



## Material Content Data Sheet



Halogen-Free

|                           |              |                |               |
|---------------------------|--------------|----------------|---------------|
| <b>Sales Product Name</b> | 6ED003L06-F2 | <b>Issued</b>  | 26. June 2021 |
| <b>MA#</b>                | MA005567596  |                |               |
| <b>Package</b>            | PG-DSO-28-48 | <b>Weight*</b> | 812.99 mg     |

| Construction Element | Material Group     | Substances     | CAS#<br>if applicable | Weight [mg] | Average<br>Mass [%] | Sum [%] | Average<br>Mass<br>[ppm] | Sum [ppm] |
|----------------------|--------------------|----------------|-----------------------|-------------|---------------------|---------|--------------------------|-----------|
| chip                 | inorganic material | silicon        | 7440-21-3             | 3.034       | 0.37                | 0.37    | 3732                     | 3732      |
| leadframe            | inorganic material | phosphorus     | 7723-14-0             | 0.069       | 0.01                |         | 85                       |           |
|                      | non noble metal    | zinc           | 7440-66-6             | 0.277       | 0.03                |         | 341                      |           |
|                      | non noble metal    | iron           | 7439-89-6             | 5.547       | 0.68                |         | 6823                     |           |
|                      | non noble metal    | copper         | 7440-50-8             | 225.231     | 27.70               | 28.42   | 277040                   | 284289    |
| wire                 | noble metal        | gold           | 7440-57-5             | 0.994       | 0.12                | 0.12    | 1223                     | 1223      |
| encapsulation        | organic material   | carbon black   | 1333-86-4             | 1.703       | 0.21                |         | 2094                     |           |
|                      | plastics           | epoxy resin    | -                     | 66.398      | 8.17                |         | 81671                    |           |
|                      | inorganic material | silicondioxide | 60676-86-0            | 499.404     | 61.44               | 69.82   | 614279                   | 698044    |
| leadfinish           | noble metal        | silver         | 7440-22-4             | 0.001       |                     |         | 1                        |           |
|                      | noble metal        | palladium      | 7440-05-3             | 0.001       |                     |         | 2                        |           |
|                      | noble metal        | gold           | 7440-57-5             | 0.002       |                     |         | 3                        |           |
|                      | non noble metal    | nickel         | 7440-02-0             | 2.122       | 0.26                | 0.26    | 2611                     | 2617      |
| plating              | noble metal        | silver         | 7440-22-4             | 0.004       |                     |         | 5                        |           |
|                      | noble metal        | palladium      | 7440-05-3             | 0.004       |                     |         | 5                        |           |
|                      | noble metal        | gold           | 7440-57-5             | 0.007       |                     |         | 9                        |           |
|                      | non noble metal    | nickel         | 7440-02-0             | 7.024       | 0.86                | 0.86    | 8640                     | 8659      |
| glue                 | plastics           | epoxy resin    | -                     | 0.292       | 0.04                |         | 359                      |           |
|                      | noble metal        | silver         | 7440-22-4             | 0.875       | 0.11                | 0.15    | 1077                     | 1436      |
| *deviation           | < 10%              | Sum in total:  |                       |             |                     | 100.00  |                          | 1000000   |

### Important Remarks:

- 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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