|   | Material Composit<br>© Copyright 2005. IPC,<br>international and Pan-Ar                               | Bannockb          | urn, Illinois. A          | ll rights reserved untions. | nder both              | This docum<br>level parts,  | ent is a declara<br>the declaration | tion of the sencompasse     | ubstances<br>es all lowe | within the manufactu<br>r level materials for w | rer listed                      | item. Note: i<br>nanufacturer | f the item is an as<br>r has engineering | ssembly with lower responsibility. |  |
|---|---|-------------------|---------------------------|-----------------------------|------------------------|---|-------------------------------------|-----------------------------|--------------------------|---|---------------------------------|-------------------------------|--|------------------------------------|--|
|   | IPC Web Site for Information on IPC-1752 Standard Form Type<br>http://www.ipc.org/IPC-175x Distribute |                   |                           |                             | e *                    | <ul> <li>Declaration Class *<br/>Class 6 - RoHS Yes/No, Homogeneous Materi</li> </ul> |                                     |                             |                          |   | als and Mfg Information         |                               |  |                                    |  |
| Supplier Informat                             | tion  |                   |                           |                             |                        |   |                                     |                             |                          |   |                                 |                               |  |                                    |  |
| Company name*                                 |   |                   | Company unique ID         |                             |                        |   | Unique ID Authority                 |                             |                          |   |                                 | Response Date*                |  |                                    |  |
| onsemi  |   |                   |                           |                             |                        |   |                                     |                             |                          |   | 2024-04-30                      |                               |  |                                    |  |
| Contact Name                                  |   |                   | Title - Contact           |                             |                        |   | Phone - Contact*                    |                             |                          |   | Email - Contact*                |                               |  |                                    |  |
| Product-Env-Stewards                          |   |                   | Product Enviro Compliance |                             |                        |   | NA                                  |                             |                          |   | Product-Env-Stewards@onsemi.com |                               |  |                                    |  |
| Authorized Representative*                    |   |                   | Title - Representative    |                             |                        |   | Phone - Representative*             |                             |                          | Email - Representative*                         |                                 |                               |  |                                    |  |
| Product-Env-Stewards                          |   |                   | Product Enviro Compliance |                             |                        |   | NA                                  |                             |                          |   | Product-Env-Stewards@onsemi.com |                               |  |                                    |  |
| Requester I                                   | Requester Item Number Mfr Item  |                   | n Number Mfr Item Name    |                             |                        |   | Effective Dat                       | e Version                   | . 1                      | Manufacturing Site                              |                                 | Weight*                       | UOM                                      | Unit Type                          |  |
|   |   | MMSZ43            | AMSZ43T1G ZEN SC          |                             | EN SOD123 REG 0.5W 43V |   | 2024-04-30                          | 24-04-30 CN1                |                          |   | 11.67                           | mg                            | Each                                     |                                    |  |
| Manufacturing Pr                              | coccess Information   | 1                 |                           |                             |                        |   |                                     |                             |                          |   |                                 |                               |  |                                    |  |
| Terminal Plating / Grid Array Material Termin |   | erminal Base A    | Base Alloy J-STD-020 MSL  |                             | L Rating               | Peak Process Body Temperatu   |                                     | ure Max Time at Peak Temper |                          | ture Numb                                       | per of Reflow Cy                | cles                          |  |                                    |  |
| Matte Tin (Sn) - annealed CU A                |   |                   | U Alloy                   | y 1                         |                        |   | 260 C 30                            |                             |                          | seconds 3                                       |                                 |                               |  |                                    |  |
| Comments                                      |   |                   |                           |                             |                        |   |                                     |                             |                          |   |                                 |                               |  |                                    |  |
| evel 1 - maximum tim                          | e at peak temperature d   | luring sol        | dering is 10-3            | 0 seconds                   |                        |   |                                     |                             |                          |   |                                 |                               |  |                                    |  |
| For more information                          | regarding material com  | position <b>j</b> | please refer to           | page 3                      |                        |   |                                     |                             |                          |   |                                 |                               |  |                                    |  |

