| © Copyright 20 | mposition De 05. IPC, Bannockt 1 Pan-American co | ourn, Illinois. A | ll rights reserved u ntions. | nder both | This docume level parts, t | ent is a declaration | ion of the s encompasse | ubstances s all lower | within the manufactur level materials for w | er listed it hich the m | em. Note: if anufacturer | f the item is an as has engineering | sembly with lower responsibility. |
|---------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------|------------------------------|---------------------------|-------------------------------------------------------------------|-------------------------|------------------------------------------------|--------------------------|------------------------------------------------|-------------------------------------|-----------------------------|----------------------------------------|-----------------------------------|
| | IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute | | | * | Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materia | | | | als and Mfg Information | | | | |
| Supplier Information | | | | | | | | | | | | | |
| Company name* | | | Company unique ID | | | Unique ID Authority | | | | Response Date* | | | |
| onsemi | | | | | | | | | | 2023-06-08 | | | |
| Contact Name Title - Cont | | | atact | | | Phone - Contact* | | | | Email - Contact* | | | |
| Product-Env-Stewards Produc | | | Product Enviro Compliance | | | NA | | | | Product-Env-Stewards@onsemi.com | | | |
| Authorized Representative* Title - Re | | | - Representative | | | Phone - Representative* | | | Email - Representative* | | | | |
| Product-Env-Stewards | Product Enviro Compliance | | | | NA | | | | Product-Env-Stewards@onsemi.com | | | | |
| Requester Item Number | Mfr Item Number | | Mfr Item Name | | | Effective Date | e Version | N | Ianufacturing Site | | Weight* | UOM | Unit Type |
| | MC78M | MC78M09CDTRKG ANA 500MA 9 | | VREG LD FREE | | 2023-06-08 | | N | MY1 | | 350.99 | mg | Each |
| Manufacturing Proccess Infor | mation | | | | | | | · · · · | | I | | | |
| Terminal Plating / Grid Arra | Terminal Plating / Grid Array Material Terminal Base A | | Alloy J | J-STD-020 MSL Rating Peal | | | Peak Process Body Temperature Max Time at Peak | | | Temperature Number of Reflow Cycles | | | |
| Matte Tin (Sn) - annealed CU Alloy | | 1 | l | | 260 | | С | 30 | secon | ds 3 | | | |
| Comments | | | | | | | | | | | | | |
| level 1 - maximum time at peak tempe | erature during so | dering is 10-3 | 0 seconds | | | | | | | | | | |
| For more information regarding mate | rial composition | please refer to | page 3 | | | | | | | | | | |

| RoHS Material Composition Declaration | | | | Declaration Type * | Detailed | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| Directive 2015/863/EU amending RoHS 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), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP), Dibutyl phthalate (DIBP). | | | | | | | | | | |
| cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company | ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the | henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg | nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co | e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica | ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the 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 fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester. | | | | | | | | | | | | |
| 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.

| | cable [E] enter the weigh | | | ance category (JIG or Requester) or enter a [F] Optionally enter the positive (+) and n | | | | |
|----------------------|---------------------------|-----------------|----------|--------------------------------------------------------------------------------------------|------------------|--------|----------|-----------------|
| Homogeneous Material | Weight | Unit of Measure | Level | Substance | CAS | Exempt | Weight | Unit of Measure |
| Die | 0.2 | mg | Supplier | Silicon (Si) | 7440-21-3 | | 0.2 | mg |
| Die Attach | 1.4 | mg | А | Lead (Pb) | 7439-92-1 | 7a | 1.33 | mg |
| | | | Supplier | Tin (Sn) | 7440-31-5 | | 0.07 | mg |
| Lead Frame | 214.64 | mg | В | Nickel (Ni) | 7440-02-0 | | 0.4293 | mg |
| | | | Supplier | Copper (Cu) | 7440-50-8 | | 214.2107 | mg |
| Mold Compound-Black | 129.65 | mg | | Phenolic Resin | proprietary data | | 10.372 | mg |
| | | | Supplier | Ortho Cresol Novolac Resin | 29690-82-2 | | 10.372 | mg |
| | | | Supplier | Carbon Black (C) | 1333-86-4 | | 0.6482 | mg |
| | | | Supplier | Fused Silica (SiO2) | 60676-86-0 | | 108.2577 | mg |
| Plating | 3.73 | mg | Supplier | Tin (Sn) | 7440-31-5 | | 3.73 | mg |
| Wire Bond - Cu | 1.37 | mg | Supplier | Copper (Cu) | 7440-50-8 | | 1.37 | mg |