

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | 1EDC30I12MH | **Issued** | 11. December 2019 |
| **MA#** | MA005407379 | | |
| **Package** | PG-DSO-8-59 | **Weight*** | 287.42 mg |

| Construction Element | Material Group | Substances | CAS# if applicable | Weight [mg] | Average Mass [%] | Sum [%] | Average Mass [ppm] | Sum [ppm] |
|---|---|---|---|---|---|---|---|---|
| chip_1 | inorganic material | silicon | 7440-21-3 | 2.068 | 0.72 | 0.72 | 7194 | 7194 |
| chip_2 | inorganic material | silicon | 7440-21-3 | 0.801 | 0.28 | 0.28 | 2788 | 2788 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.025 | 0.01 | | 88 | |
| | non noble metal | zinc | 7440-66-6 | 0.101 | 0.04 | | 351 | |
| | non noble metal | iron | 7439-89-6 | 2.018 | 0.70 | | 7022 | |
| | non noble metal | copper | 7440-50-8 | 81.947 | 28.51 | 29.26 | 285117 | 292578 |
| wire | noble metal | gold | 7440-57-5 | 0.310 | 0.11 | 0.11 | 1077 | 1077 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.594 | 0.21 | | 2067 | |
| | plastics | epoxy resin | - | 23.165 | 8.06 | | 80599 | |
| | inorganic material | silicondioxide | 60676-86-0 | 174.235 | 60.61 | 68.88 | 606208 | 688874 |
| leadfinish | noble metal | palladium | 7440-05-3 | 0.000 | 0.00 | | 1 | |
| | noble metal | silver | 7440-22-4 | 0.000 | 0.00 | | 1 | |
| | noble metal | gold | 7440-57-5 | 0.000 | 0.00 | | 2 | |
| | non noble metal | nickel | 7440-02-0 | 0.496 | 0.17 | 0.17 | 1727 | 1731 |
| plating | noble metal | silver | 7440-22-4 | 0.000 | 0.00 | | 1 | |
| | noble metal | gold | 7440-57-5 | 0.000 | 0.00 | | 1 | |
| | noble metal | palladium | 7440-05-3 | 0.000 | 0.00 | | 1 | |
| | non noble metal | nickel | 7440-02-0 | 0.052 | 0.02 | 0.02 | 182 | 185 |
| glue | plastics | epoxy resin | - | 0.400 | 0.14 | | 1393 | |
| | noble metal | silver | 7440-22-4 | 1.201 | 0.42 | 0.56 | 4180 | 5573 |
| *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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