| ABBOCIATION CONNECTING<br>ELECTRONICS INDUSTRIES®<br>International and Pan-Ameri | nockburn, Illinois. A  | Il rights reserved untions. | inder both | This docume<br>level parts, t | ent is a declar<br>he declaration                                  | ation of the s                            | substances<br>es all lowe | within the manufact<br>r level materials for | turer listed which the r            | item. Note<br>nanufactur        | : if the item is an as<br>rer has engineering | sembly with lower<br>responsibility. |  |
|--|--|-----------------------------|------------|-------------------------------|--|---|---------------------------|--|-------------------------------------|---------------------------------|---|--------------------------------------|--|
|  | IPC Web Site for Information on IPC-1752 Standard Form Typ<br>http://www.ipc.org/IPC-175x Distribute |                             |            |                               | Declaration Class *<br>Class 6 - RoHS Yes/No, Homogeneous Material |   |                           |  |                                     | ls and Mfg Information          |   |                                      |  |
| Supplier Information   |  |                             |            |                               |  |   |                           |  |                                     |                                 |   |                                      |  |
| Company name* Company unique ID  |  |                             |            | Unique ID Authority           |  |   |                           |  | Response Date*                      |                                 |   |                                      |  |
| nsemi  |  |                             |            |                               |  |   |                           |  | 2023-06                             | 2023-06-08                      |   |                                      |  |
| ontact Name Title - Contact  |  |                             |            | ]                             | Phone - Contact*   |   |                           |  | Email -                             | Email - Contact*                |   |                                      |  |
| Product-Env-Stewards Product Enviro Compliance                                   |  |                             |            |                               | NA   |   |                           |  | Produe                              | Product-Env-Stewards@onsemi.com |   |                                      |  |
| uthorized Representative* Title - Representative                                 |  |                             |            | ]                             | Phone - Representative*  |   |                           |  | Email -                             | Email - Representative*         |   |                                      |  |
| Product-Env-Stewards   | Product Envi   | Product Enviro Compliance   |            |                               | NA   |   |                           |  | Produc                              | Product-Env-Stewards@onsemi.com |   |                                      |  |
| Requester Item Number M  | fr Item Number   | Mfr Item Name               |            |                               | Effective Da   | te Version                                | . 1                       | Manufacturing Site                           |                                     | Weight*                         | UOM   | Unit Type                            |  |
| 74   | VHCU04MX HEX INVERTER  |                             | ξ          | 2023-                         |  |   |                           | TH2  |                                     | 155.905                         | mg  | Each                                 |  |
| Manufacturing Proccess Information   |  |                             |            |                               |  | I   | 1                         |  |                                     |                                 | I   | I                                    |  |
| Terminal Plating / Grid Array Material   | Terminal Base  | Ferminal Base Alloy         |            | L Rating                      | Peak Pr  | Process Body Temperature Max Time at Peak |                           | ak Tempera                                   | Temperature Number of Reflow Cycles |                                 | les   |                                      |  |
| Precious metal (e.g. Ag,Au, NiPdAu) (<br>Sn)                                     | no CU Alloy  | 1                           |            |                               | 260  | 260 C                                     |                           | 30 secon                                     |                                     | conds 3                         |   |                                      |  |
| Comments   |  |                             |            |                               |  |   |                           |  |                                     |                                 |   |                                      |  |
| evel 1 - maximum time at peak temperature dur                                    | ing soldering is 10-3  | 0 seconds                   |            |                               |  |   |                           |  |                                     |                                 |   |                                      |  |
| or more information regarding material compo                                     | sition 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), Diisobutyl 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   | 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                  | 3.63   | mg              | Supplier | Silicon (Si)               | 7440-21-3  |        | 3.63   | mg              |
| Die Attach 0.3       | 0.367  | mg              | Supplier | Silver (Ag)                | 7440-22-4  |        | 0.2881 | mg              |
|                      |        |                 | Supplier | Phenolic Resin-2           | 54208-63-8 |        | 0.0789 | mg              |
| Lead Frame 68.       | 68.71  | mg              | Supplier | Silver (Ag)                | 7440-22-4  |        | 0.015  | mg              |
|                      |        |                 | Supplier | Zinc (Zn)                  | 7440-66-6  |        | 0.086  | mg              |
|                      |        |                 | Supplier | Iron (Fe)                  | 7439-89-6  |        | 1.614  | mg              |
|                      |        |                 | Supplier | Copper (Cu)                | 7440-50-8  |        | 66.939 | mg              |
|                      |        |                 | Supplier | Phosphorus (P)             | 7723-14-0  |        | 0.056  | mg              |
| Mold Compound-Black  | 81.974 | mg              | Supplier | Ortho Cresol Novolac Resin | 29690-82-2 |        | 16.395 | mg              |
|                      |        |                 | Supplier | Carbon Black (C)           | 1333-86-4  |        | 0.82   | mg              |
|                      |        |                 | Supplier | Fused Silica (SiO2)        | 60676-86-0 |        | 64.759 | mg              |
| Plating              | 0.944  | mg              | Supplier | Palladium (Pd)             | 7440-05-3  |        | 0.034  | mg              |
|                      |        |                 | В        | Nickel (Ni)                | 7440-02-0  |        | 0.891  | mg              |
|                      |        |                 | Supplier | Gold (Au)                  | 7440-57-5  |        | 0.019  | mg              |
| Wire Bond - Au       | 0.28   | mg              | Supplier | Gold (Au)                  | 7440-57-5  |        | 0.28   | 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 (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).