



Material Content Data Sheet



Halogen-Free

Sales Product Name ESD5V3U2U-03LRH E6327

Issued

11. April 2021

MA# MA001789544

Package PG-TSLP-3-7

Weight*

0.55 mg

| Construction Element | Material Group | Substances | CAS# if applicable | Weight [mg] | Average Mass [%] | Sum [%] | Average Mass [ppm] | Sum [ppm] |
|----------------------|--------------------|-----------------|-----------------------|-------------|---------------------|---------|--------------------------|-----------|
| chip_1 | non noble metal | tin | 7440-31-5 | 0.000 | 0.06 | | 636 | |
| | noble metal | gold | 7440-57-5 | 0.001 | 0.25 | | 2463 | |
| | inorganic material | silicon | 7440-21-3 | 0.011 | 1.93 | 2.24 | 19333 | 22432 |
| chip_2 | non noble metal | tin | 7440-31-5 | 0.000 | 0.06 | | 636 | |
| | noble metal | gold | 7440-57-5 | 0.001 | 0.25 | | 2463 | |
| | inorganic material | silicon | 7440-21-3 | 0.011 | 1.93 | 2.24 | 19333 | 22432 |
| leadframe | non noble metal | nickel | 7440-02-0 | 0.071 | 12.99 | 12.99 | 129873 | 129873 |
| wire | noble metal | gold | 7440-57-5 | 0.012 | 2.20 | 2.20 | 21952 | 21952 |
| encapsulation | organic material | carbon black | 1333-86-4 | 0.004 | 0.77 | | 7709 | |
| | inorganic material | zinc oxide | 1314-13-2 | 0.004 | 0.77 | | 7709 | |
| | miscellaneous | miscellaneous | - | 0.013 | 2.31 | | 23125 | |
| | plastics | epoxy resin | - | 0.051 | 9.25 | | 92498 | |
| | inorganic material | silicon dioxide | 60676-86-0 | 0.351 | 63.97 | 77.07 | 639779 | 770820 |
| leadfinish | noble metal | palladium | 7440-05-3 | 0.002 | 0.44 | | 4373 | |
| | noble metal | gold | 7440-57-5 | 0.008 | 1.41 | 1.85 | 14059 | 18432 |
| plating | noble metal | gold | 7440-57-5 | 0.008 | 1.41 | 1.41 | 14059 | 14059 |
| *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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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