



Material Content Data Sheet



| Sales Product Name | | TLE8888-1QK | | Issued | | 1. August 2018 | | |
|---------------------------|--------------------|------------------|--------------------|----------------|------------------|----------------|--------------------|-----------|
| MA# | | MA001994490 | | | | | | |
| Package | | PG-LQFP-100-26 | | Weight* | | 700.89 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 | 52.824 | 7.54 | 7.54 | 75367 | 75367 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.054 | 0.01 | | 77 | |
| | non noble metal | zinc | 7440-66-6 | 0.216 | 0.03 | | 308 | |
| | non noble metal | iron | 7439-89-6 | 4.316 | 0.62 | | 6157 | |
| wire | non noble metal | copper | 7440-50-8 | 175.229 | 25.00 | 25.66 | 250008 | 256550 |
| | non noble metal | copper | 7440-50-8 | 4.222 | 0.60 | 0.60 | 6024 | 6024 |
| | encapsulation | organic material | carbon black | 1333-86-4 | 2.197 | 0.31 | | 3134 |
| leadfinish | plastics | epoxy resin | - | 59.312 | 8.46 | | 84623 | |
| | inorganic material | silicondioxide | 60676-86-0 | 377.839 | 53.92 | 62.69 | 539082 | 626839 |
| | noble metal | palladium | 7440-05-3 | 0.003 | 0.00 | | 4 | |
| plating | noble metal | silver | 7440-22-4 | 0.003 | 0.00 | | 4 | |
| | noble metal | gold | 7440-57-5 | 0.005 | 0.00 | | 7 | |
| | non noble metal | nickel | 7440-02-0 | 4.969 | 0.71 | 0.71 | 7090 | 7105 |
| | noble metal | silver | 7440-22-4 | 0.004 | 0.00 | | 6 | |
| | noble metal | palladium | 7440-05-3 | 0.005 | 0.00 | | 7 | |
| glue | noble metal | gold | 7440-57-5 | 0.008 | 0.00 | | 11 | |
| | non noble metal | nickel | 7440-02-0 | 7.594 | 1.08 | 1.08 | 10835 | 10859 |
| | plastics | epoxy resin | - | 3.024 | 0.43 | | 4314 | |
| *deviation | < 10% | | | 9.071 | 1.29 | 1.72 | 12942 | 17256 |
| 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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