

# Material Content Data Sheet

RoHS | Halogen-Free

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|---|---|---|---|
| **Sales Product Name** | SAL-TC275TP-64F200N DC | **Issued** | 23. December 2019 |
| **MA#** | MA003975728 | | |
| **Package** | PG-LQFP-176-22 | **Weight*** | 1985.28 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 | 61.870 | 3.12 | 3.12 | 31164 | 31164 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.136 | 0.01 | | 68 | |
| | non noble metal | zinc | 7440-66-6 | 0.543 | 0.03 | | 274 | |
| | non noble metal | iron | 7439-89-6 | 10.869 | 0.55 | | 5475 | |
| | non noble metal | copper | 7440-50-8 | 441.312 | 22.23 | 22.82 | 222291 | 228108 |
| wires | noble metal | palladium | 7440-05-3 | 0.034 | 0.00 | | 17 | |
| | non noble metal | copper | 7440-50-8 | 3.351 | 0.17 | 0.17 | 1688 | 1705 |
| encapsulation | organic material | carbon black | 1333-86-4 | 4.256 | 0.21 | | 2144 | |
| | plastics | epoxy resin | - | 180.180 | 9.08 | | 90758 | |
| | inorganic material | silicondioxide | 60676-86-0 | 1234.303 | 62.16 | 71.45 | 621727 | 714629 |
| 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 | 3550 | 3558 |
| 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 | 1.53 | 1.53 | 15348 | 15380 |
| glue | plastics | epoxy resin | - | 2.383 | 0.12 | | 1200 | |
| | noble metal | silver | 7440-22-4 | 8.449 | 0.43 | 0.55 | 4256 | 5456 |
| *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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