| | Convecting © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions. | | | | This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lo level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility. | | | | | | | | | | |
|--|---|------------------|---|--------------------|--|---|---|----------|--------------|-------------------------|---------------------------------|----------|-----------|-------------------|------|
| IPC Web Site for Information on http://www.ipc.org/IPC-175x | | | IPC-1752 Standard Form Type * Distribute | | | * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materia | | | | als and Mfg Information | | | | | |
| Supplier | r Information | | | | | | | | | | | | | | |
| ompany | name* | | Company uni | que ID | | ι | Unique ID Au | thority | | | | Respons | e Date* | | |
| nsemi | | | | | | | | | | | | 2024-05- | 09 | | |
| Contact N | ame | | Title - Contac | ct | | 1 | Phone - Cont | act* | | | | Email - | Contact* | | |
| Product-Env-Stewards | | | Product Enviro Compliance | | | | NA | | | | Product-Env-Stewards@onsemi.com | | | | |
| Authorized Representative* | | | Title - Representative | | | 1 | Phone - Representative* | | | | Email - Representative* | | | | |
| Product-Env-Stewards | | | Product Enviro Compliance | | | | NA | | | | Product-Env-Stewards@onsemi.com | | | | |
| | Requester Item Number | Mfr Item Number | | mber Mfr Item Name | | | Effective Date Version Manufacturing Si | | ring Site | N N | Veight* | UOM | Unit Type | | |
| | | AR03300 A0-CR | CM1C21SHK | 3 MP 1/3 CIS | | | 2024-05-09 | | | CP2 | | 5 | 7.72 | mg | Each |
| Ianufa | cturing Proccess Information | on | | | | | | | | | | | | | |
| | Terminal Plating / Grid Array Mate | erial To | erminal Base A | Alloy | J-STD-020 MSL | Rating | Peak Pro | ocess Bo | dy Temperatu | re Max 7 | ime at Peak | Temperat | ire Nur | nber of Reflow Cy | cles |
| | SnAgCu | С | U Alloy | 4 | 5 | | 260 | | С | 30 | | secon | is 3 | | |
| omments | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| o r more i | information regarding material co | omposition p | please refer to | page 3 | | | | | | | | | | | |

| RoHS Material Composition Declaration | | | | Declaration Type * | Detailed |
|--|--|--|---|---|---|
| Directive 2015/863/EU amending RoHS Directive 2011/65/EU | | nium (Cr6+), Polybro | ominated Biphenyls (PBB), Polybron | dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth | |
| cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a | ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe v others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the | henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies | RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and cc for issues that arise regarding inform | ce of its products with European Union membe | ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the 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 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 | 9.53 | mg | | Misc. | proprietary data | | 0.0362 | mg |
| | | | Supplier | Silicon (Si) | 7440-21-3 | | 9.3994 | mg |
| | | | Supplier | Aluminum (Al) | 7429-90-5 | | 0.0943 | mg |
| Die Attach | 0.91 | mg | Supplier | Bisphenol A_Epichlorohydrin Polymer | 25068-38-6 | | 0.3413 | mg |
| | | | Supplier | Ethylene Glycol | 107-21-1 | | 0.0091 | mg |
| | | | Supplier | Sulfonium (Thiodi-4,1-phenylene) | 89452-37-9 | | 0.0273 | mg |
| | | | Supplier | Modified Silicon Dioxide (SiO2) | 67762-90-7 | | 0.1911 | mg |
| | | | Supplier | Formaldehyde Polymer | 9003-36-5 | | 0.3413 | mg |
| Electrode | 0.97 | mg | Supplier | Titanium (Ti) | 7440-32-6 | | 0.0006 | mg |
| | | | В | Nickel (Ni) | 7440-02-0 | | 0.5775 | mg |
| | | | Supplier | Gold (Au) | 7440-57-5 | | 0.0233 | mg |
| | | | Supplier | Copper (Cu) | 7440-50-8 | | 0.0146 | mg |
| | | | Supplier | Aluminum (Al) | 7429-90-5 | | 0.354 | mg |
| Glass Lid /Cap | 40.57 | mg | Supplier | Boron Trioxide (B2O3) | 1303-86-2 | | 5.7609 | mg |
| | | | Supplier | Silica Amorphous (SiO2) | 7631-86-9 | | 20.285 | mg |
| | | | Supplier | Barium Monoxide (BaO) | 1304-28-5 | | 9.7368 | mg |
| | | | Supplier | Aluminum Trioxide (Al2O3) | 1344-28-1 | | 4.4627 | mg |
| | | | Supplier | Calcium Monoxide (CaO) | 1305-78-8 | | 0.0406 | mg |
| | | | В | Arsenic Trioxide (As2O3) | 1327-53-3 | | 0.284 | mg |
| Lid Attach | 0.01 | mg | | Photoinitiator | proprietary data | | 0.0025 | mg |
| | | | Supplier | Epoxy Prepolymer | Proprietary Data | | 0.0075 | mg |
| Passivation | 0.91 | mg | Supplier | Pentaerythritol triacrylate | 3524-68-3 | | 0.1365 | mg |
| | | | Supplier | 2-(2-methoxypropoxy)propanol | 34590-94-8 | | 0.091 | mg |
| | | | Supplier | Epoxy Phenol Novolak Resin | 28064-14-4 | | 0.091 | mg |
| | | | Supplier | 9-Phenylacridine | 602-56-2 | | 0.0455 | mg |
| | | | Supplier | Bisphenol A_Epichlorohydrin Polymer | 25068-38-6 | | 0.546 | mg |
| older Ball | 0.71 | mg | Supplier | Silver (Ag) | 7440-22-4 | | 0.0543 | mg |
| | | | Supplier | Tin (Sn) | 7440-31-5 | | 0.6397 | mg |
| | | | Supplier | Copper (Cu) | 7440-50-8 | | 0.016 | mg |
| bubstrate and Solder Mask | 4.11 | mg | Supplier | Silica crystalline | 14808-60-7, 14464- 46-1 | | 0.411 | mg |
| | | | Supplier | Cured Resin of Solder Mask | Proprietary Data | | 1.9523 | mg |

| Supplier Bismaleimide Triazine resin Proprietary Data 1.7468 mg | | | | Supplier | Bismaleimide Triazine resin | Proprietary Data | | 1.7468 | mg |
|---|--|--|--|----------|-----------------------------|------------------|--|--------|----|
|---|--|--|--|----------|-----------------------------|------------------|--|--------|----|