IPC ASSOCIATION CONNECTINE ELECTRONICS INDUSTRIE	© Copyright 2005. IPC	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			der both le	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower 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 Distribute				Form Type * Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfc Information				
upplier Inforn	nation								,					
Company name*			Company unique ID			U	Unique ID Authority				Response Date*			
onsemi											2024-05-05			
Contact Name			Title - Contact			P	Phone - Contact*				Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance			N	NA				Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative			P	Phone - Representative*				Email - Representative*			
Product-Env-Stewards			Product Enviro Compliance			r	NA				Product-Env-Stewards@onsemi.com			
Requesto	Requester Item Number Mf		Mfr Item Number Mfr Item Name			Effecti		Version	M	Manufacturing Site		Veight*	UOM	Unit Type
		NVBG020N120SC1 SiC MOS		SiC MOS D2PAK-	iC MOS D2PAK-7L 20mohm 1200V		2024-05-05 CPA		PA	1	576.704	mg	Each	
	Process Informatio		amainal Daga	Allow	STD-020 MSL R	Dating	Dools Duo	ass Dody To		May Time at Peak	Tommorati	na Namaha	er of Reflow Cyc	alac
			Γerminal Base Alloy         J-STD-020 MSL           CU Alloy         1		STD-020 MSL R	Kaung	Peak Process Body Temperature Max 7					er of Reflow Cyc	cies	
•	n (Sn) - annealed		U Alloy	1			245		C	30	second	ls 3		
omments	ime at neak tampanatura	duning gold	lowing is 10.2	10 seconds										
	ime at peak temperature													
r more informati	on regarding material co	mposition p	dease refer to	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 paragraph. If the Company and the Supplier 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 provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard											
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	5.29	mg	Supplier	Silicon Carbide	409-21-2		5.29	mg
Die Attach Solder	7.49		Supplier	Silver (Ag)	7440-22-4		0.1873	mg
			A	Lead (Pb)	7439-92-1	7a	6.9282	mg
			Supplier	Tin (Sn)	7440-31-5		0.3745	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