| ABBOCIATION CONNECTING<br>LECTROMICS INDUSTRIES  | ckburn, Illinois. A  | Il rights reserved nations. | under both      | This docume<br>level parts, th | ent is a declaration e            | on of the su  | bstances v<br>all lower | within the manufactur<br>level materials for w | rer listed iter<br>hich the man | n. Note: if<br>nufacturer | f the item is an as<br>has engineering | sembly with low responsibility. |
|--|--|-----------------------------|-----------------|--------------------------------|-----------------------------------|---|-------------------------|--|---------------------------------|---------------------------|--|---------------------------------|
|  | IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute |                             |                 | *                              |                                   | Declaration Class *<br>Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information |                         |  |                                 |                           |  |                                 |
| Supplier Information                             |  |                             |                 |                                |                                   |   |                         |  |                                 |                           |  |                                 |
| Company name* Company unique ID                  |  |                             |                 | ι                              | Unique ID Authority Resp          |   |                         |  | Response                        | esponse Date*             |  |                                 |
| nsemi  | mi   |                             |                 |                                | 2023-06-08                        |   |                         |  |                                 |                           |  |                                 |
| Contact Name                                     | Name Title - Contact   |                             |                 | []                             | Phone - Contact* Email - Contact* |   |                         |  |                                 |                           |  |                                 |
| roduct-Env-Stewards Product Enviro Compliance    |  |                             |                 |                                | NA                                |   |                         | Product-Env-Stewards@onsemi.com                |                                 |                           |  |                                 |
| uthorized Representative* Title - Representative |  |                             |                 | ]                              | Phone - Representative* Ema       |   |                         |  | Email - R                       | Cmail - Representative*   |  |                                 |
| Product-Env-Stewards Product Enviro Compliance   |  |                             |                 |                                | NA Product-Env-Stewards@on        |   |                         |  |                                 | ards@onsemi.co            | m                                      |                                 |
| Requester Item Number Mfr I                      | em Number Mfr Item Number  |                             | r Mfr Item Name |                                | Effective Date                    | Version   | М                       | Manufacturing Site                             |                                 | eight*                    | UOM                                    | Unit Type                       |
| AR0.<br>A0-T                                     | 35CS2M25SUE<br>PBR   |                             |                 |                                | 2023-06-08                        |   | М                       | MY5  |                                 | 0.0                       | mg                                     | Each                            |
| Aanufacturing Proccess Information               |  |                             |                 |                                |                                   |   |                         |  |                                 |                           |  |                                 |
| Terminal Plating / Grid Array Material           | Terminal Base  | Alloy                       | J-STD-020 MSL   | Rating                         | Peak Proce                        | ess Body Te   | emperature              | e Max Time at Peak                             | Temperatur                      | e Numb                    | er of Reflow Cyc                       | eles                            |
| SnAgCu CU Alloy 3                                |  |                             | 3               |                                | 260                               |   | С                       | 30   | seconds                         | 3                         |  |                                 |
| omments  |  |                             |                 |                                |                                   |   |                         |  |                                 |                           |  |                                 |
| TTENTION: MSL 3 Rated item requires Bake an      | l Dry Pack (after  | electrical test)            |                 |                                |                                   |   |                         |  |                                 |                           |  |                                 |
| or more information regarding material compositi | on please refer to   | page 3                      |                 |                                |                                   |   |                         |  |                                 |                           |  |                                 |

| RoHS Material Composition Declaration  |  |   |   | Declaration Type *                              | Detailed  |  |  |  |  |  |  |
|--|--|---|---|---|---|--|--|--|--|--|--|
| Directive 2015/863/EU amending RoHS<br>Directive 2011/65/EU  | (Pb), Mercury (Hg), Hexavalent Chror   | oHS 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 b), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl thalate (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>y 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  | 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                       | 32.4   | mg              |          | Misc.  | proprietary data |        | 0.1231  | mg              |
|                           |        |                 | Supplier | Silicon (Si)                                       | 7440-21-3        |        | 31.9561 | mg              |
