

# Material Content Data Sheet

RoHS | Halogen-Free

| | | | |
|---|---|---|---|
| **Sales Product Name** | SAL-TC377TX-96F300S AB | **Issued** | 17. May 2021 |
| **MA#** | MA005418692 | | |
| **Package** | PG-LFBGA-292-13 | **Weight*** | 879.61 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 | 24.513 | 2.79 | 2.79 | 27868 | 27868 |
| wire | noble metal | palladium | 7440-05-3 | 0.015 | | | 17 | |
| | non noble metal | copper | 7440-50-8 | 1.502 | 0.17 | 0.17 | 1708 | 1725 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.704 | 0.08 | | 800 | |
| | plastics | epoxy resin | - | 48.568 | 5.52 | | 55215 | |
| | inorganic material | silicondioxide | 60676-86-0 | 302.669 | 34.41 | 40.01 | 344093 | 400108 |
| substrate | inorganic material | bariumsulfate | 7727-43-7 | 10.509 | 1.19 | | 11948 | |
| | plastics | acrylic resin | - | 12.162 | 1.38 | | 13827 | |
| | non noble metal | metal hydroxide | - | 14.262 | 1.62 | | 16214 | |
| | inorganic material | amorphous silica | 7631-86-9 | 28.524 | 3.24 | | 32428 | |
| | plastics | epoxy resin | - | 49.635 | 5.64 | | 56429 | |
| | inorganic material | glass fibre wool | 65997-17-3 | 57.049 | 6.49 | | 64857 | |
| | non noble metal | copper | 7440-50-8 | 193.849 | 22.04 | 41.60 | 220380 | 416083 |
| plating | noble metal | gold | 7440-57-5 | 1.136 | 0.13 | | 1292 | |
| | non noble metal | nickel | 7440-02-0 | 3.110 | 0.35 | 0.48 | 3536 | 4828 |
| solderball | noble metal | silver | 7440-22-4 | 4.457 | 0.51 | | 5068 | |
| | non noble metal | tin | 7440-31-5 | 122.898 | 13.97 | 14.48 | 139719 | 144787 |
| glue | plastics | epoxy resin | - | 1.012 | 0.12 | | 1150 | |
| | noble metal | silver | 7440-22-4 | 3.035 | 0.35 | 0.47 | 3451 | 4601 |
| *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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