| ABSOCIATION CONNECTING<br>ELECTRONICS INDUSTRIES®<br>international and P | IPC, Bannock   | burn, Illinois. A         | ll rights reserved u ntions. | nder both              | This docume<br>level parts, t                                    | ent is a decla<br>the declaratio | ration on encor | of the substat<br>mpasses all l  | nces wit<br>ower le   | hin the manufac<br>vel materials for | turer listed i<br>which the r   | tem. N<br>nanufa | lote: if th<br>cturer ha | e item is an as<br>s engineering | sembly with low 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 Mate |                                  |                 |                                  |                       | erials and M                         | ials and Mfg Information        |                  |                          |                                  |                                 |  |
| Supplier Information   |  |                           |                              |                        |  |                                  |                 |                                  |                       |                                      |                                 |                  |                          |                                  |                                 |  |
| Company name*  |  |                           | Company unique ID            |                        |  | Unique ID Authority              |                 |                                  |                       |                                      | Respon                          | Response Date*   |                          |                                  |                                 |  |
| onsemi   |  |                           |                              |                        |  |                                  |                 |                                  |                       | 2023-06                              | 2023-06-08                      |                  |                          |                                  |                                 |  |
| Contact Name   | Title - Contac   | - Contact                 |                              |                        | Phone - Contact*   |                                  |                 |                                  |                       | Email -                              | Email - Contact*                |                  |                          |                                  |                                 |  |
| Product-Env-Stewards   | Product Envi   | Product Enviro Compliance |                              |                        | NA   |                                  |                 |                                  |                       | Produc                               | Product-Env-Stewards@onsemi.com |                  |                          |                                  |                                 |  |
| Authorized Representative* Title   |  |                           | Title - Representative       |                        |  | Phone - Representative*          |                 |                                  |                       | Email -                              | Email - Representative*         |                  |                          |                                  |                                 |  |
| Product-Env-Stewards   | Product Enviro Compliance  |                           |                              |                        | NA   |                                  |                 |                                  | Produc                | Product-Env-Stewards@onsemi.com      |                                 |                  |                          |                                  |                                 |  |
| Requester Item Number  | Item Number Mfr Item Num   |                           | Number Mfr Item Name         |                        |  | Effective D                      | ate V           | Version                          | on Manufacturing Site |                                      |                                 | Weight*          |                          | UOM                              | Unit Type                       |  |
|  | MC74A  | MC74ACT02DTR2G LOG        |                              | LOG CMOS GATE NOR QUAD |  | 2023-06-08                       |                 |                                  |                       | PH1                                  |                                 | 45.24            |                          | mg                               | Each                            |  |
| Ianufacturing Proccess Inform  | ation  |                           |                              |                        |  |                                  |                 |                                  |                       |                                      | 1                               |                  |                          | 1                                | I                               |  |
| Terminal Plating / Grid Array M  | /aterial '   | Ferminal Base A           | Alloy J                      | J-STD-020 MSL Rat      |  | Peak Process B                   |                 | Body Temperature Max Time at Pea |                       | ak Tempera                           | Temperature Numbe               |                  | of Reflow Cyc            | eles                             |                                 |  |
| Precious metal (e.g. Ag,Au, NiPdAu) (no<br>Sn)                           |  | CU Alloy 1                |                              | l                      |  | 260                              |                 | С                                |                       | 30                                   |                                 | ids :            | 3                        |                                  |                                 |  |
| comments   |  |                           |                              |                        |  |                                  |                 |                                  |                       |                                      |                                 |                  |                          |                                  |                                 |  |
| vel 1 - maximum time at peak tempera                                     | ture during so   | Idering is 10-3           | 0 seconds                    |                        |  |                                  |                 |                                  |                       |                                      |                                 |                  |                          |                                  |                                 |  |
| or more information regarding materia                                    | al 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), 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  | 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                  | 2.0    | mg              | Supplier | Silicon (Si)               | 7440-21-3        |        | 2       | mg              |
| Die Attach           | 1.44   | mg              |          | Epoxy resin                | proprietary data |        | 0.144   | mg              |
|                      |        |                 | Supplier | Ethylene dimethacrylate    | 97-90-5          |        | 0.072   | mg              |
|                      |        |                 | Supplier | Silver (Ag)                | 7440-22-4        |        | 1.152   | mg              |
|                      |        |                 | Supplier | Formaldehyde Polymer       | 9003-36-5        |        | 0.072   | mg              |
| Lead Frame           | 22.54  | mg              | Supplier | Iron (Fe)                  | 7439-89-6        |        | 0.4283  | mg              |
|                      |        |                 | Supplier | Copper (Cu)                | 7440-50-8        |        | 22.1117 | mg              |
| Mold Compound-Black  | 19.0   | mg              |          | Epoxy resin                | proprietary data |        | 0.95    | mg              |
|                      |        |                 | Supplier | Phenolic Resin             | Proprietary Data |        | 0.38    | mg              |
|                      |        |                 | Supplier | Ortho Cresol Novolac Resin | 29690-82-2       |        | 0.475   | mg              |
|                      |        |                 | Supplier | Carbon Black (C)           | 1333-86-4        |        | 0.095   | mg              |
|                      |        |                 | Supplier | Fused Silica (SiO2)        | 60676-86-0       |        | 17.1    | mg              |
| Plating              | 0.04   | mg              | Supplier | Palladium (Pd)             | 7440-05-3        |        | 0.003   | mg              |
|                      |        |                 | В        | Nickel (Ni)                | 7440-02-0        |        | 0.0364  | mg              |
|                      |        |                 | Supplier | Gold (Au)                  | 7440-57-5        |        | 0.0006  | mg              |
| Wire Bond - Au       | 0.22   | mg              | Supplier | Gold (Au)                  | 7440-57-5        |        | 0.22    | 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).