

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | IAUC60N06S5L073 | **Issued** | 23. June 2021 |
| **MA#** | MA005435315 | | |
| **Package** | PG-TDSON-8-33 | **Weight*** | 111.37 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 | 0.394 | 0.35 | 0.35 | 3538 | 3538 |
| leadframe | inorganic material | phosphorus | 7723-14-0 | 0.016 | 0.01 | | 143 | |
| | non noble metal | iron | 7439-89-6 | 0.053 | 0.05 | | 475 | |
| | non noble metal | copper | 7440-50-8 | 52.842 | 47.45 | 47.51 | 474465 | 475083 |
| wire | noble metal | gold | 7440-57-5 | 0.044 | 0.04 | 0.04 | 399 | 399 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.077 | 0.07 | | 691 | |
| | plastics | epoxy resin | - | 6.081 | 5.46 | | 54602 | |
| | inorganic material | silicondioxide | 60676-86-0 | 32.330 | 29.03 | 34.56 | 290292 | 345585 |
| leadfinish | non noble metal | tin | 7440-31-5 | 1.574 | 1.41 | 1.41 | 14131 | 14131 |
| plating | noble metal | silver | 7440-22-4 | 0.209 | 0.19 | 0.19 | 1879 | 1879 |
| solder | non noble metal | tin | 7440-31-5 | 0.012 | 0.01 | | 106 | |
| | noble metal | silver | 7440-22-4 | 0.015 | 0.01 | | 133 | |
| | non noble metal | lead | 7439-92-1 | 0.565 | 0.51 | 0.53 | 5073 | 5312 |
| heat sink clip | inorganic material | phosphorus | 7723-14-0 | 0.005 | | | 45 | |
| | non noble metal | iron | 7439-89-6 | 0.017 | 0.02 | | 151 | |
| | non noble metal | copper | 7440-50-8 | 16.828 | 15.11 | 15.13 | 151094 | 151290 |
| heatspreader | inorganic material | phosphorus | 7723-14-0 | 0.000 | | | 1 | |
| | non noble metal | iron | 7439-89-6 | 0.000 | | | 3 | |
| | non noble metal | copper | 7440-50-8 | 0.310 | 0.28 | 0.28 | 2779 | 2783 |
| *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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.



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