© Copyri	ial Composition D ight 2005. IPC, Bannoo onal and Pan-American	kburn, Illinois. A	Il rights reserved untions.	nder both	This docume level parts, th	ent is a declar he declaration	ration of n encomp	the substances passes all low	within the er level mat	manufactur erials for wl	er listed it hich the m	em. Note anufactu	e: if the item is arer has enginee	an assembly with low pring responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Ty   http://www.ipc.org/IPC-175x Distribut				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information				
Supplier Information															
Company name*	Company un	Company unique ID			Unique ID Authority					Response Date*					
onsemi											2023-06-08				
Contact Name	Title - Conta	Title - Contact			Phone - Contact*					Email - Contact*					
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com					
Authorized Representative*	Title - Repre	Title - Representative			Phone - Representative*				Email - Representative*						
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com						
Requester Item Num	Requester Item Number Mfr Item Number   SZESD8451N2T:					Effective Da	fective Date Version Manufacturing Sit		ing Site	V	Veight*	UOM	Unit Type		
						2023-06-08 MY1			0.799		mg	Each			
Manufacturing Proccess	Information					1							-		
Terminal Plating / Gri	Terminal Plating / Grid Array Material		erminal Base Alloy J-STD-		L Rating	Peak Pr	Process Body Temperature Max Time at Peal		me at Peak	Temperature Numbe		mber of Reflow	v Cycles		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy	CU Alloy 1			260		С	30		second	ls 3			
Comments															
evel 1 - maximum time at peak	temperature during	soldering is 10-3	0 seconds												
or more information regardin	ng material compositio	n please refer to	page 3												

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	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).										
cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe v others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and cc for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of						
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	ances per the definitio	on above	Supplier Acceptance	* Accepted						
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all						
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	stislav Drska	Le									

## 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.027	mg	Supplier	Silicon (Si)	7440-21-3		0.027	mg
Die Attach	0.009	mg	Supplier	Silver (Ag)	7440-22-4		0.0067	mg
			Supplier	Epoxy resins	129915-35-1		0.0022	mg
Lead Frame	0.401	mg	Supplier	Tin (Sn)	7440-31-5		0.001	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0009	mg
			Supplier	Chromium (Cr)	7440-47-3		0.001	mg
			Supplier	Copper (Cu)	7440-50-8		0.3981	mg
Mold Compound-Black	0.348	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.0278	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0017	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.007	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.301	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0104	mg
Plating	0.007	mg	Supplier	Palladium (Pd)	7440-05-3		0.0002	mg
			В	Nickel (Ni)	7440-02-0		0.0062	mg
			Supplier	Gold (Au)	7440-57-5		0.0007	mg
Wire Bond - Au	0.007	mg	Supplier	Gold (Au)	7440-57-5		0.007	mg

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).