| ABSOCIATION CONNECTING<br>ELECTRANCE INDUSTRIES® INCLUSTRIES | . Bannockburr  | n. Illinois. A             | ll rights reserved unitions. | under both           | This docume<br>level parts, t   | ent is a declara<br>he declaration | tion of the sencompass    | substances<br>es all lowe | within the<br>er level mate  | manufacture<br>erials for wh    | er listed iten<br>ich the mar   | n. Note: i<br>nufacture           | if the item is an as<br>r has engineering | sembly with lowe<br>responsibility. |
|--|--|----------------------------|------------------------------|----------------------|---|------------------------------------|---------------------------|---------------------------|------------------------------|---------------------------------|---------------------------------|-----------------------------------|---|-------------------------------------|
|  | IPC Web Site for Information on IPC-1752 Standard Form<br>http://www.ipc.org/IPC-175x Dist |                            |                              |                      | <ul> <li>Declaration Class *<br/>Class 6 - RoHS Yes/No, Homogeneous Material</li> </ul> |                                    |                           |                           |                              | ls and Mfg Information          |                                 |                                   |   |                                     |
| Supplier Information   |  |                            |                              |                      |   |                                    |                           |                           |                              |                                 |                                 |                                   |   |                                     |
| Company name* Com  |  |                            | Company unique ID            |                      |   | Unique ID Authority                |                           |                           |                              |                                 | Response Date*                  |                                   |   |                                     |
| onsemi   |  |                            |                              |                      |   |                                    |                           |                           |                              |                                 | 2025-08-03                      |                                   |   |                                     |
| Contact Name   | tact Name Title - Contact  |                            |                              |                      |   | Phone - Contact*                   |                           |                           |                              |                                 | Email - Contact*                |                                   |   |                                     |
| Product-Env-Stewards Product Envi                            |  |                            | viro Compliance              |                      |   | NA                                 |                           |                           |                              | Product-Env-Stewards@onsemi.com |                                 |                                   |   |                                     |
| Authorized Representative* Title - Representati              |  |                            | ntative !                    |                      |   | Phone - Representative*            |                           |                           |                              | Email - Representative*         |                                 |                                   |   |                                     |
| Product-Env-Stewards Product                                 |  |                            | oduct Enviro Compliance      |                      |   | NA                                 |                           |                           |                              |                                 | Product-Env-Stewards@onsemi.com |                                   |   |                                     |
| Requester Item Number  | Mfr Item Number  |                            | r Mfr Item Name              |                      |   | Effective Da                       | e Versior                 | ı                         | Manufacturing Site           |                                 | We                              | eight*                            | UOM                                       | Unit Type                           |
|  | SMUN5233   | IUN5233DW1T1G SS SC88 BR X |                              | TR NPN 50V           |   | 2025-08-03                         |                           |                           | CN1                          |                                 | 6.2                             | !                                 | mg  | Each                                |
| Manufacturing Proccess Informatio                            | n  |                            | -                            |                      |   |                                    | -                         |                           |                              |                                 |                                 |                                   |   |                                     |
| Terminal Plating / Grid Array Mater                          | lating / Grid Array Material Terminal Base   |                            | Alloy                        | J-STD-020 MSL Rating |   | Peak Pro                           | k Process Body Temperatur |                           | are Max Time at Peak Tempera |                                 | Femperature                     | mperature Number of Reflow Cycles |   | les                                 |
| Matte Tin (Sn) - annealed CU Alloy                           |  | Alloy                      |                              | 1                    |   | 260                                |                           | С                         | 30                           |                                 | seconds                         | 3                                 |   |                                     |
| Comments   |  |                            |                              |                      |   |                                    |                           |                           |                              |                                 |                                 |                                   |   |                                     |
| evel 1 - maximum time at peak temperature                    | during solder  | ring is 10-3               | 0 seconds                    |                      |   |                                    |                           |                           |                              |                                 |                                 |                                   |   |                                     |
| for more information regarding material co                   | nposition ple  | ease 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), Dibutyl 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.

| Homogeneous Material | Weight | Unit of Measure | Level    | Substance  | CAS         | Exempt | Weight | Unit of Measure |
|----------------------|--------|-----------------|----------|--|-------------|--------|--------|-----------------|
| Die                  | 0.19   | mg              | Supplier | Silicon (Si)   | 7440-21-3   | Exempt | 0.19   | mg              |
| Lead Frame           | 2.04   | mg              | В        | Nickel (Ni)  | 7440-02-0   |        | 0.7813 | mg              |
|                      |        | -               | Supplier | Iron (Fe)  | 7439-89-6   |        | 1.0792 | mg              |
|                      |        |                 | Supplier | Copper (Cu)  | 7440-50-8   |        | 0.1795 | mg              |
| Mold Compound-Black  | 3.9    | mg              | Supplier | Boron zinc hydroxide oxide                             | 138265-88-0 |        | 0.117  | mg              |
|                      |        |                 | Supplier | Zinc Monoxide (ZnO)                                    | 1314-13-2   |        | 0.0195 | mg              |
|                      |        |                 | Supplier | 2,4,6-triamino-s-triazincompd.withs-<br>triazine-triol | 37640-57-6  |        | 0.117  | mg              |
|                      |        |                 | Supplier | Silica Amorphous (SiO2)                                | 7631-86-9   |        | 3.12   | mg              |
|                      |        |                 | Supplier | Carbon Black (C)                                       | 1333-86-4   |        | 0.039  | mg              |
|                      |        |                 | Supplier | Ortho-Cresol Novolac Resin                             | 29690-82-2  |        | 0.312  | mg              |
|                      |        |                 | Supplier | Phenolic Resin (Novolac)                               | 9003-35-4   |        | 0.1755 | mg              |
| Plating              | 0.05   | mg              | Supplier | Tin (Sn)   | 7440-31-5   |        | 0.05   | mg              |
| Wire Bond - Cu       | 0.02   | mg              | Supplier | Copper (Cu)  | 7440-50-8   |        | 0.02   | mg              |

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 (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 signa range of distribution unless otherwise noted).