IPC ASSOCIATION ELECTRONIC	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. A international and Pan-American copyright converses.		Illinois. All rights reserved under 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 Type http://www.ipc.org/IPC-175x Distribute								Materials and	ials and Mfg Information				
uppliei	r Information													
ompany	name*	Company un	Company unique ID			Unique ID Authority				Response Date*				
nsemi										2024-05-11				
ontact N	Vame	Title - Contact			I	Phone - Contact*				Email - Contact*				
roduct-I	Env-Stewards	Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com				
uthorize	ed Representative*	Title - Representative			I	Phone - Representative*			Email	Email - Representative*				
Product-Env-Stewards Product E				luct Enviro Compliance			NA			Prod	Product-Env-Stewards@onsemi.com			
	Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Version	Manufacturing S	Manufacturing Site		UOM	Unit Type	
		NJW3281G TO-3P NPN POV		TO-3P NPN POW	ER TRAN 250	0V	2024-05-11 KR8			5184.55	mg	Each		
lanufa	acturing Process Inform		Terminal Base	Alloy	-STD-020 MS	I. Doting	Pank Proga	ogs Pody Tomp	orotura May Time et	Dook Tompo	rotura Numb	or of Poflow Cv	olos	
	8		CU Allov NA			L Kating	Peak Process Body Temperature Max Time at O C 30			1.	seconds seconds Sumber of Reflow Cycles			
omments	` ′		CO Alloy	I	i.a.		TO .		30	Isec	onus 3			
mments	8													
	information regarding materia	.1	. 1											

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 keloartion shall encompass all such 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, itssuppliers 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 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 f Requester) and click on Submit Form to ha		Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the							
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	20.45	mg	Supplier	Silicon (Si)	7440-21-3		20.45	mg
Die Attach	25.85	mg	Supplier	Silver (Ag)	7440-22-4		0.3877	mg
			A	Lead (Pb)	7439-92-1	7a	24.1698	mg
			Supplier	Tin (Sn)	7440-31-5		1.2925	mg
Lead Frame	3425.52	mg	Supplier	Iron (Fe)	7439-89-6		3.4255	mg
			Supplier	Copper (Cu)	7440-50-8		3422.0945	mg
Mold Compound-Black	1694.84			Brominated epoxy resin	proprietary data		25.4226	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		322.0196	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		20.3381	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1327.0597	mg
Plating	14.5	mg	Supplier	Tin (Sn)	7440-31-5		14.5	mg
Wire Bond - Al	3.39	mg	Supplier	Aluminum (Al)	7429-90-5		3.39	mg