IPC ASSOCIATION CONNECTIN	Material Composi © Copyright 2005. IPC international and Pan-A	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				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				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mf	g Informati	on			
upplier Inforn														
Company name*			Company unique ID			τ	Unique ID Authority				Response Date*			
nsemi											2024-05-12			
Contact Name			Title - Contact			1	Phone - Contact*				Email - Contact*			
Product-Env-Stew	ards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative			I	Phone - Representative*				Email - Representative*			
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Request	Requester Item Number Mfr Item		m Number Mfr Item Name				Effective Date	e Versio	n I	Manufacturing Site		Veight*	UOM	Unit Type
		NVMFS50	IFS5C460NLT3G T6-40V N 4.5 mOhms LL		hms LL		2024-05-12		1	MY1		07.2528	mg	Each
Ianufacturing	Proccess Informatio	n												
Terminal Plating / Grid Array Material T			Cerminal Base Alloy J-STD-020 MS		SL Rating	Peak Process Body Temperat		Temperatu	re Max Time at Peak	Temperatu	ire Numb	er of Reflow Cyc	eles	
Matte Tin (Sn) - annealed		CU	CU Alloy 1			260 C		30	second	ls 3				
omments														
vel 1 - maximum	ime at peak temperature	during sold	lering is 10-30	0 seconds										
or more informati	on regarding material co	mposition p	lease 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 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 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 Standard Terms and Conditions of Sale applicable to suc											
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
Clip	13.512	mg	Supplier	Zinc (Zn)	7440-66-6		0.0162	mg
			Supplier	Iron (Fe)	7439-89-6		0.3175	mg
			Supplier	Copper (Cu)	7440-50-8		13.1742	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0041	mg
Die	0.727	mg	Supplier	Silicon (Si)	7440-21-3		0.727	mg
Die Attach Solder	1.4993	mg	Supplier	Silver (Ag)	7440-22-4		0.0375	mg
			A	Lead (Pb)	7439-92-1	7a	1.3869	mg
			Supplier	Tin (Sn)	7440-31-5		0.075	mg
Lead Frame	42.5398	mg	Supplier	Silver (Ag)	7440-22-4		0.0255	mg
			Supplier	Iron (Fe)	7439-89-6		0.0425	mg
			Supplier	Copper (Cu)	7440-50-8		42.459	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0128	mg
Mold Compound-Black	48.7198	mg		Epoxy resin	proprietary data		3.654	mg
			Supplier	Phenolic Resin	Proprietary Data		1.218	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.654	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2436	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		39.9502	mg
Plating	0.2183	mg	Supplier	Tin (Sn)	7440-31-5		0.2183	mg
Wire Bond - Cu	0.0366	mg	Supplier	Copper (Cu)	7440-50-8		0.0366	mg