

# MATERIAL DECLARATION SHEET



|                 |                        |          |    |     |   |  |                                                                                     |
|-----------------|------------------------|----------|----|-----|---|--|-------------------------------------------------------------------------------------|
| Package Type    | CD143A-(SR12~SR05)     |          |    |     |   |  |  |
| Product Line    | Semiconductor Products |          |    |     |   |  |                                                                                     |
| Compliance Date | Sept 09, 2025          |          |    |     |   |  |                                                                                     |
| RoHS Compliant  | Yes                    | Terminal | e3 | MSL | 1 |  |                                                                                     |

| No. | Construction Element (subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material\ Substances          | CASRN if applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|--------------------------------|----------------------|---------------------|-------------------------------------------|---------------------|------------------|-----------------------------------|-------------------------------|
| 1   | Encapsulation                  | Epoxy Resin          | 0.00533             | Amorphous Silica                          | 60676-86-0          | 91.690           | 52.667                            | 57.436                        |
|     |                                |                      |                     | Epoxy Resin A                             | Proprietary         | 4.170            | 2.391                             |                               |
|     |                                |                      |                     | Epoxy Resin B                             | 29690-82-2          | 1.410            | 0.811                             |                               |
|     |                                |                      |                     | Phenol Resin                              | Proprietary         | 2.150            | 1.232                             |                               |
|     |                                |                      |                     | Carbon Black                              | 1333-86-4           | 0.580            | 0.335                             |                               |
| 2   | Leadframe                      | Copper Alloy         | 0.00272             | Copper                                    | 7440-50-8           | 97.780           | 28.66                             | 29.310                        |
|     |                                |                      |                     | Iron                                      | 7439-89-6           | 2.118            | 0.620                             |                               |
|     |                                |                      |                     | Phosphorus                                | 7723-14-0           | 0.023            | 0.007                             |                               |
|     |                                |                      |                     | Zinc                                      | 7440-66-6           | 0.079            | 0.023                             |                               |
|     |                                | Silver Plating       | 0.00004             | Silver                                    | 7440-22-4           | 100.000          | 0.431                             | 0.431                         |
| 3   | Chip                           | Silicon              | 0.00065             | Silicon                                   | 7440-21-3           | 91.520           | 6.346                             | 7.004                         |
|     |                                |                      |                     | Nickel                                    | 7440-02-0           | 6.080            | 0.424                             |                               |
|     |                                |                      |                     | Aluminum                                  | 7429-90-5           | 2.020            | 0.208                             |                               |
|     |                                |                      |                     | Gold                                      | 7440-57-5           | 0.380            | 0.026                             |                               |
| 4.  | Die Attach                     | Silver Epoxy         | 0.00013             | Silver                                    | 7440-22-4           | 95.190           | 1.3339                            | 1.401                         |
|     |                                |                      |                     | Bisphenol-F-(Epichlorhydrin); Epoxy resin | 9003-36-5           | 2.756            | 0.0384                            |                               |
|     |                                |                      |                     | 1,4-Bis(2,3-epoxypropoxy) butane          | 2425-79-8           | 1.061            | 0.0148                            |                               |
|     |                                |                      |                     | Aromatic polyamine                        | Proprietary         | 0.965            | 0.0135                            |                               |
|     |                                |                      |                     | Adipic Acid                               | 124-04-9            | 0.028            | 0.0004                            |                               |
| 5   | Bond Wires                     | Gold                 | 0.00009             | Gold                                      | 7440-57-5           | 99.990           | 0.9699                            | 0.97                          |
|     |                                |                      |                     | Non- Au elements                          | Proprietary         | 0.010            | 0.0001                            |                               |
| 6   | Lead Finish                    | Matte Tin            | 0.00032             | Tin                                       | 7440-31-5           | 100.000          | 3.448                             | 3.448                         |
|     |                                | Total Weight         | 0.00928             |                                           |                     |                  |                                   |                               |

Important remarks:

1. It is responsibility of the user to verify they are accessing the latest version.