



Material Content Data Sheet



Halogen-Free

Sales Product Name TLE9851QXW

Issued

06. February 2022

MA# MA005209730

Package PG-VQFN-48-29

Weight*

130.13 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 | 4.258 | 3.27 | 3.27 | 32720 | 32720 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.018 | 0.01 | | 138 | |
| | non noble metal | zinc | 7440-66-6 | 0.072 | 0.06 | | 551 | |
| | non noble metal | iron | 7439-89-6 | 1.433 | 1.10 | | 11014 | |
| | non noble metal | copper | 7440-50-8 | 58.193 | 44.72 | 45.89 | 447203 | 458906 |
| wire | noble metal | gold | 7440-57-5 | 0.855 | 0.66 | 0.66 | 6567 | 6567 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.183 | 0.14 | | 1406 | |
| | plastics | epoxy resin | - | 7.743 | 5.95 | | 59506 | |
| | inorganic material | silicondioxide | 60676-86-0 | 53.044 | 40.76 | 46.85 | 407637 | 468549 |
| leadfinish | non noble metal | tin | 7440-31-5 | 2.596 | 2.00 | 2.00 | 19953 | 19953 |
| plating | noble metal | silver | 7440-22-4 | 0.614 | 0.47 | 0.47 | 4717 | 4717 |
| glue | plastics | epoxy resin | - | 0.257 | 0.20 | | 1975 | |
| | noble metal | silver | 7440-22-4 | 0.861 | 0.66 | 0.66 | 6613 | 8588 |
| *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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| Company | Infineon Technologies AG |
| Address | 81726 Neubiberg |
| Internet | www.infineon.com |