ASSOCIATION CONNECTING ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES International and Pan-American co	urn. Illinois. All rights reserved u	nder both This doc level par	tument is a declaration e	on of the substance ncompasses all low	es within the manufactur ver level materials for wl	er listed item. Note: i hich the manufacture	if the item is an a r has engineering	ssembly with lowe responsibility.	
752-21.1 IPC Web Site for Information on I http://www.ipc.org/IPC-175x	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information					
Supplier Information									
Company name*	any name* Company unique ID		Unique ID Authority			Response Date*			
onsemi	mi					2024-09-20			
Contact Name	Title - Contact		Phone - Contact*			Email - Contact*			
Product-Env-Stewards	luct-Env-Stewards Product Enviro Compliance		NA			Product-Env-Stewards@onsemi.com			
uthorized Representative* Title - Representative			Phone - Representative*			Email - Representative*			
Product-Env-Stewards Product Enviro Co		o Compliance		NA			Product-Env-Stewards@onsemi.com		
Requester Item Number Mfr Item	Number Mfr Item Name		Effective Date	Version	Manufacturing Site	Weight*	UOM	Unit Type	
MM3Z12	2VST1G SOD-323 COPPE	ER PB FREE	2024-09-20		CN1	4.51	mg	Each	
Manufacturing Proccess Information									
Terminal Plating / Grid Array Material T	erminal Base Alloy	J-STD-020 MSL Rating	Peak Proc	Peak Process Body Temperature Max Time at Pe		k Temperature Number of Reflow Cycles			
Matte Tin (Sn) - annealed CU Alloy 1		1	260	С	30	seconds 3			
omments									
evel 1 - maximum time at peak temperature during sol	dering is 10-30 seconds								
or 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), 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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	0.49	mg	Supplier	Silicon (Si)	7440-21-3		0.49	mg	
Lead Frame 0.86	0.86	mg	В	Nickel (Ni)	7440-02-0		0.3122	mg	
			Supplier	Iron (Fe)	7439-89-6		0.4317	mg	
			Supplier	Copper (Cu)	7440-50-8		0.1161	mg	
Mold Compound-Black	3.02	mg	Supplier	Boron zinc hydroxide oxide	138265-88-0		0.0906	mg	
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0151	mg	
			Supplier	2,4,6-triamino-s-triazincompd.withs- triazine-triol	37640-57-6		0.0906	mg	
			Supplier	Silica Amorphous (SiO2)	7631-86-9		2.416	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0302	mg	
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.2416	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.1359	mg	
Plating	0.13	mg	Supplier	Tin (Sn)	7440-31-5		0.13	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).