ASSOCIATION CONNECTI ELECTRONICS INDUSTRI	Material Compo © Copyright 2005. If international and Pan	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ials and M	ials and Mfg Information			
upplier Infori	mation				·										
Company name*			Company unique ID			τ	Unique ID Authority				Response Date*				
nsemi										2024-05-21					
Contact Name		Title - Contact			1	Phone - Contact*				Email - Contact*					
Product-Env-Stew	vards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
uthorized Repres	sentative*	Title - Representative			1	Phone - Representative*				Email - Representative*					
Product-Env-Stew	vards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Reques	Requester Item Number Mfr Ite		tem Number Mfr Item Name				Effective Date   Version   Manufacturing S		Manufacturing Site		Weight*	UOM	Unit Type		
		SURS8220T3G REC SMB SPEC		REC SMB SPECI	AL ULTFST	Γ 2024-05-21				VN5		114.91	mg	Each	
<b>Ianufacturing</b>	g Proccess Informat	tion													
Terminal Plating / Grid Array Material To			erminal Base Alloy J-STD-020 MSI		SL Rating	Peak Process Body Temperate				ture Numb	er of Reflow Cyc	eles			
Matte Tin (Sn) - annealed CU Allo			CU Alloy	1			260		C	30	secor	nds 3			
omments															
vel 1 - maximum	time at peak temperatu	re during sol	dering is 10-3	30 seconds											
or more informat	tion regarding material	composition	please refer t	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledges and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Isability and the Company's remedies for issues that arise regarding information the Supplier pro											
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	es per the definition above except for selected exemp	otions Supplier Acceptance	* Accepted							
Exemption: 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.											
Supplier Digital Signature Ra	astislav Drska	-6_									

## **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).

<b>Homogeneous Material</b>	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Clip	16.81	mg	Supplier	Zinc (Zn)	7440-66-6		0.0202	mg
			Supplier	Iron (Fe)	7439-89-6		0.395	mg
			Supplier	Copper (Cu)	7440-50-8		16.3897	mg
			Supplier	Phosphorus (P)	7723-14-0		0.005	mg
Die	0.7	mg	Supplier	Silicon (Si)	7440-21-3		0.7	mg
Die Attach Solder	0.52	mg	Supplier	Silver (Ag)	7440-22-4		0.013	mg
			A	Lead (Pb)	7439-92-1	7a	0.481	mg
			Supplier	Tin (Sn)	7440-31-5		0.026	mg
Lead Frame	46.99	mg	Supplier	Zinc (Zn)	7440-66-6		0.0564	mg
			Supplier	Iron (Fe)	7439-89-6		1.1043	mg
			Supplier	Copper (Cu)	7440-50-8		45.8153	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0141	mg
Mold Compound-Black	48.07	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		4.807	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2403	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		6.9701	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		31.2455	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		4.807	mg
Plating	1.82	mg	Supplier	Tin (Sn)	7440-31-5		1.82	mg