| ASSOCIATION CONNECTING<br>LECTRONICS INDUSTRIES®<br>International and Pan | C. Bannockh   | ourn, Illinois, A  | ll rights reserved u ntions. | nder both                 | This docum<br>level parts, t   | ent is a declarat<br>the declaration | ion of the su<br>encompasse       | ubstances<br>s all lowe | within the manufactu<br>er level materials for w | rer listed                      | item. Note: i<br>manufacturer   | f the item is an as<br>r has engineering | sembly with lower responsibility. |  |
|---|---|--------------------|------------------------------|---------------------------|--|--------------------------------------|-----------------------------------|-------------------------|--|---------------------------------|---------------------------------|--|-----------------------------------|--|
|   | IPC Web Site for Information on IPC-1752 Standard Form 7<br>http://www.ipc.org/IPC-175x Distrib |                    |                              |                           | * Declaration Class *<br>Class 6 - RoHS Yes/No, Homogeneous Material |                                      |                                   |                         |  | ials and N                      | ls and Mfg Information          |  |                                   |  |
| Supplier Information  |   |                    |                              |                           |  |                                      |                                   |                         |  |                                 |                                 |  |                                   |  |
| Company name* Co  |   | Company uni        | Company unique ID            |                           |  | Unique ID Authority                  |                                   |                         |  | Respon                          | Response Date*                  |  |                                   |  |
| onsemi  |   |                    |                              |                           |  | 1                                    |                                   |                         |  | 2023-0                          | 2023-06-08                      |  |                                   |  |
| Contact Name Title - Contact  |   |                    | act                          |                           |  | Phone - Contact*                     |                                   |                         |  | Email ·                         | Email - Contact*                |  |                                   |  |
| Product-Env-Stewards Product E  |   |                    | luct Enviro Compliance       |                           |  | NA                                   |                                   |                         |  | Product-Env-Stewards@onsemi.com |                                 |  |                                   |  |
| Authorized Representative* Title - Re                                     |   |                    | - Representative             |                           |  | Phone - Representative*              |                                   |                         | Email ·  | Email - Representative*         |                                 |  |                                   |  |
| Product-Env-Stewards Product  |   |                    | Product Enviro Compliance    |                           |  | NA                                   |                                   |                         |  | Produ                           | Product-Env-Stewards@onsemi.com |  |                                   |  |
| Requester Item Number   | Mfr Item  | n Number           | mber Mfr Item Name           |                           |  | Effective Date                       | e Date Version Manufacturing Site |                         |  | Weight*                         | UOM                             | Unit Type                                |                                   |  |
|   | NCV890  | NCV890201MWTXG AUT |                              | AUTOMOTIVE BUCK SWITCHING |  | 2023-06-08                           |                                   |                         | MY1  |                                 | 23.85                           | mg                                       | Each                              |  |
| Manufacturing Proccess Informat   | ion   |                    |                              |                           |  |                                      |                                   |                         |  |                                 |                                 |  |                                   |  |
| Terminal Plating / Grid Array Ma  | Terminal Plating / Grid Array Material Terminal Base A  |                    | Alloy J                      | -STD-020 MSL              | Rating   | Peak Proc                            | ess Body T                        | emperatu                | re Max Time at Peak                              | Tempera                         | ture Numb                       | per of Reflow Cy                         | cles                              |  |
| Matte Tin (Sn) - annealed CU Alloy  |   | 1                  | l                            |                           | 260  |                                      | С                                 | 30                      | seco   | nds 3                           |                                 |  |                                   |  |
| Comments  |   |                    |                              |                           |  |                                      |                                   |                         |  |                                 |                                 |  |                                   |  |
| level 1 - maximum time at peak temperatu                                  | re during sol   | ldering is 10-3    | 0 seconds                    |                           |  |                                      |                                   |                         |  |                                 |                                 |  |                                   |  |
| For more information regarding material (                                 | composition   | 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  |   | % by mass (1000 PPM) in homogeneous material for: Lead<br>E), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl  |  |  |  |  |  |  |  |  |  |
| 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 cc<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 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                  | 1.01   | mg              | Supplier | Silicon (Si)  | 7440-21-3        |        | 1.01   | mg              |
| Die Attach           | 0.12   | mg              | Supplier | Isobornyl Methacrylate  | 7534-94-3        |        | 0.0072 | mg              |
|                      |        |                 | Supplier | Silver (Ag)   | 7440-22-4        |        | 0.0978 | mg              |
|                      |        |                 | Supplier | Isobornyl Acrylate  | 5888-33-5        |        | 0.0072 | mg              |
|                      |        |                 | Supplier | Misc.   | Proprietary Data |        | 0.0006 | mg              |
|                      |        |                 | Supplier | Tricyclo[5.2.1.02,6]decanedimethanol<br>Diacrylate (C18H24O4) | 42594-17-2       |        | 0.0072 | mg              |
| Lead Frame 7.0       | 7.06   | mg              | Supplier | Tin (Sn)  | 7440-31-5        |        | 0.0176 | mg              |
|                      |        |                 | Supplier | Zinc (Zn)   | 7440-66-6        |        | 0.0155 | mg              |
|                      |        |                 | Supplier | Chromium (Cr)   | 7440-47-3        |        | 0.0176 | mg              |
|                      |        |                 | Supplier | Copper (Cu)   | 7440-50-8        |        | 7.0092 | mg              |
| ead Frame plating    | 0.14   | mg              | Supplier | Silver (Ag)   | 7440-22-4        |        | 0.14   | mg              |
| Mold Compound-Black  | 14.2   | mg              |          | Epoxy resin   | proprietary data |        | 0.6674 | mg              |
|                      |        |                 | Supplier | Silica Amorphous (SiO2)                                       | 7631-86-9        |        | 1.42   | mg              |
|                      |        |                 | Supplier | Carbon Black (C)  | 1333-86-4        |        | 0.0142 | mg              |
|                      |        |                 | Supplier | Fused Silica (SiO2)   | 60676-86-0       |        | 11.431 | mg              |
|                      |        |                 | Supplier | Phenolic Resin (Novolac)                                      | 9003-35-4        |        | 0.6674 | mg              |
| Plating              | 1.1    | mg              | Supplier | Tin (Sn)  | 7440-31-5        |        | 1.1    | mg              |
| Wire Bond - Au       | 0.22   | mg              | Supplier | Gold (Au)   | 7440-57-5        |        | 0.22   | mg              |