| ASSOCIATION CONNECTING<br>ASSOCIATION CONNECTING<br>INDUSTRIES<br>International and Pan-A | , Bannockb                                                                                      | urn, Illinois. A       | ll rights reserved utions. | under both           | This docum<br>level parts, t                                       | ent is a declara    | tion of the s<br>encompasse          | substances<br>es all lowe | within the man<br>er level materials | ufacturer lis<br>s for which           | sted item. Note: if<br>the manufacturer | f the item is an a<br>has engineering | ssembly with low responsibility. |  |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------|----------------------------|----------------------|--------------------------------------------------------------------|---------------------|--------------------------------------|---------------------------|--------------------------------------|----------------------------------------|-----------------------------------------|---------------------------------------|----------------------------------|--|
|                                                                                           | IPC Web Site for Information on IPC-1752 Standard Form 7<br>http://www.ipc.org/IPC-175x Distrib |                        |                            |                      | * Declaration Class *<br>Class 6 - RoHS Yes/No, Homogeneous Materi |                     |                                      |                           | Materials a                          | als and Mfg Information                |                                         |                                       |                                  |  |
| Supplier Information                                                                      |                                                                                                 |                        |                            |                      |                                                                    |                     |                                      |                           |                                      |                                        |                                         |                                       |                                  |  |
| Company name* Compan                                                                      |                                                                                                 |                        | npany unique ID            |                      |                                                                    | Unique ID Authority |                                      |                           |                                      | Re                                     | Response Date*                          |                                       |                                  |  |
| semi                                                                                      |                                                                                                 |                        |                            |                      |                                                                    |                     |                                      | 202                       | 2024-05-06                           |                                        |                                         |                                       |                                  |  |
| ontact Name                                                                               | t Name Title - Contact                                                                          |                        |                            |                      | Phone - Cont                                                       | one - Contact*      |                                      |                           | En                                   | Email - Contact*                       |                                         |                                       |                                  |  |
| duct-Env-Stewards Product Enviro                                                          |                                                                                                 |                        | iro Compliance             |                      |                                                                    | NA                  |                                      |                           |                                      | Pr                                     | Product-Env-Stewards@onsemi.com         |                                       |                                  |  |
| thorized Representative* Title - Represen                                                 |                                                                                                 |                        | entative                   |                      | Phone - Representative*                                            |                     |                                      | En                        | Email - Representative*              |                                        |                                         |                                       |                                  |  |
| Product-Env-Stewards Product En                                                           |                                                                                                 |                        | ct Enviro Compliance       |                      |                                                                    | NA                  |                                      |                           |                                      | Pr                                     | Product-Env-Stewards@onsemi.com         |                                       |                                  |  |
| Requester Item Number                                                                     | Mfr Item Number                                                                                 |                        | Mfr Item Name              |                      |                                                                    | Effective Dat       | e Version                            |                           | Manufacturing Site                   |                                        | Weight*                                 | UOM                                   | Unit Type                        |  |
|                                                                                           | NVATS4                                                                                          | VATS4A103PZT4G PCH 4.5 |                            | CH 4.5V DRIVE SERIES |                                                                    | 2024-05-06          |                                      |                           | CNG                                  |                                        | 263.14                                  | mg                                    | Each                             |  |
| Ianufacturing Proccess Information                                                        | n                                                                                               |                        |                            |                      |                                                                    |                     |                                      |                           |                                      |                                        |                                         |                                       | ·                                |  |
| Terminal Plating / Grid Array Mate                                                        | Array Material Terminal Base                                                                    |                        | Alloy                      | J-STD-020 MSL Rating |                                                                    | Peak Pro            | Process Body Temperature Max Time at |                           | t Peak Terr                          | ak Temperature Number of Reflow Cycles |                                         | cles                                  |                                  |  |
| contains Bi CU Alloy                                                                      |                                                                                                 |                        | 1                          |                      | 260                                                                |                     | С                                    | 30                        | :                                    | seconds 3                              |                                         |                                       |                                  |  |
| omments                                                                                   |                                                                                                 |                        |                            |                      |                                                                    |                     |                                      |                           |                                      |                                        |                                         |                                       |                                  |  |
