ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INTERNAL OF ADDRESS	nnockburn, Illinois. A	Il rights reserved un ntions.	nder both	This docume level parts, t	ent is a declarati he declaration e	on of the su	bstances w all lower	vithin the manufactur level materials for wl	er listed in hich the m	em. Note: it anufacturer	f the item is an as has engineering	sembly with lower responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Type   http://www.ipc.org/IPC-175x Distribute			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information			
Supplier Information												
Company name* Company unique ID				Unique ID Auth	e ID Authority			Response Date*				
onsemi									2023-06-08			
Contact Name	tact Name Title - Contact			]	Phone - Contact*				Email - Contact*			
roduct-Env-Stewards Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative				]	Phone - Representative*				Email - Representative*			
Product-Env-Stewards Product Enviro Compliance			NA						Product-Env-Stewards@onsemi.com			
Requester Item Number M	fr Item Number	Mfr Item Name		· · ·	Effective Date	Version	М	lanufacturing Site		Weight*	UOM	Unit Type
М	C33164DM-5R2G	3164DM-5R2G ANA UNDER 5V SI			2023-06-08	MY1		1	31.93	mg	Each	
Manufacturing Proccess Information									ł			I
Terminal Plating / Grid Array Material	ray Material Terminal Base Alloy J		-STD-020 MSL	Rating	Peak Proc	Process Body Temperature Max Time at Peak		k Temperature Number of Reflow Cyc		eles		
Matte Tin (Sn) - annealed CU Alloy 1				260		С	30	secon	ds 3			
Comments												
level 1 - maximum time at peak temperature dur	ing soldering is 10-3	0 seconds										
For more information regarding material compo	sition 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), 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).