IPC ASSOCIATION CON ELECTRONICS IND	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.		der both	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.											
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				* Declaration Class * Class 6 - RoHS Yes/No. Homogeneous Materi					Materials	ials and Mfc Information				
upplier In	formation											ی				
Company name*			Company unique ID			J	Unique ID Authority					Response Date*				
nsemi											2	2024-05-21				
Contact Name		Title - Contact			I	Phone - Contact*				E	Email - Contact*					
Product-Env-	Stewards		Product Enviro Compliance				NA				1	Product-Env-Stewards@onsemi.com				
uthorized Re	epresentative*	Title - Representative			I	Phone - Representative*				F	Email - Representative*					
Product-Env-	Stewards	Product Enviro Compliance				NA]	Product-Env-Stewards@onsemi.com					
Re	Requester Item Number		Mfr Item Number Mfr Item Nam		ime		Effective Date	Versio	n	Manufacturing Site		Weigl	ht*	UOM	Unit Type	
		NRVBAF3200T3G Auto standard		Auto standard of M	MBRAF3200T3G		2024-05-21				83.64		mg	Each		
	ring Proccess Informa															
				erminal Base Alloy J-STD-020 MSL Ratir		Rating				Peak Te	eak Temperature Number of Reflow Cycles					
Ma	tte Tin (Sn) - annealed	C	CU Alloy	1			260		C	30		seconds	3			
omments																
vel 1 - maxin	num time at peak tempera	ture during sol	dering is 10-3	30 seconds												
or more info	rmation regarding materia	al composition	please 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 knowledge 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 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 provides in this fo											
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
Clip	7.0	mg	Supplier	Zinc (Zn)	7440-66-6		0.0084	mg
			Supplier	Iron (Fe)	7439-89-6		0.1645	mg
			Supplier	Copper (Cu)	7440-50-8		6.825	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0021	mg
Die	1.12	mg	Supplier	Silicon (Si)	7440-21-3		1.12	mg
Die Attach Solder	3.45	mg	Supplier	Silver (Ag)	7440-22-4		0.0862	mg
			A	Lead (Pb)	7439-92-1	7a	3.1913	mg
			Supplier	Tin (Sn)	7440-31-5		0.1725	mg
Lead Frame	28.84	mg	Supplier	Zinc (Zn)	7440-66-6		0.0346	mg
			Supplier	Iron (Fe)	7439-89-6		0.6777	mg
			Supplier	Copper (Cu)	7440-50-8		28.119	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0087	mg
Mold Compound-Black	41.85	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		4.185	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2092	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		6.0682	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		27.2025	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		4.185	mg
Plating	1.38	mg	Supplier	Tin (Sn)	7440-31-5		1.38	mg