ASDCIATION CONNECTING ELECTRONICS (MOUSTRIES+) international and Pan-American	kburn. Illinois. A	Il rights reserved untions.	Inder both	This docume evel parts, t	ent is a declarat	ion of the su	ubstances s all lowe	within the manufa r level materials for	acturer liste or which the	d item. Note e manufactu	e: if the item is an a arer has engineering	ssembly with lower responsibility.	
	21.1 IPC Web Site for Information on IPC-1752 Standard Form Ty http://www.ipc.org/IPC-175x Distribu			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					aterials and	als and Mfg Information			
Supplier Information													
Company name* Company unique ID				Unique ID Authority					Respo	Response Date*			
nsemi									2023-	2023-06-08			
Contact Name	Title - Contact]	Phone - Contact*				Emai	Email - Contact*			
oduct-Env-Stewards Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Representative				Phone - Representative*				Emai	Email - Representative*				
Product-Env-Stewards Product Enviro Complian			liance		NA			Prod	Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr I	em Number	Mfr Item Name			Effective Date	Version]	Manufacturing Site		Weight*	UOM	Unit Type	
ESDS	X3.3ST5G SOD-923 2 EUT SN		SNG CU PBF		2023-06-08	3-06-08 CN1			0.443	mg	Each		
Manufacturing Proccess Information										-			
Terminal Plating / Grid Array Material	Terminal Base Alloy J-S		J-STD-020 MSL	Rating	Peak Process Body Temperat		emperatu	ure Max Time at Peak Tempera		rature Nu	mber of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy		1		260		С	30	sec	conds 3				
Comments													
evel 1 - maximum time at peak temperature during	soldering is 10-3	0 seconds											
For more information regarding material compositi	on 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 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	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	0.03	mg	Supplier	Silicon (Si)	7440-21-3		0.03	mg	
Lead Frame	0.21	mg	Supplier	Silver (Ag)	7440-22-4		0.0374	mg	
			В	Nickel (Ni)	7440-02-0		0.0649	mg	
			Supplier	Iron (Fe)	7439-89-6		0.0897	mg	
			Supplier	Copper (Cu)	7440-50-8		0.0181	mg	
Mold Compound-Black	0.19	mg	Supplier	Boron zinc hydroxide oxide	138265-88-0		0.0057	mg	
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0009	mg	
			Supplier	2,4,6-triamino-1,3,5-triazine isocyanuric acid	37640-57-6		0.0057	mg	
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.152	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0019	mg	
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.0152	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0086	mg	
Plating	0.01	mg	Supplier	Tin (Sn)	7440-31-5		0.01	mg	
Wire Bond - Cu	0.003	mg	Supplier	Copper (Cu)	7440-50-8		0.003	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 (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).