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.										
1752-21.1	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 Mater					ials and Mfg Information					
Supplier Inform	nation														
Company name*			Company unique ID				Unique ID Authority					Response Date*			
onsemi											2023-06-08				
Contact Name		Title - Contact				Phone - Contact*					Email - Contact*				
Product-Env-Stew	ards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Represe	entative*	Title - Representative				Phone - Representative*				Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Request	Requester Item Number Mfr Item		Number Mfr Item Name			·	Effective Dat	e Vers	Version Manufacturing Site		We	ight*	UOM	Unit Type	
		FSB5055	FSB50550AB SPM		SPM5 V2 INV 500V 1.4ohm		2023-06-08			СРА		321	4.74	mg	Each
Manufacturing	Proccess Information	n													
Terminal	Terminal Plating / Grid Array Material T		Cerminal Base Alloy J-STD-0		J-STD-020 MSI	L Rating	Peak Pro	rocess Body Temperature Ma		re Max Ti	me at Peak	eak Temperature		er of Reflow Cyc	eles
Matte Tin (Sn) - annealed		C	CU Alloy NA		NA		0		C	30		seconds	3		
Comments															
For more informati	on regarding material con	nposition p	olease refer to	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 the such information is true and the supplier cacknowledges 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 paragraph. If the Company and the Supplier 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 Itability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.											
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions 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 f Requester) and click on Submit Form to ha		Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the							
Supplier Digital Signature Ra	astislav Drska	-En									

## **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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	20.5	mg	Supplier	Silicon (Si)	7440-21-3		20.5	mg
Die Attach	1.3	mg	Supplier	Silver (Ag)	7440-22-4		0.988	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.312	mg
Die Attach Solder	4.0	mg	Supplier	Silver (Ag)	7440-22-4		0.1	mg
			A	Lead (Pb)	7439-92-1	7a	3.7	mg
			Supplier	Tin (Sn)	7440-31-5		0.2	mg
Lead Frame	1351.45	mg	Supplier	Silver (Ag)	7440-22-4		19.7	mg
			Supplier	Iron (Fe)	7439-89-6		1.35	mg
			Supplier	Copper (Cu)	7440-50-8		1329.9956	mg
			Supplier	Phosphorus (P)	7723-14-0		0.4044	mg
Mold Compound-Black	1822.19	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		264.0007	mg
			Supplier	Carbon Black (C)	1333-86-4		8.19	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1549.9993	mg
Plating	13.8	mg	Supplier	Tin (Sn)	7440-31-5		13.8	mg
Wire Bond - Cu	1.5	mg	Supplier	Palladium (Pd)	7440-05-3		0.03	mg
			Supplier	Copper (Cu)	7440-50-8		1.47	mg