ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES	IPC, Bannockl	burn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declara he declaration	tion of the sencompass	substances es all low	s within the m er level mater	anufacture ials for wh	er listed item iich the man	. Note: i ufacture	f the item is an as r has engineering	sembly with low responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Ty http://www.ipc.org/IPC-175x Distribution				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				us Materia	ials and Mfg Information				
Supplier Information														
Company name* Compan			mpany unique ID			Unique ID Authority					Response Date*			
onsemi											2023-06-08			
Contact Name Title - Contact			ct	Phone - Contact*					Email - Contact*					
Product-Env-Stewards Product Envir			inviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Represent			esentative			Phone - Representative*				Email - Representative*				
Product-Env-Stewards Produc			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Requester Item Number Mfr Item I		Number Mfr Item Name			Effective Da	e Versior	ı	Manufacturing Site		We	ight*	UOM	Unit Type
	SMMB2	SMMBZ33VALT1G ZEN SOT23 RI		G .225W 12V		2023-06-08			CN1		8.02	2	mg	Each
Aanufacturing Proccess Inform	nation													
Terminal Plating / Grid Array	Ferminal Plating / Grid Array Material Terminal Base Allo		Alloy	J-STD-020 MSI	L Rating	Peak Pro	cess Body	Temperatu	ire Max Tim	e at Peak	Temperature	Numt	per of Reflow Cyc	eles
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30		seconds	3			
omments														
vel 1 - maximum time at peak tempe	rature during so	ldering is 10-3	0 seconds											
or more information regarding mater	rial composition	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), Disobutyl 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 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 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.

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	0.05	mg	Supplier	Silicon (Si)	7440-21-3		0.05	mg
Lead Frame	2.92	mg	В	Nickel (Ni)	7440-02-0		1.06	mg
			Supplier	Iron (Fe)	7439-89-6		1.4658	mg
			Supplier	Copper (Cu)	7440-50-8		0.3942	mg
Mold Compound-Black	4.9	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.49	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0245	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.7105	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		3.185	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.49	mg
Plating	0.14	mg	Supplier	Tin (Sn)	7440-31-5		0.14	mg
Wire Bond - Cu	0.01	mg	Supplier	Copper (Cu)	7440-50-8		0.01	mg