ASSOCIATION CONNECTING LECTRONICS INDUSTRIES® International and Pan	C, Bannockb	ourn, Illinois. A	ll rights reserved u ntions.	nder both	This docum level parts, t	ent is a declaration entite decl	on of the subs ncompasses a	stances wit Ill lower lev	hin the manufacture vel materials for wh	er listed it hich the m	em. Note: if anufacturer	the item is an as has engineering	sembly with lower responsibility.
	21.1 IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Distr								als and Mfg Information				
Supplier Information													
Company name* Comp			ompany unique ID			Unique ID Authority				Response Date*			
onsemi								2024-05-10					
Contact Name Title - Contact			et		Phone - Contac	hone - Contact*			Email - Contact*				
Product-Env-Stewards Product Envi			nviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Repre			esentative			Phone - Representative*			Email - Representative*				
Product-Env-Stewards Product E			duct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Requester Item Number	Requester Item Number Mfr Item Nu		Number Mfr Item Name			Effective Date	Version	Man	Manufacturing Site		Veight*	UOM	Unit Type
	MM3Z2	MM3Z20VB 20.0V 0.2W		2% Zen SOD323F		2024-05-10		CN2	CN2		.58939	mg	Each
Manufacturing Proccess Informat	ion							·					
Terminal Plating / Grid Array Ma	nal Plating / Grid Array Material Terminal Base A		Alloy J	-STD-020 MSL	Rating	Peak Proce	ss Body Ten	perature	Max Time at Peak	Temperati	ire Numb	er of Reflow Cyc	cles
Matte Tin (Sn) - annealed CU Alloy		1	l		260	0	2	30	second	ls 3			
Comments													
level 1 - maximum time at peak temperatu	re during sol	ldering is 10-3	0 seconds										
For more information regarding material (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), 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 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	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.

	cable [E] enter the weigh			ance category (JIG or Requester) or enter a [F] Optionally enter the positive (+) and n				
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.03	mg	Supplier	Silicon (Si)	7440-21-3		0.0285	mg
			Supplier	Gold (Au)	7440-57-5		0.0014	mg
			Supplier	Aluminum (Al)	7429-90-5		0.0001	mg
Lead Frame	1.004	mg	Supplier	Silver (Ag)	7440-22-4		0.004	mg
			Supplier	Chromium (Cr)	7440-47-3		0.002	mg
			Supplier	Manganese (Mn)	7439-96-5		0.008	mg
			В	Nickel (Ni)	7440-02-0		0.41	mg
			Supplier	Iron (Fe)	7439-89-6		0.58	mg
Mold Compound-Black	3.44999	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.3736	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0186	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		2.7179	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.3398	mg
Plating	0.1	mg	Supplier	Tin (Sn)	7440-31-5		0.1	mg
Wire Bond - Cu	0.0054	mg	Supplier	Copper (Cu)	7440-50-8		0.0054	mg