| vel 1 - maximum time at peak temperature                                                  | during sol                                                                                      | dering is 10-3         | 0 seconds                  |                      |                                                                    |                     |                                      |                           |                                      |                                        |                                         |                                       |                                  |  |
| or more information regarding material co                                                 | mposition                                                                                       | 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 Chro                                                                                                                                                                                                                                                                                                                                      | 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, polybromina<br>contains a RoHS restricted substance inexces<br>encompass all such components. Supplier cer<br>as of the date that Supplier completes this for<br>Company acknowledges that Supplier may h<br>independently verified information provided<br>certification in this paragraph. If the Company | ated biphenyls and/or polybrominated dip<br>s of an applicable quantity limit, please in<br>iffies that it gathered the information it pr<br>m.Supplier acknowledges that Company<br>ave relied on informationprovided by oth<br>by others, Supplier agrees that, at a minir<br>and the Supplier enter into a written agr<br>esource of the Supplier's liability and the | henyl ethers (each a "RoHS restricted substa<br>ndicate below which, if any, RoHS exemption<br>ovides in this form using appropriate methoo<br>will rely on this certification in determining<br>ers in completing this form, and that Supplie<br>num, itssuppliers have provided certification<br>eement with respect to the identified part, the<br>Company's remedies for issues that arise reg                                | nce") in exco<br>n you believe<br>ls to ensure i<br>the compliar<br>r may not ha<br>s regarding t<br>terms and co | e may apply. If the part is an assembly with low<br>s accuracy and that such information is true an<br>ce of its products with European Union member<br>de independently verified such information. Ho<br>neir contributions to the part, and those certifica | ove. If a homogeneous material within the part<br>er level components, the declaration shall<br>d correct to the best of its knowledge and belief,<br>er state laws that implement the RoHS Directive.<br>wever, in situations where Supplier has not<br>ations are at least as comprehensive as the<br>anty rights and/or remedies provided as part of |  |  |  |  |  |  |  |
| RoHS Declaration * 4 - Item(                                                                                                                                                                                                                                                                                                             | s) does not contain RoHS restricted subst                                                                                                                                                                                                                                                                                                                                | ances per the definition above except for sele                                                                                                                                                                                                                                                                                                                                                                                    | ected exempt                                                                                                      | ions Supplier Acceptance                                                                                                                                                                                                                                      | * Accepted                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |
| Exemption: 7a: Lead in high melting temp                                                                                                                                                                                                                                                                                                 | erature type solders (i.e. lead based sol                                                                                                                                                                                                                                                                                                                                | der alloys containing 85% by weight or m                                                                                                                                                                                                                                                                                                                                                                                          | ore lead).                                                                                                        |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |
| Exemption List Version                                                                                                                                                                                                                                                                                                                   | EL-2011/534/EU                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                   |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |
| Declaration Signature                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                   |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |
| Instructions: Complete all of the required<br>Requester) and click on Submit Form to h                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                   | e drop-dowi                                                                                                       | a. This will display the signature area. Digita                                                                                                                                                                                                               | lly sign the declaration (if required by the                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |
| Supplier Digital Signature                                                                                                                                                                                                                                                                                                               | astislav 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.

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

| Homogeneous Material | Weight | Unit of Measure | Level    | Substance                 | CAS              | Exempt | Weight   | Unit of Measure |
|----------------------|--------|-----------------|----------|---------------------------|------------------|--------|----------|-----------------|
| Die                  | 2.52   | mg              | Supplier | Silicon (Si)              | 7440-21-3        |        | 2.52     | mg              |
| Die Attach           | 3.37   | mg              | Supplier | Silver (Ag)               | 7440-22-4        |        | 0.0674   | mg              |
|                      |        |                 | А        | Lead (Pb)                 | 7439-92-1        | 7a     | 3.1341   | mg              |
|                      |        |                 | Supplier | Tin (Sn)                  | 7440-31-5        |        | 0.1685   | mg              |
| Lead Frame           | 148.04 | mg              | Supplier | Tin (Sn)                  | 7440-31-5        |        | 0.2221   | mg              |
|                      |        |                 | Supplier | Copper (Cu)               | 7440-50-8        |        | 147.8179 | mg              |
| Mold Compound-Black  | 105.9  | mg              |          | Phenolic Resin            | proprietary data |        | 2.6475   | mg              |
|                      |        |                 | Supplier | Epoxy Phenol Resin        | Proprietary Data |        | 8.7368   | mg              |
|                      |        |                 | Supplier | Carbon Black (C)          | 1333-86-4        |        | 0.5295   | mg              |
|                      |        |                 | Supplier | Fused Silica (SiO2)       | 60676-86-0       |        | 93.4567  | mg              |
|                      |        |                 | Supplier | Silica Crystalline (SiO2) | 14808-60-7       |        | 0.5295   | mg              |
| Plating              | 3.31   | mg              | В        | Bismuth (Bi)              | 7440-69-9        |        | 0.0199   | mg              |
|                      |        |                 | Supplier | Tin (Sn)                  | 7440-31-5        |        | 3.2901   | mg              |