|                           |        |                 | Supplier | Aluminum (Al)                                      | 7429-90-5        |        | 0.3208  | mg              |
| Die Attach                | 2.8    | mg              | Supplier | Bisphenol A_Epichlorohydrin Polymer                | 25068-38-6       |        | 1.05    | mg              |
|                           |        |                 | Supplier | Ethylene Glycol                                    | 107-21-1         |        | 0.028   | mg              |
|                           |        |                 | Supplier | Sulfonium (Thiodi-4,1-phenylene)                   | 89452-37-9       |        | 0.084   | mg              |
|                           |        |                 | Supplier | Modified Silicon Dioxide (SiO2)                    | 67762-90-7       |        | 0.588   | mg              |
|                           |        |                 | Supplier | Formaldehyde Polymer                               | 9003-36-5        |        | 1.05    | mg              |
| Imaging Lens              | 28.48  | mg              | Supplier | Titanium Dioxide (TiO2)                            | 13463-67-7       |        | 1.4989  | mg              |
|                           |        |                 | Supplier | Sodium Monoxide (Na2O)                             | 1313-59-3        |        | 1.4989  | mg              |
|                           |        |                 | Supplier | Zinc Monoxide (ZnO)                                | 1314-13-2        |        | 1.4989  | mg              |
|                           |        |                 | В        | Antimony Trioxide (Sb2O3)                          | 1309-64-4        |        | 0.1501  | mg              |
|                           |        |                 | Supplier | Aluminum Trioxide (Al2O3)                          | 1344-28-1        |        | 1.4989  | mg              |
|                           |        |                 | Supplier | Potassium Monoxide (K2O)                           | 12136-45-7       |        | 1.4989  | mg              |
|                           |        |                 | Supplier | Silica Crystalline (SiO2)                          | 14808-60-7       |        | 20.8354 | mg              |
| Lid Attach                | 1.46   | mg              | Supplier | 2-phenoxy ethyl acrylate                           | 48145-04-6       |        | 0.657   | mg              |
|                           |        |                 | Supplier | Bisphenol A_Epichlorohydrin Polymer                | 25068-38-6       |        | 0.292   | mg              |
|                           |        |                 | Supplier | Epoxy Prepolymer                                   | Proprietary Data |        | 0.1825  | mg              |
|                           |        |                 | Supplier | Acrylate Oligomer                                  | Proprietary Data |        | 0.0073  | mg              |
|                           |        |                 | Supplier | Curative   | Proprietary Data |        | 0.0292  | mg              |
|                           |        |                 | Supplier | Formaldehyde Polymer                               | 9003-36-5        |        | 0.292   | mg              |
| Mold Compound-Black       | 65.6   | mg              |          | Phenolic Resin                                     | proprietary data |        | 9.84    | mg              |
|                           |        |                 | Supplier | Oxirane  | 39817-09-9       |        | 9.84    | mg              |
|                           |        |                 | Supplier | 1,4-Bis(2,3-epoxypropoxy)butane                    | 2425-79-8        |        | 1.968   | mg              |
|                           |        |                 | Supplier | Carbon Black (C)                                   | 1333-86-4        |        | 0.656   | mg              |
|                           |        |                 | Supplier | Fused Silica (SiO2)                                | 60676-86-0       |        | 41.984  | mg              |
|                           |        |                 | Supplier | Silica Crystalline (SiO2)                          | 14808-60-7       |        | 1.312   | mg              |
| Solder Ball               | 29.5   | mg              | Supplier | Silver (Ag)  | 7440-22-4        |        | 0.885   | mg              |
|                           |        |                 | Supplier | Tin (Sn)   | 7440-31-5        |        | 28.4675 | mg              |
|                           |        |                 | Supplier | Copper (Cu)  | 7440-50-8        |        | 0.1475  | mg              |
| Substrate and Solder Mask | 39.48  | mg              | Supplier | Bis(3-ethyl-5-methyl-4-<br>maleimidophenyl)methane | 105391-33-1      |        | 0.4422  | mg              |

|                |      |    | Supplier | Fiber Glass (SiO2)   | 65997-17-3       | 5.1166  | mg |
|----------------|------|----|----------|--|------------------|---------|----|
|                |      |    | Supplier | Zinc (Zn)  | 7440-66-6        | 0.0592  | mg |
|                |      |    | Supplier | Inorganic Filler of Solder Mask_Talc<br>(Mg3Si4O10(OH)2)               | 14807-96-6       | 0.9199  | mg |
|                |      |    | Supplier | Cyanic acid (1-methylethylidene)di-4,1-<br>phenylene ester homopolymer | 25722-66-1       | 0.4422  | mg |
|                |      |    | Supplier | Silica Amorphous (SiO2)  | 7631-86-9        | 0.229   | mg |
|                |      |    | Supplier | Chromium (Cr)  | 7440-47-3        | 0.0039  | mg |
|                |      |    | Supplier | Acetophenone Derivative  | Proprietary Data | 1.3779  | mg |
|                |      |    | Supplier | Carbon Black (C)   | 1333-86-4        | 0.229   | mg |
|                |      |    | Supplier | 2,4-Diethyl-9H-thioxanthen-9-one<br>(DETX)                             | 82799-44-8       | 0.229   | mg |
|                |      |    | Supplier | Aluminum Hydroxide (Al(OH)3)   | 21645-51-2       | 4.7376  | mg |
|                |      |    | В        | Nickel (Ni)  | 7440-02-0        | 0.5567  | mg |
|                |      |    | Supplier | Gold (Au)  | 7440-57-5        | 0.0197  | mg |
|                |      |    | Supplier | Solvent Naphtha (Solvent oil)  | 64742-94-5       | 2.7597  | mg |
|                |      |    | Supplier | Formaldehyde Polymer   | 9003-36-5        | 0.4422  | mg |
|                |      |    | Supplier | Copper (Cu)  | 7440-50-8        | 14.7892 | mg |
|                |      |    | Supplier | Barium Sulfate (BaSO4)   | 7727-43-7        | 7.1261  | mg |
| Wire Bond - Au | 0.28 | mg | Supplier | Gold (Au)  | 7440-57-5        | 0.28    | mg |