© Copy	rial Composition right 2005. IPC, Ba ional and Pan-Ame	nnockburn, Illin	nois. All rights reserved	under both	This docume level parts, the	ent is a declaration e	on of the su	bstances w all lower	vithin the manufactur level materials for wh	er listed item hich the man	. Note: if ifacturer l	the item is an as has engineering	sembly with low responsibility.
				Form Type Distribute	*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				als and Mfg Information			
upplier Information													
Company name*			Company unique ID			Unique ID Authority				Response Date*			
onsemi										2023-06-08			
Contact Name			Title - Contact			Phone - Contact*				Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative			Phone - Representative*				Email - Representative*			
Product-Env-Stewards			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Requester Item Nur	mber M	Ifr Item Numbe	ber Mfr Item Name			Effective Date	Version	М	Manufacturing Site		ght*	UOM	Unit Type
	SZ	SZMMBZ33VAWT1 ZEN SC70 G		270 DUAL 33V		2023-06-08		CI	CN1			mg	Each
Aanufacturing Proccess	s Information												
Terminal Plating / G	Terminal Plating / Grid Array Material Terminal Base		Base Alloy	Alloy J-STD-020 MSL Rating		Peak Process Body Temperature Max T		Max Time at Peak	eak Temperature Number of Reflow Cycles		les		
Matte Tin (Sn) - annealed		CU Alloy	J Alloy 1			260 C		С	30 seco		seconds 3		
omments													
vel 1 - maximum time at pea	k temperature du	ring soldering i	is 10-30 seconds										
or more information regardi	ing material compo	sition please r	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), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP).										
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 y 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 co 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	0.1	mg	Supplier	Silicon (Si)	7440-21-3		0.1	mg
Lead Frame	2.08	mg	В	Nickel (Ni)	7440-02-0		0.7966	mg
			Supplier	Iron (Fe)	7439-89-6		1.1003	mg
			Supplier	Copper (Cu)	7440-50-8		0.183	mg
Mold Compound-Black	3.7	mg	Supplier	Boron zinc hydroxide oxide	138265-88-0		0.111	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0185	mg
			Supplier	2,4,6-triamino-1,3,5-triazine isocyanuric acid	37640-57-6		0.111	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		2.96	mg
			Supplier	Carbon Black (C)	1333-86-4		0.037	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.296	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.1665	mg
Plating	0.11	mg	Supplier	Tin (Sn)	7440-31-5		0.11	mg
Wire Bond - Cu	0.01	mg	Supplier	Copper (Cu)	7440-50-8		0.01	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 (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 signa range of distribution unless otherwise noted).