



Material Content Data Sheet



Halogen-Free

Sales Product Name TLE9867QXW20

Issued

05. February 2022

MA# MA001506240

Package PG-VQFN-48-29

Weight*

130.22 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 | 4.821 | 3.70 | 3.70 | 37020 | 37020 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.018 | 0.01 | | 138 | |
| | non noble metal | zinc | 7440-66-6 | 0.072 | 0.06 | | 550 | |
| | non noble metal | iron | 7439-89-6 | 1.433 | 1.10 | | 11006 | |
| | non noble metal | copper | 7440-50-8 | 58.193 | 44.70 | 45.87 | 446880 | 458574 |
| wire | noble metal | gold | 7440-57-5 | 0.823 | 0.63 | 0.63 | 6324 | 6324 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.181 | 0.14 | | 1392 | |
| | plastics | epoxy resin | - | 7.675 | 5.89 | | 58939 | |
| | inorganic material | silicondioxide | 60676-86-0 | 52.577 | 40.38 | 46.41 | 403755 | 464086 |
| leadfinish | non noble metal | tin | 7440-31-5 | 2.596 | 1.99 | 1.99 | 19938 | 19938 |
| plating | noble metal | silver | 7440-22-4 | 0.614 | 0.47 | 0.47 | 4714 | 4714 |
| glue | plastics | epoxy resin | - | 0.280 | 0.21 | | 2149 | |
| | noble metal | silver | 7440-22-4 | 0.937 | 0.72 | 0.93 | 7195 | 9344 |
| *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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