| ASSOCIATION CONNECTING<br>ASSOCIATION CONNECTING<br>ELECTRONICS INDUSTRIES*<br>International and Pan-American co | ourn. Illinois. All rights reserved    | l under both        | is document<br>el parts, the  | t is a declaration<br>declaration end       | n of the substance<br>compasses all low | es within the manufacture<br>ver level materials for wh | er listed iter<br>hich the mar        | m. Note: if t<br>nufacturer h   | he item is an as<br>as engineering    | sembly with lower<br>responsibility. |  |
|--|--|---------------------|---|---|---|---|---------------------------------------|---------------------------------|---------------------------------------|--------------------------------------|--|
| 21.1 IPC Web Site for Information on IPC-1752 Standard Form Type Distribute                                      |  |                     | * Declaration Class *<br>Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information |   |   |   |                                       |                                 |                                       |                                      |  |
| Supplier Information   |  |                     |   |   |   |   |                                       |                                 |                                       |                                      |  |
| Company name*  |  | Unique ID Authority |   |   | Response Date*                          |   |                                       |                                 |                                       |                                      |  |
| onsemi   | mi                                     |                     |   |   |   |   |                                       | 2024-04-25                      |                                       |                                      |  |
| Contact Name   | Title - Contact                        |                     | Ph  | Phone - Contact*                            |   |   | Email - Contact*                      |                                 |                                       |                                      |  |
| Product-Env-Stewards   | Cnv-Stewards Product Enviro Compliance |                     |   | NA  |   |   | Product-Env-Stewards@onsemi.com       |                                 |                                       |                                      |  |
| uthorized Representative* Title - Representative   |  |                     | Phone - Representative*   |   |   | Email - Representative*                                 |                                       |                                 |                                       |                                      |  |
| Product-Env-Stewards   | Product Enviro Compliance              | o Compliance NA     |   |   | 1                                       |   |                                       | Product-Env-Stewards@onsemi.com |                                       |                                      |  |
| Requester Item Number Mfr Item   | Number Mfr Item Name                   | Mfr Item Name       |   | iffective Date                              | Version                                 | Manufacturing Site                                      |                                       | eight*                          | UOM                                   | Unit Type                            |  |
| NCP139   | 2BDR2G HV HALF-BR                      | DGE DRIVER          | 20  | 024-04-25                                   |   | PH1   | 72                                    | .0                              | mg                                    | Each                                 |  |
| Manufacturing Proccess Information   |  |                     |   |   |   |   |                                       |                                 | · · · · · · · · · · · · · · · · · · · |                                      |  |
| Terminal Plating / Grid Array Material   | Terminal Base Alloy J-STD-020 M        |                     | ating   | Peak Process Body Temperature Max Time at P |   | ture Max Time at Peak                                   | k Temperature Number of Reflow Cycles |                                 |                                       |                                      |  |
| Matte Tin (Sn) - annealed CU Alloy 1   |  | 1                   |   | 260   | С                                       | 30  | seconds                               | 3                               |                                       |                                      |  |
| Comments   |  |                     |   |   |   |   |                                       |                                 |                                       |                                      |  |
| evel 1 - maximum time at peak temperature during so  | ldering is 10-30 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  | (Pb), Mercury (Hg), Hexavalent Chror   | oHS 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 hthalate (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 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.

|                      | cable [E] enter the weigh |                 |          | ance category (JIG or Requester) or ento<br>[F] Optionally enter the positive (+) and |                  |        |         |                 |
|----------------------|---------------------------|-----------------|----------|---|------------------|--------|---------|-----------------|
| Homogeneous Material | Weight                    | Unit of Measure | Level    | Substance   | CAS              | Exempt | Weight  | Unit of Measure |
| Die                  | 1.33                      | mg              | Supplier | Silicon (Si)  | 7440-21-3        |        | 1.33    | mg              |
| Die Attach           | 2.4                       | mg              | Supplier | Silver (Ag)   | 7440-22-4        |        | 1.8     | mg              |
|                      |                           |                 | Supplier | Epoxy resins  | 129915-35-1      |        | 0.6     | mg              |
| Lead Frame 37.       | 37.61                     | mg              | Supplier | Silver (Ag)   | 7440-22-4        |        | 0.7898  | mg              |
|                      |                           |                 | Supplier | Zinc (Zn)   | 7440-66-6        |        | 0.0752  | mg              |
|                      |                           |                 | Supplier | Iron (Fe)   | 7439-89-6        |        | 0.9403  | mg              |
|                      |                           |                 | Supplier | Copper (Cu)   | 7440-50-8        |        | 35.8047 | mg              |
| Mold Compound-Black  | 28.58                     | mg              |          | Epoxy Phenol Resin  | proprietary data |        | 3.0009  | mg              |
|                      |                           |                 | Supplier | Fused Silica (SiO2)   | 60676-86-0       |        | 25.5791 | mg              |
| Plating              | 1.89                      | mg              | Supplier | Tin (Sn)  | 7440-31-5        |        | 1.89    | mg              |
| Wire Bond - Au       | 0.19                      | mg              | Supplier | Gold (Au)   | 7440-57-5        |        | 0.19    | mg              |