	Material Composit © Copyright 2005. IPC,  international and Pan-An	Bannockb	urn, Illinois. A	ll rights reserved nations.	under both	This docum level parts, t	ent is a declar the declaration	ation of th	ne substance asses all low	s within the man er level materials	ufacture s for whi	r listed iter ich the mar	n. Note: i nufacture	f the item is an as r has engineering	sembly with lower responsibility.
1752-21.1					Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					Material	ials and Mfg Information			
Supplier Inform	ation														
Company name*			Company unique ID			Unique ID Authority					Response Date*				
onsemi												2024-05-10			
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*				1	Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com				
Requeste	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Da	te Vers	ion	Manufacturing Site		W	eight*	UOM	Unit Type
		MM3Z11VB 11.0		11.0V 0.2W 2% Zen SOD323F		2024-05-10			CN2		4.5	58939	mg	Each	
Manufacturing ]	Proccess Information	1										·			
Terminal Plating / Grid Array Material Termi			erminal Base A	al Base Alloy J-STD-020 MSL R			Peak Process Body Temperature Max Time at Pea			t Peak T	Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU Alle			U Alloy	1			260 C 30			seconds 3					
Comments															
level 1 - maximum ti	me at peak temperature d	luring sol	dering is 10-3	0 seconds											
For more information	on regarding material com	position p	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).											
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.

	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