

# Material Content Data Sheet

RoHS

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|---|---|---|---|
| **Sales Product Name** | TLE4922-XIN-F | **Issued** | 24. February 2022 |
| **MA#** | MA005699943 | | |
| **Package** | PG-SSO-4-1 | **Weight*** | 112.28 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 | 0.856 | 0.76 | 0.76 | 7624 | 7624 |
| leadframe | non noble metal | chromium | 7440-47-3 | 0.229 | 0.20 | | 2038 | |
| | non noble metal | titanium | 7440-32-6 | 0.229 | 0.20 | | 2038 | |
| | non noble metal | nickel | 7440-02-0 | 0.305 | 0.27 | | 2717 | |
| | non noble metal | tin | 7440-31-5 | 0.458 | 0.41 | | 4075 | |
| | non noble metal | copper | 7440-50-8 | 75.040 | 66.85 | 67.93 | 668324 | 679192 |
| wire | noble metal | gold | 7440-57-5 | 0.053 | 0.05 | 0.05 | 468 | 468 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.216 | 0.19 | | 1926 | |
| | plastics | brominated resin | - | 0.270 | 0.24 | | 2408 | |
| | inorganic material | antimonytrioxide | 1309-64-4 | 0.541 | 0.48 | | 4816 | |
| | plastics | epoxy resin | - | 4.921 | 4.38 | | 43826 | |
| | inorganic material | silicondioxide | 60676-86-0 | 21.089 | 18.78 | 24.07 | 187826 | 240802 |
| leadfinish | non noble metal | tin | 7440-31-5 | 7.027 | 6.26 | 6.26 | 62585 | 62585 |
| plating | noble metal | silver | 7440-22-4 | 0.655 | 0.58 | 0.58 | 5833 | 5833 |
| glue | plastics | epoxy resin | - | 0.079 | 0.07 | | 699 | |
| | noble metal | silver | 7440-22-4 | 0.314 | 0.28 | 0.35 | 2797 | 3496 |
| *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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