IPC ASSOCIATION ELECTRONIC	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under international and Pan-American copyright conventions.		nder both le	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with low 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 Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				Materials and	ials and Mfg Information				
Supplie	r Information														
Company name* Company unique ID				ique ID	e ID Unique ID		Inique ID Auth	ue ID Authority			Resp	Response Date*			
nsemi										2025-	2025-06-08				
Contact N	Vame	Title - Contact			P	Phone - Contact*				Emai	Email - Contact*				
Product-l	Env-Stewards	Product Enviro Compliance			N	NA				Prod	Product-Env-Stewards@onsemi.com				
uthorize	ed Representative*	Title - Representative			P	Phone - Representative*				Emai	Email - Representative*				
Product-	Env-Stewards	Product Env	Product Enviro Compliance			NA				Prod	Product-Env-Stewards@onsemi.com				
	Requester Item Number Mfr Iter		n Number Mfr Item Name				Effective Date	te Version Manufacturing Site		ite	Weight*	UOM	Unit Type		
		ES1B UFR SMA PN 1A 1		100V	:	2025-06-08	PANJITFG			67.9	mg	Each			
Ianufa	acturing Process Inform							•					·	·	
	· · ·		•		-STD-020 MSL F	Rating	Peak Process Body Temperat			1			ber of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy			1	1 26			C 30		sec	seconds 3					
omments															
<u>vel 1 - m</u>	naximum time at peak tempera	ture during so	ldering is 10-3	30 seconds											
or more	information regarding materia	al 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).										
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 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 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 the supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.										
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
Die	0.764	mg	Supplier	Silicon (Si)	7440-21-3		0.6876	mg
			В	Nickel (Ni)	7440-02-0		0.005	mg
			Supplier	Gold (Au)	7440-57-5		0.0011	mg
			Supplier	Lead Bisilicate	65997-18-4	7c	0.0703	mg
Die Attach Solder	2.25	mg	Supplier	Silver (Ag)	7440-22-4		0.0563	mg
			A	Lead (Pb)	7439-92-1	7a	2.0812	mg
			Supplier	Tin (Sn)	7440-31-5		0.1125	mg
Lead Frame	27.5903	mg	Supplier	Iron (Fe)	7439-89-6		0.0331	mg
			Supplier	Copper (Cu)	7440-50-8		27.5489	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0083	mg
Mold Compound-Black	36.69	mg		Metal Hydroxide	proprietary data		1.2842	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		2.9352	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1834	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		29.352	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		2.9352	mg
Plating	0.6057	mg	Supplier	Tin (Sn)	7440-31-5		0.6057	mg