IPC ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES	© Copyright 2005. IPC	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 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 Typ http://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				aterials and	ials and Mfg Information					
upplier Inforn	nation														
Company name*			Company unique ID			Ţ	Unique ID Authority				Resp	Response Date*			
nsemi											2023	2023-06-08			
Contact Name			Title - Contact			1	Phone - Contact*				Ema	Email - Contact*			
Product-Env-Stew	ards		Product Enviro Compliance				NA				Proc	Product-Env-Stewards@onsemi.com			
uthorized Repres	entative*		Title - Representative			I	Phone - Representative*				Ema	Email - Representative*			
Product-Env-Stewards			Product Enviro Compliance				NA				Proc	Product-Env-Stewards@onsemi.com			
Request	Requester Item Number Mfr It		em Number Mfr Item Name				Effective Date	Version	on	Manufacturing Site		Weight*	UOM	Unit Type	
		NCV8452STT3G 40V Single		40V Single Channe	ngle Channel HS Driver		2023-06-08					109.99	mg	Each	
	Process Informati														
2 7			,		STD-020 MSI	L Rating	Peak Process Body Tempe			1			ber of Reflow Cy	cles	
•	in (Sn) - annealed	C	U Alloy	1			260		C	30	se	conds 3			
omments															
	time at peak temperatur														
or more informati	on regarding material c	omposition p	please refer t	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 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 Terms and Conditions of Sale app											
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	3.3	mg	Supplier	Silicon (Si)	7440-21-3		3.3	mg
Die Attach Solder	2.37		Supplier	Silver (Ag)	7440-22-4		0.0592	mg
			A	Lead (Pb)	7439-92-1	7a	2.2633	mg
			Supplier	Tin (Sn)	7440-31-5		0.0474	mg
Lead Frame	37.17		Supplier	Silver (Ag)	7440-22-4		0.4832	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0372	mg
			Supplier	Iron (Fe)	7439-89-6		0.8921	mg
			Supplier	Copper (Cu)	7440-50-8		35.7575	mg
Mold Compound-Black	59.7			Epoxy resin	proprietary data		4.4775	mg
			Supplier	Phenolic Resin	Proprietary Data		1.4925	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		4.4775	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2985	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		48.954	mg
Plating	7.44	mg	Supplier	Tin (Sn)	7440-31-5		7.44	mg
Wire Bond - Au	0.01	mg	Supplier	Gold (Au)	7440-57-5		0.01	mg