| © (   | aterial Composit<br>Copyright 2005. IPC, 1<br>ernational and Pan-An                                   | Bannockb                   | urn, Illinois. A          | ll rights reserved tions. | under both        | This docume<br>level parts, t                                    | ent is a declarat<br>he declaration | ion of the su<br>encompasse | ibstances v<br>s all lower | within the manufactule level materials for w | urer listed which the r | tem. Note<br>nanufactur         | : if the item is an as<br>rer has engineering | ssembly with low responsibility. |  |
|---|---|----------------------------|---------------------------|---------------------------|-------------------|--|-------------------------------------|-----------------------------|----------------------------|--|-------------------------|---------------------------------|---|----------------------------------|--|
|   | IPC Web Site for Information on IPC-1752 Standard Form Type<br>http://www.ipc.org/IPC-175x Distribute |                            |                           |                           | e *               | Declaration Class *<br>Class 6 - RoHS Yes/No, Homogeneous Materi |                                     |                             |                            |  | als and Mfg Information |                                 |   |                                  |  |
| upplier Information                             | n   |                            |                           |                           |                   |  |                                     |                             |                            |  |                         |                                 |   |                                  |  |
| Company name*                                   |   |                            | Company unique ID         |                           |                   |  | Unique ID Authority                 |                             |                            |  | Respon                  | Response Date*                  |   |                                  |  |
| onsemi  |   |                            |                           |                           |                   |  |                                     |                             |                            |  | 2023-06                 | 2023-06-08                      |   |                                  |  |
| Contact Name Titl                               |   |                            | Title - Contac            | Title - Contact           |                   |  | Phone - Contact*                    |                             |                            |  | Email -                 | Email - Contact*                |   |                                  |  |
| Product-Env-Stewards                            |   |                            | Product Enviro Compliance |                           |                   |  | NA                                  |                             |                            |  | Produ                   | Product-Env-Stewards@onsemi.com |   |                                  |  |
| Authorized Representative* T                    |   |                            | Title - Representative    |                           |                   | Phone - Representative*  |                                     |                             | Email -                    | Email - Representative*                      |                         |                                 |   |                                  |  |
| Product-Env-Stewards                            |   |                            | Product Enviro Compliance |                           |                   |  | NA                                  |                             |                            |  | Produe                  | Product-Env-Stewards@onsemi.com |   |                                  |  |
| Requester Item Number Mfr Item                  |   | Mfr Item                   | n Number Mfr Item Name    |                           |                   |  | Effective Date                      | Version                     | M                          | Manufacturing Site                           |                         | Weight*                         | UOM   | Unit Type                        |  |
|   |   | LC05711A01RATBG 1 cell LiB |                           | 1 cell LiB Protec         | LiB Protection IC |  | 2023-06-08                          |                             | P                          | РНМ  |                         | 8.9                             | mg  | Each                             |  |
| Ianufacturing Proc                              | cess Information  | l                          |                           |                           |                   |  |                                     |                             |                            |  |                         |                                 |   |                                  |  |
| Terminal Plating / Grid Array Material Terminal |   | erminal Base A             | e Alloy J-STD-020 MSL Ra  |                           | L Rating          | Peak Proc  | Peak Process Body Temperature       |                             | e Max Time at Pea          | k Tempera                                    | ture Nur                | nber of Reflow Cy               | cles  |                                  |  |
| SnAgCu CU Allo                                  |   |                            | CU Alloy                  | 1                         |                   |  | 260 C 30                            |                             | secoi                      | seconds 3                                    |                         |                                 |   |                                  |  |
| omments   |   |                            |                           |                           |                   |  |                                     |                             |                            |  |                         |                                 |   |                                  |  |
| vel 1 - maximum time at                         | t peak temperature d  | luring sol                 | dering is 10-30           | ) seconds                 |                   |  |                                     |                             |                            |  |                         |                                 |   |                                  |  |
| or more information reg                         | arding material com   | position                   | please refer to           | page 3                    |                   |  |                                     |                             |                            |  |                         |                                 |   |                                  |  |

| RoHS Material Composition Declaration  |  |  |   | Declaration Type *                              | Detailed  |  |  |  |  |  |  |  |
|--|--|--|---|---|---|--|--|--|--|--|--|--|
| Directive 2015/863/EU amending RoHS<br>Directive 2011/65/EU  | RoHS Definition: Quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Disobutyl phthalate (DIBP). |  |   |   |   |  |  |  |  |  |  |  |
| 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  | ances per the definitio  | 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 fin<br>Requester) and click on Submit Form to have  | elds on all pages of this form. Select the form returned to the Requester  | he "Accepted" on th  | e Supplier Acceptance drop-down   | . This will display the signature area. Digital | lly sign the declaration (if required by the  |  |  |  |  |  |  |  |
| 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 t<br>select a RoHS exemption, if applic<br>sigma range of distribution unless | able [E] enter the weigh | , Requester or Supplier) [B<br>at of the substance or the P | ] select the substance of the substance | ance category (JIG or Requester) or enter a<br>[F] Optionally enter the positive (+) and n | value (Supplier). [C] select<br>egative (-) tolerance in perc | t the substance (Jl<br>cent (Note: percer | IG) or enter the substa<br>at tolerance values are | nce and CAS (Other). [D]<br>expected to cover a 3 |
|--|--------------------------|---|---|--|---|---|--|---|
| Homogeneous Material   | Weight                   | Unit of Measure   | Level   | Substance  | CAS   | Exempt                                    | Weight   | Unit of Measure                                   |
| Die  | 5.013                    | mg  | Supplier  | Silicon (Si)   | 7440-21-3   |   | 5.013  | mg  |
| Electrode  | 0.196                    | mg  | Supplier  | Copper (Cu)  | 7440-50-8   |   | 0.196  | mg  |
| Insulating Layer   | 0.198                    | mg  |   | Polyimide  | proprietary data  |   | 0.198  | mg  |
| Solder Ball  | 1.813                    | mg  | Supplier  | Silver (Ag)  | 7440-22-4   |   | 0.0471   | mg  |
|  |                          |   | Supplier  | Tin (Sn)   | 7440-31-5   |   | 1.755  | mg  |
|  |                          |   | Supplier  | Copper (Cu)  | 7440-50-8   |   | 0.0109   | mg  |
| Substrate and Solder Mask  | 1.68                     | mg  | Supplier  | Silica Amorphous (SiO2)  | 7631-86-9   |   | 1.596  | mg  |
|  |                          |   | Supplier  | Bismaleimide Triazine resin  | Proprietary Data  |   | 0.084  | mg  |