IPC ASSOCIATION COI	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			der both lev	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 Typhttp://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfc Information				
upplier In	nformation								,					
Company name*			Company unique ID			U	Unique ID Authority				Response Date*			
nsemi										2024-04-29				
Contact Name			Title - Contact			P	Phone - Contact*				Email - Contact*			
Product-Env	-Stewards	Product Enviro Compliance			N	NA				Product-Env-Stewards@onsemi.com				
uthorized R	Representative*	Title - Representative			P	Phone - Representative*				Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance			N	NA				Product-Env-Stewards@onsemi.com			
Re	equester Item Number	Mfr Item	Number	Mfr Item Name]	Effective Date	Version	M	Ianufacturing Site	V	Veight*	UOM	Unit Type
		2SA2040-TL-E BIP PNI		BIP PNP 8A 50V	SIP PNP 8A 50V		2024-04-29	-04-29 CNG		2	81.64	mg	Each	
	uring Proccess Inform													
		•		STD-020 MSL R	lating	Peak Process Body Temperatu		•				er of Reflow Cyc	eles	
cor	ntains Bi	C	CU Alloy	1			260	[(<u> </u>	30	secono	ls 3		
omments														
vel 1 - maxii	mum time at peak tempera	ture during sol	dering is 10-3	30 seconds										
or more info	ormation regarding materia	l composition	please refer t	o 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 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											
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
Die	0.67	mg	Supplier	Silicon (Si)	7440-21-3		0.67	mg
Die Attach Solder	0.31	mg	Supplier	Silver (Ag)	7440-22-4		0.0078	mg
			A	Lead (Pb)	7439-92-1	7a	0.2868	mg
			Supplier	Tin (Sn)	7440-31-5		0.0155	mg
Lead Frame	146.45	mg	Supplier	Silver (Ag)	7440-22-4		0.3808	mg
			Supplier	Tin (Sn)	7440-31-5		0.205	mg
			Supplier	Copper (Cu)	7440-50-8		145.8642	mg
Mold Compound-Black	130.01	mg		Brominated epoxy resin	proprietary data		1.8201	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		5.8505	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		1.1701	mg
			Supplier	Carbon Black (C)	1333-86-4		1.3001	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		97.5075	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		22.1017	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.26	mg
Plating	3.34	mg	В	Bismuth (Bi)	7440-69-9		0.02	mg
			Supplier	Tin (Sn)	7440-31-5		3.32	mg
Wire Bond - Au	0.86	mg	Supplier	Gold (Au)	7440-57-5		0.86	mg