ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES	burn, Illinois. Al	ll rights reserved un tions.	nder both	This docume level parts, t	ent is a declara he declaration	tion of the encompass	substance ses all low	s within the manufactu er level materials for v	rer listed which the r	item. Note: i nanufacture	if the item is an as r has engineering	sembly with lower responsibility.	
1752-21.1     IPC Web Site for Information or http://www.ipc.org/IPC-175x	IPC Web Site for Information on IPC-1752 Standard Form T http://www.ipc.org/IPC-175x Distribu			<ul> <li>Declaration Class *</li> <li>Class 6 - RoHS Yes/No, Homogeneous Materi</li> </ul>					ials and N	als and Mfg Information			
Supplier Information													
Company name* Company unique ID			Unique ID A			Authority			Respon	Response Date*			
nsemi									2023-06-08				
Contact Name	ct Name Title - Contact			1	Phone - Contact*				Email - Contact*				
oduct-Env-Stewards Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
uthorized Representative* Title - Representative				Phone - Representative*				Email -	Email - Representative*				
Product-Env-Stewards Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Requester Item Number Mfr Ite	m Number	Mfr Item Name		·	Effective Da	e Versio	n	Manufacturing Site		Weight*	UOM	Unit Type	
MC331	64DM-3R2G ANA UNDER 3V		SENSE CRKT		2023-06-08 MY1		MY1	31.93		mg	Each		
Manufacturing Proccess Information					•							·	
Terminal Plating / Grid Array Material	ing / Grid Array Material Terminal Base Alloy		-STD-020 MSL	Rating	Peak Pro	cess Body	Temperat	ure Max Time at Peak	c Tempera	ture Numł	ber of Reflow Cyd	les	
Matte Tin (Sn) - annealed CU Alloy 1					260		С	30	seco	nds 3			
Comments													
level 1 - maximum time at peak temperature during s	oldering is 10-30	) seconds											
For more information regarding material compositio	n please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS 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).										
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	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	1.32	mg	Supplier	Silicon (Si)	7440-21-3		1.32	mg
Die Attach	0.91	mg		Epoxy resin	proprietary data		0.0228	mg
			Supplier	Silver (Ag)	7440-22-4		0.769	mg
			Supplier	Phenolic Resin	Proprietary Data		0.0228	mg
			Supplier	Inorganic filler	Proprietary Data		0.0228	mg
			Supplier	Dicyandiamine	461-58-5		0.0046	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.0682	mg
Lead Frame	14.26	mg	Supplier	Silver (Ag)	7440-22-4		0.3565	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0143	mg
			Supplier	Iron (Fe)	7439-89-6		0.3422	mg
			Supplier	Copper (Cu)	7440-50-8		13.547	mg
Mold Compound-Black	14.96	mg		Epoxy resin	proprietary data		0.748	mg
			Supplier	Phenolic Resin	Proprietary Data		0.748	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.2992	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0748	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		13.09	mg
Plating	0.38	mg	Supplier	Tin (Sn)	7440-31-5		0.38	mg
Wire Bond	0.1	mg	Supplier	Palladium (Pd)	7440-05-3		0.001	mg
			Supplier	Copper (Cu)	7440-50-8		0.099	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).