ASSOCIATION CONNICELECTRONICS INDUS	© Copyright 2005, IPC	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under international and Pan-American copyright conventions.			der both	This docume level parts, the	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with low level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.								
1752-21.1		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				ials and M	als and Mfg Information				
Supplier Info	ormation														
Company name*			Company unique ID			ī	Unique ID Authority				Respons	Response Date*			
onsemi											2023-06	2023-06-08			
Contact Name			Title - Contact			]	Phone - Contact*				Email -	Email - Contact*			
Product-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				
Requ	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Da	e Date Version Manufacturing Site		Manufacturing Site		Weight*	UOM	Unit Type	
		NSV50350AST3G SM		SMC 350MA			2023-06-08			VN5		228.02	mg	Each	
	ing Proccess Informatio							·					·		
2			rminal Base Alloy J-STD-020 MSL I		L Rating				ture Max Time at Peak Temper		ure Num	ber of Reflow Cyc	eles		
' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	te Tin (Sn) - annealed	C	U Alloy	1			260		C	30	secon	ds 3			
Comments															
	um time at peak temperature														
or more inforn	mation regarding material co	mposition p	olease 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), Diisobutyl phthalate (DIBP).									
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledges and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier have not independently verified information provided by others, supplier agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.										
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions Supplier Acceptance	* Accepted						
Exemption: 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more 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 Ra	astislav Drska	-En								

## **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.

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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	1.34	mg	Supplier	Silicon (Si)	7440-21-3		1.34	mg
Die Attach Solder	5.17		Supplier	Silver (Ag)	7440-22-4		0.1293	mg
			A	Lead (Pb)	7439-92-1	7a	4.7822	mg
			Supplier	Tin (Sn)	7440-31-5		0.2585	mg
Lead Frame	92.28	mg	Supplier	Zinc (Zn)	7440-66-6		0.0923	mg
			Supplier	Iron (Fe)	7439-89-6		2.2147	mg
			Supplier	Copper (Cu)	7440-50-8		89.973	mg
Mold Compound-Black	126.72	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		12.672	mg
			Supplier	Carbon Black (C)	1333-86-4		0.6336	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		18.3744	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		82.368	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		12.672	mg
Plating	2.51	mg	Supplier	Tin (Sn)	7440-31-5		2.51	mg