



Material Content Data Sheet



Halogen-Free

| | | | |
|---------------------------|-------------|----------------|-----------------|
| Sales Product Name | TLE42694G | Issued | 18. August 2021 |
| MA# | MA001718836 | | |
| Package | PG-DSO-8-64 | Weight* | 81.49 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 | 1.353 | 1.66 | 1.66 | 16601 | 16601 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.009 | 0.01 | | 107 | |
| | non noble metal | zinc | 7440-66-6 | 0.035 | 0.04 | | 427 | |
| | non noble metal | iron | 7439-89-6 | 0.696 | 0.85 | | 8538 | |
| | non noble metal | copper | 7440-50-8 | 28.249 | 34.67 | 35.57 | 346670 | 355742 |
| wires | noble metal | palladium | 7440-05-3 | 0.001 | | | 12 | |
| | non noble metal | copper | 7440-50-8 | 0.098 | 0.12 | 0.12 | 1199 | 1211 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.146 | 0.18 | | 1787 | |
| | plastics | epoxy resin | - | 5.678 | 6.97 | | 69684 | |
| | inorganic material | silicondioxide | 60676-86-0 | 42.708 | 52.41 | 59.56 | 524121 | 595592 |
| leadfinish | noble metal | palladium | 7440-05-3 | 0.014 | 0.02 | | 166 | |
| | noble metal | gold | 7440-57-5 | 0.022 | 0.03 | | 268 | |
| | non noble metal | nickel | 7440-02-0 | 0.477 | 0.59 | 0.64 | 5859 | 6293 |
| plating | noble metal | palladium | 7440-05-3 | 0.038 | 0.05 | | 465 | |
| | noble metal | gold | 7440-57-5 | 0.061 | 0.07 | | 747 | |
| | non noble metal | nickel | 7440-02-0 | 1.333 | 1.64 | 1.76 | 16354 | 17566 |
| glue | plastics | epoxy resin | - | 0.143 | 0.17 | | 1749 | |
| | noble metal | silver | 7440-22-4 | 0.428 | 0.52 | 0.69 | 5246 | 6995 |
| *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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