| RoHS Material Composition Declaration  |  |  |   | Declaration Type *  | Detailed  |  |  |  |  |
|--|--|--|---|---|---|--|--|--|--|
| Directive 2015/863/EU amending RoHS<br>Directive 2011/65/EU  |  | nium (Cr6+), Polybro   | ominated Biphenyls (PBB), Polybron  | dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth |   |  |  |  |  |
| cadmium, hexavalentchromium, polybrominate<br>contains a RoHS restricted substance inexcess<br>encompass all such components. Supplier certif<br>as of the date that Supplier completes this form<br>Company acknowledges that Supplier may hav<br>independently verified information provided by<br>certification in this paragraph. If the Company a | ed biphenyls and/or polybrominated dip<br>of an applicable quantity limit, please ir<br>ies that it gathered the information it pro-<br>.Supplier acknowledges that Company<br>e relied on informationprovided by othe<br>v others, Supplier agrees that, at a minin<br>and the Supplier enter into a written agre<br>pource of the Supplier's liability and the | henyl ethers (each a "<br>ndicate below which, i<br>ovides in this form us<br>will rely on this certifiers<br>in completing this<br>num, itssuppliers have<br>eement with respect to<br>Company's remedies | RoHS restricted substance") in exce<br>if any, RoHS exemption you believe<br>ing appropriate methods to ensure if<br>ication in determining the complian<br>form, and that Supplier may not have<br>e provided certifications regarding the<br>to the identified part, the terms and co<br>for issues that arise regarding inform | ce of its products with European Union membe  | ove. If a homogeneous material within the part<br>er level components, the declaration shall<br>l correct to the best of its knowledge and belief,<br>r state laws that implement the RoHS Directive.<br>wever, in situations where Supplier has not<br>tions are at least as comprehensive as the<br>anty rights and/or remedies provided as part of |  |  |  |  |
| RoHS Declaration * 1 - Item(s)   | does not contain RoHS restricted substa  | on above   | Supplier Acceptance   | * Accepted  |   |  |  |  |  |
| Exemption: If the declared item does not con applicable exemptions.  | ntain RoHS restricted substances per   | the definition above   | except for defined RoHS exempti   | ons, then select the corresponding response i   | n the RoHS Declaration above and choose all   |  |  |  |  |
| Exemption List Version   | EL-2011/534/EU   |  |   |   |   |  |  |  |  |
| Declaration Signature  |  |  |   |   |   |  |  |  |  |
| Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.                                      |  |  |   |   |   |  |  |  |  |
| Supplier Digital Signature Ra  | stislav Drska  | Le   |   |   |   |  |  |  |  |

## Homogeneous Material Composition Declaration for Electronic Products

SubItem Instructions: The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3

| sigma range of distribution unless otherwise noted). |        |                 |          |                              |            |        |        |                 |  |
|--|--------|-----------------|----------|------------------------------|------------|--------|--------|-----------------|--|
| Homogeneous Material                                 | Weight | Unit of Measure | Level    | Substance                    | CAS        | Exempt | Weight | Unit of Measure |  |
| Die  | 0.88   | mg              | Supplier | Silicon (Si)                 | 7440-21-3  |        | 0.88   | mg              |  |
| Lead Frame   | 3.19   | mg              | В        | Nickel (Ni)                  | 7440-02-0  |        | 1.158  | mg              |  |
|  |        |                 | Supplier | Iron (Fe)                    | 7439-89-6  |        | 1.6014 | mg              |  |
|  |        |                 | Supplier | Copper (Cu)                  | 7440-50-8  |        | 0.4306 | mg              |  |
| Mold Compound-Black                                  | 6.51   | mg              | Supplier | Ortho Cresol Novolac Resin   | 29690-82-2 |        | 0.651  | mg              |  |
|  |        |                 | Supplier | Carbon Black (C)             | 1333-86-4  |        | 0.0325 | mg              |  |
|  |        |                 | Supplier | Aluminum Hydroxide (Al(OH)3) | 21645-51-2 |        | 0.9439 | mg              |  |
|  |        |                 | Supplier | Fused Silica (SiO2)          | 60676-86-0 |        | 4.2315 | mg              |  |
|  |        |                 | Supplier | Phenolic Resin (Novolac)     | 9003-35-4  |        | 0.651  | mg              |  |
| Plating  | 0.8    | mg              | Supplier | Tin (Sn)                     | 7440-31-5  |        | 0.8    | mg              |  |
| Wire Bond  | 0.29   | mg              | Supplier | Palladium (Pd)               | 7440-05-3  |        | 0.0038 | mg              |  |
|  |        |                 | Supplier | Copper (Cu)                  | 7440-50-8  |        | 0.2862 | mg              |  |