| © Copyrig                            | l Composition De<br>ht 2005. IPC, Bannock<br>al and Pan-American c | burn, Illinois. A | Il rights reserved untions. | under both               | This docume<br>level parts, t                                       | ent is a declar<br>he declaration | ation of the ation | ne substance<br>asses all low | s within the manual<br>er level materials | facturer liste<br>for which th         | d item. Note:<br>e manufactur   | if the item is an a<br>er has engineering | ssembly with lower responsibility. |  |
|--------------------------------------|--|-------------------|-----------------------------|--------------------------|---|-----------------------------------|--|-------------------------------|---|--|---------------------------------|---|------------------------------------|--|
|                                      |  |                   |                             | Form Type<br>Distribute  | e * Declaration Class *<br>Class 6 - RoHS Yes/No, Homogeneous Mater |                                   |  |                               |   | laterials and                          | ials and Mfg Information        |   |                                    |  |
| Supplier Information                 |  |                   |                             |                          |   |                                   |  |                               |   |  |                                 |   |                                    |  |
| Company name* C                      |  |                   | Company unique ID           |                          |   | Unique ID Authority               |  |                               |   |  | Response Date*                  |   |                                    |  |
| onsemi                               |  |                   |                             |                          |   |                                   |  |                               | 2024-                                     | 2024-05-18                             |                                 |   |                                    |  |
| Contact Name Titl                    |  |                   | Title - Contact             |                          |   | Phone - Contact*                  |  |                               |   | Emai                                   | Email - Contact*                |   |                                    |  |
| Product-Env-Stewards Prod            |  |                   | Product Enviro Compliance   |                          |   | NA                                |  |                               |   | Prod                                   | Product-Env-Stewards@onsemi.com |   |                                    |  |
| Authorized Representative* Title - H |  |                   | tle - Representative        |                          |   | Phone - Representative*           |  |                               | Emai                                      | Email - Representative*                |                                 |   |                                    |  |
| Product-Env-Stewards Pro             |  |                   | Product Enviro Compliance   |                          |   | NA                                |  |                               |   | Prod                                   | Product-Env-Stewards@onsemi.com |   |                                    |  |
| Requester Item Numbe                 | Requester Item Number Mfr Item                                     |                   | n Number Mfr Item Name      |                          |   | Effective Da                      | te Vers  | ion                           | Manufacturing Site                        |  | Weight*                         | UOM                                       | Unit Type                          |  |
|                                      | MCH66  | MCH6662-TL-W NCH  |                             | NCH+NCH 1.8 DRIVE SERIES |   | 2024-05-18                        | 24-05-18 CNG   |                               |   | 7.9                                    | mg                              | Each                                      |                                    |  |
| Manufacturing Proccess I             | nformation   |                   | ·                           |                          |   | •                                 |  |                               |   |  | ·                               |   |                                    |  |
| Terminal Plating / Grid              | Terminal Plating / Grid Array Material Terminal B                  |                   | Alloy J-STD-020 MSL Rating  |                          | L Rating  | Peak Process Body Temperature Max |  | re Max Time at                | Peak Tempe                                | ak Temperature Number of Reflow Cycles |                                 | cles                                      |                                    |  |
| contains Bi CU Alloy                 |  |                   |                             | 1                        |   | 260                               |  | С                             | 30  | sec                                    | conds 3                         |   |                                    |  |
| Comments                             |  |                   |                             |                          |   |                                   |  |                               |   |  |                                 |   |                                    |  |
| level 1 - maximum time at peak t     | emperature during so   | Idering 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), 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 co<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                  | 0.1    | mg              | Supplier | Silicon (Si)                 | 7440-21-3        |        | 0.1    | mg              |
| Lead Frame           | 3.2    | mg              | Supplier | Silver (Ag)                  | 7440-22-4        |        | 0.0981 | mg              |
|                      |        |                 | Supplier | Zinc (Zn)                    | 7440-66-6        |        | 0.0062 | mg              |
|                      |        |                 | В        | Nickel (Ni)                  | 7440-02-0        |        | 0.0165 | mg              |
|                      |        |                 | Supplier | Iron (Fe)                    | 7439-89-6        |        | 0.0802 | mg              |
|                      |        |                 | Supplier | Copper (Cu)                  | 7440-50-8        |        | 2.9943 | mg              |
|                      |        |                 | Supplier | Phosphorus (P)               | 7723-14-0        |        | 0.0046 | mg              |
| Mold Compound-Black  | 4.45   | mg              |          | Epoxy Phenol Resin           | proprietary data |        | 0.0356 | mg              |
|                      |        |                 | Supplier | Carbon Black (C)             | 1333-86-4        |        | 0.0445 | mg              |
|                      |        |                 | Supplier | Aluminum Hydroxide (Al(OH)3) | 21645-51-2       |        | 0.267  | mg              |
|                      |        |                 | Supplier | Fused Silica (SiO2)          | 60676-86-0       |        | 3.56   | mg              |
|                      |        |                 | Supplier | Ortho-Cresol Novolac Resin   | 29690-82-2       |        | 0.534  | mg              |
|                      |        |                 | Supplier | Silica Crystalline (SiO2)    | 14808-60-7       |        | 0.0089 | mg              |
| Plating              | 0.11   | mg              | В        | Bismuth (Bi)                 | 7440-69-9        |        | 0.0007 | mg              |
|                      |        |                 | Supplier | Tin (Sn)                     | 7440-31-5        |        | 0.1093 | mg              |
| Wire Bond - Cu       | 0.04   | mg              | Supplier | Copper (Cu)                  | 7440-50-8        |        | 0.04   | 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).