ASSOCIATION CONNEC	© Copyright 2005. IF	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 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 Typ http://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfc Information				
upplier Info	rmation													
Company name*		Company unique ID			Į	Unique ID Authority				Response Date*				
nsemi										2025-09-17				
Contact Name		Title - Contact			F	Phone - Contact*				Email - Contact*				
Product-Env-Ste	ewards		Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
authorized Repr	esentative*	Title - Representative			F	Phone - Representative*				Email - Representative*				
Product-Env-Ste	ewards	Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com				
Reque	Requester Item Number M:		Mfr Item Number Mfr Item Name				Effective Date	Version	on Manufacturing Site		W	eight*	UOM	Unit Type
		NTBL048N60S5H SF5 600V FAST		SF5 600V FAST 48	Bmohm with To	oll	1 2025-09-17		P	PBB		9.8091	mg	Each
T	ng Process Informat			A11	CTD 020 MCI	Datin -	Deels Dees	D. d. T		Man Time at Peak	T	Name	and D. Elant Co.	1
ž ž		,		STD-020 MSL	Kating	Peak Process Body						cies		
•	Tin (Sn) - annealed	C	U Alloy	1			260		IC	30	second	s 3		
omments														
	n time at peak temperatu													
or more inform	ation regarding material o	composition j	please refer t	o page 3										

RoHS Material Composition Declaration			Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	amending RoHS RoHS Definition: Quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).									
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 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 of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.										
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	14.42	mg	Supplier	Silicon (Si)	7440-21-3		14.42	mg
Die Attach Solder	7.6901		Supplier	Silver (Ag)	7440-22-4		0.1923	mg
			A	Lead (Pb)	7439-92-1	7a	7.344	mg
			Supplier	Tin (Sn)	7440-31-5		0.1538	mg
Lead Frame	474.555	mg	В	Nickel (Ni)	7440-02-0		0.1234	mg
			Supplier	Copper (Cu)	7440-50-8		474.2655	mg
			Supplier	Phosphorus (P)	7723-14-0		0.1661	mg
Mold Compound-Black	314.85		Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.3149	mg
			Supplier	Carbon Black (C)	1333-86-4		0.3149	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		125.94	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		188.2803	mg
Plating	8.12	mg	Supplier	Tin (Sn)	7440-31-5		8.12	mg
Wire Bond - Al	0.174	mg	Supplier	Aluminum (Al)	7429-90-5		0.174	mg