ASSOCIATION CONNECTIN	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 lowe 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 Typ. http://www.ipc.org/IPC-175x Form Typ. Distribute					* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ials and Mfg Information			
Supplier Inform	nation													
Company name*			Company unique ID			ī	Unique ID Authority				Response Date*			
nsemi										2025-06-06				
Contact Name		Title - Contact]	Phone - Contact*				Email - Contact*				
Product-Env-Stewa	ards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
uthorized Represe	ntative*	Title - Representative]	Phone - Representative*				Email - Representative*				
Product-Env-Stewa	ırds	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Requeste	er Item Number	Mfr Item Number		Mfr Item Name			Effective Date	e Versio	on	Manufacturing Site		Weight*	UOM	Unit Type
		ES1JAF		SFR SMAF PN 1	AF PN 1A 600V		2025-06-06			CNP		34.7001	mg	Each
	Proccess Information												·	
Terminal	Terminal Plating / Grid Array Material				J-STD-020 M	SL Rating				ture Max Time at Peak Temper		ture Numbe	er of Reflow Cyc	eles
Matte Ti	n (Sn) - annealed	C	CU Alloy		[260		C	30	secoi	nds 3		
omments														
vel 1 - maximum t	ime at peak temperature	e during sol	dering is 10-3	30 seconds										
or more informati	on regarding material co	mposition	please 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 correct to the best of its knowledge 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 uppliers 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 write 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 the supplier's liability 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 warrant											
RoHS Declaration * 4 - Item(s	s) does not contain RoHS restricted substance	ces per the definition above except for selected exer	nptions 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: 7c-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.											
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 R		,									

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
Clip	3.02	mg	Supplier	Iron (Fe)	7439-89-6		0.003	mg
			Supplier	Copper (Cu)	7440-50-8		3.0161	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0009	mg
Die	0.7	mg	Supplier	Silicon (Si)	7440-21-3		0.6541	mg
			В	Nickel (Ni)	7440-02-0		0.0081	mg
			Supplier	Lead Bisilicate	65997-18-4	7c	0.0378	mg
Die Attach Solder	1.7101	mg	Supplier	Silver (Ag)	7440-22-4		0.0428	mg
			A	Lead (Pb)	7439-92-1	7a	1.5818	mg
			Supplier	Tin (Sn)	7440-31-5		0.0855	mg
Lead Frame	10.67	mg	Supplier	Iron (Fe)	7439-89-6		0.0107	mg
			Supplier	Copper (Cu)	7440-50-8		10.6561	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0032	mg
Mold Compound-Black	18.4	mg	Supplier	(10-(2,5-Dihydroxyphenyl)-10H-9-oxa- 10-phospha-phenantbrene-10-oxide)	99208-50-1		0.276	mg
			Supplier	Carbon Black (C)	1333-86-4		0.092	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.276	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		13.8	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		2.576	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		1.38	mg
Plating	0.2	mg	Supplier	Tin (Sn)	7440-31-5		0.2	mg