

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | 6EDL04N02PR | **Issued** | 11. August 2021 |
| **MA#** | MA004656880 | | |
| **Package** | PG-TSSOP-28-17 | **Weight*** | 108.29 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 | 3.034 | 2.80 | 2.80 | 28023 | 28023 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.010 | 0.01 | | 97 | |
| | non noble metal | zinc | 7440-66-6 | 0.042 | 0.04 | | 386 | |
| | non noble metal | iron | 7439-89-6 | 0.837 | 0.77 | | 7727 | |
| | non noble metal | copper | 7440-50-8 | 33.975 | 31.37 | 32.19 | 313747 | 321957 |
| wire | noble metal | gold | 7440-57-5 | 0.318 | 0.29 | 0.29 | 2933 | 2933 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.195 | 0.18 | | 1801 | |
| | plastics | epoxy resin | - | 7.607 | 7.02 | | 70245 | |
| | inorganic material | silicondioxide | 60676-86-0 | 57.212 | 52.86 | 60.06 | 528337 | 600383 |
| leadfinish | noble metal | palladium | 7440-05-3 | 0.026 | 0.02 | | 237 | |
| | noble metal | gold | 7440-57-5 | 0.041 | 0.04 | | 381 | |
| | non noble metal | nickel | 7440-02-0 | 0.903 | 0.83 | 0.89 | 8340 | 8958 |
| plating | noble metal | palladium | 7440-05-3 | 0.077 | 0.07 | | 713 | |
| | noble metal | gold | 7440-57-5 | 0.124 | 0.11 | | 1147 | |
| | non noble metal | nickel | 7440-02-0 | 2.719 | 2.51 | 2.69 | 25107 | 26967 |
| glue | plastics | epoxy resin | - | 0.292 | 0.27 | | 2695 | |
| | noble metal | silver | 7440-22-4 | 0.875 | 0.81 | 1.08 | 8084 | 10779 |
| *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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