ASSOCIATION CONNECTINIELEGTRONICS INDUSTRIES	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				nder both le	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lowe level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.								
752-21.1	IPC Web Site for Information on IPC-1752 Standard  Form Type http://www.ipc.org/IPC-175x  Form Type Distribute				Form Type * Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfg Information				
Supplier Inform	ation													
Company name*		Company unique ID			Ţ	Unique ID Authority				Response Date*				
onsemi											2024-05-21			
Contact Name		Title - Contact			F	Phone - Contact*				Email - Contact*				
Product-Env-Stewa	ards		Product Enviro Compliance			] 1	NA				Product-Env-Stewards@onsemi.com			
uthorized Represe	ntative*		Title - Representative			F	Phone - Representative*				Email - Representative*			
Product-Env-Stewa	ırds	Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com				
Requeste	Requester Item Number Mfr Item		em Number Mfr Item Name				Effective Date	e Versio	n I	Manufacturing Site		Weight*	UOM	Unit Type
		NVBG150N65S3F SF3 FRFET		SF3 FRFET Auto,	Auto, 150mohm, D2PAK 7L		2024-05-21		•	СРА		1572.945	mg	Each
<b>Ianufacturing</b>	Proccess Information	n						·	,					·
Terminal Plating / Grid Array Material			Terminal Base Alloy J-STD-020 MSI		-STD-020 MSL R	Rating	Peak Process Body Temperatu		re Max Time at Peak	Tempera	ture Numbe	er of Reflow Cyc	eles	
Matte Tin (Sn) - annealed			CU Alloy 1				260   C   30		seconds 3					
omments														
vel 1 - maximum t	ime at peak temperature	during sol	dering is 10-3	30 seconds										
or more informatio	on regarding material co	mposition ]	please refer t	o page 3										

RoHS Material Composition Declaration			Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU											
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 enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Isability and the Company's remedies for issues that arise regarding information the Supplier pro											
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	es per the definition above except for selected exemp	otions 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	-6_									

## **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	6.75	mg	Supplier	Silicon (Si)	7440-21-3		6.75	mg
Die Attach Solder	2.271		Supplier	Silver (Ag)	7440-22-4		0.0568	mg
			A	Lead (Pb)	7439-92-1	7a	2.1688	mg
			Supplier	Tin (Sn)	7440-31-5		0.0454	mg
Lead Frame	921.0	mg	В	Nickel (Ni)	7440-02-0		9.21	mg
			Supplier	Copper (Cu)	7440-50-8		911.79	mg
Mold Compound-Black	626.0			Epoxy resin	proprietary data		18.78	mg
			Supplier	Phenolic Resin	Proprietary Data		9.39	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		93.9	mg
			Supplier	Carbon Black (C)	1333-86-4		3.13	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		500.8	mg
Plating	0.224	mg	Supplier	Tin (Sn)	7440-31-5		0.224	mg
Wire Bond - Al	16.7	mg	Supplier	Aluminum (Al)	7429-90-5		16.7	mg