| ASSOCIATION CONNECTING<br>ELECTRONICS INDUSTRIES® international and Pa | PC, Bannockt                     | ourn, Illinois. A     | Il rights reserved untions. | nder both               | This docum<br>level parts, t  | ent is a declaration e  | on of the su | bstances<br>all lower | within the manufactur<br>r level materials for w | rer listed i<br>hich the r      | tem. Note: i<br>nanufacturer | f the item is an as<br>has engineering | ssembly with lower responsibility. |
|--|----------------------------------|-----------------------|-----------------------------|-------------------------|---|-------------------------|--------------|-----------------------|--|---------------------------------|------------------------------|--|------------------------------------|
|  |                                  |                       |                             | Form Type<br>Distribute | * Declaration Class *<br>Class 6 - RoHS Yes/No, Homogeneous Materia |                         |              |                       | als and M  | als and Mfg Information         |                              |  |                                    |
| Supplier Information   |                                  |                       |                             |                         |   |                         |              |                       |  |                                 |                              |  |                                    |
| Company name*  | Company unique ID                |                       |                             | Unique ID Authority     |   |                         |              |                       | Response Date*                                   |                                 |                              |  |                                    |
| onsemi   |                                  |                       |                             |                         |   |                         |              |                       |  | 2023-06-08                      |                              |  |                                    |
| Contact Name Title - Contact   |                                  |                       | ct                          |                         |   | Phone - Contact*        |              |                       |  | Email - Contact*                |                              |  |                                    |
| Product-Env-Stewards Product   |                                  |                       | roduct Enviro Compliance    |                         |   | NA                      |              |                       |  | Product-Env-Stewards@onsemi.com |                              |  |                                    |
| Authorized Representative* Title - I                                   |                                  |                       | tle - Representative        |                         |   | Phone - Representative* |              |                       | Email - Representative*                          |                                 |                              |  |                                    |
| Product-Env-Stewards Pro   |                                  |                       | Product Enviro Compliance   |                         |   | NA                      |              |                       |  | Product-Env-Stewards@onsemi.com |                              |  |                                    |
| Requester Item Number  | aester Item Number Mfr Item Numb |                       | umber Mfr Item Name         |                         |   | Effective Date          | Version      | Ν                     | Manufacturing Site                               |                                 | Weight*                      | UOM                                    | Unit Type                          |
|  | MC74A0                           | MC74AC04DR2G LOG CMOS |                             | NVERTER HEX             |   | 2023-06-08              |              | F                     | PH1  |                                 | 122.05                       | mg                                     | Each                               |
| Manufacturing Proccess Informa   | tion                             |                       | ·                           |                         |   |                         |              | ŀ                     |  |                                 |                              |  |                                    |
| Terminal Plating / Grid Array Material Terminal Base Alloy             |                                  | Alloy                 | J-STD-020 MSL               | Rating                  | Peak Proc   | ess Body Te             | emperatur    | e Max Time at Peak    | Tempera  | ture Numb                       | er of Reflow Cy              | cles                                   |                                    |
| Matte Tin (Sn) - annealed CU Alloy                                     |                                  |                       |                             | 1                       |   | 260                     |              | С                     | 30   | secor                           | nds 3                        |  |                                    |
| Comments   |                                  |                       |                             |                         |   |                         |              |                       |  |                                 |                              |  |                                    |
| level 1 - maximum time at peak temperat                                | ure during so                    | 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  | 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 (DBP), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP). |  |   |   |   |  |  |  |  |  |  |
| 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.

| sigma range of distribution unless otherwise noted). |        |                 |          |                     |                  |        |         |                 |  |  |
|--|--------|-----------------|----------|---------------------|------------------|--------|---------|-----------------|--|--|
| Homogeneous Material                                 | Weight | Unit of Measure | Level    | Substance           | CAS              | Exempt | Weight  | Unit of Measure |  |  |
| Die  | 0.98   | mg              | Supplier | Silicon (Si)        | 7440-21-3        |        | 0.98    | mg              |  |  |
| Die Attach   | 4.44   | mg              | Supplier | Silver (Ag)         | 7440-22-4        |        | 3.33    | mg              |  |  |
|  |        |                 | Supplier | Epoxy resins        | 129915-35-1      |        | 1.11    | mg              |  |  |
| Lead Frame   | 69.62  | mg              | Supplier | Silver (Ag)         | 7440-22-4        |        | 0.7658  | mg              |  |  |
|  |        |                 | Supplier | Zinc (Zn)           | 7440-66-6        |        | 0.1392  | mg              |  |  |
|  |        |                 | Supplier | Iron (Fe)           | 7439-89-6        |        | 1.8101  | mg              |  |  |
|  |        |                 | Supplier | Copper (Cu)         | 7440-50-8        |        | 66.9048 | mg              |  |  |
| Mold Compound-Black                                  | 43.43  | mg              |          | Epoxy Phenol Resin  | proprietary data |        | 4.5601  | mg              |  |  |
|  |        |                 | Supplier | Fused Silica (SiO2) | 60676-86-0       |        | 38.8699 | mg              |  |  |
| Plating  | 3.27   | mg              | Supplier | Tin (Sn)            | 7440-31-5        |        | 3.27    | mg              |  |  |
| Wire Bond - Au                                       | 0.31   | mg              | Supplier | Gold (Au)           | 7440-57-5        |        | 0.31    | 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)