IPC ASSOCIATION ELECTRONIE	© Copyright 200	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			nder both	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 Typhttp://www.ipc.org/IPC-175x Distribute				:	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information			
Supplie	r Information														
Company name* Company			Company uni	npany unique ID			Unique ID Authority				Re	Response Date*			
nsemi											20	2023-06-08			
Contact N	Name		Title - Contact			I	Phone - Contact*				Eı	Email - Contact*			
Product-	Env-Stewards		Product Enviro Compliance			]	NA				P	Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*		Title - Representative			I	Phone - Representative*				Eı	Email - Representative*			
Product-	Env-Stewards		Product Enviro Compliance			1	NA				P	Product-Env-Stewards@onsemi.com			
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Date	Versi	ion N	Manufacturing Site		Weight*	UOM	Unit Type	
		FODM3053R2-NF098 4SO RP TRIAC T&I		'&R		2023-06-08	LITEONFG			74.91	mg	Each			
Ianufa	ncturing Process Infor							·				,			
	8		,		-STD-020 MSL	Rating			<del></del>	ture Max Time at Peak Tempe		r	umber of Reflow Cy	ycles	
	Matte Tin (Sn) - annealed		CU Alloy	1			260		C	30		seconds 3			
omments															
	naximum time at peak tempe														
r more	information regarding mate	erial composition	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	led						
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), Diisobutyl phthalate (DIBP).											
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 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 Standard Terms and Conditions of Sale applicable to such part shall apply.											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	ceptance *	Accepted						
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recruired by the						
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	the declaration (if required by the						

## **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
Coupling Gel	1.0	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		0.45	mg
			Supplier	Dimethyl Cyclosiloxanes	69430-24-6		0.1	mg
			Supplier	Trimethoxy(methyl)silane (C4H12O3Si)	1185-55-3		0.45	mg
Die	0.237	mg	В	Gallium Arsenide (AsGa)	1303-00-0		0.077	mg
			Supplier	Silicon (Si)	7440-21-3		0.16	mg
Die Attach	0.17	mg	Supplier	Silver (Ag)	7440-22-4		0.1326	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.0374	mg
Lead Frame	22.5	mg	Supplier	Silver (Ag)	7440-22-4		0.0022	mg
			Supplier	Zinc (Zn)	7440-66-6		0.027	mg
			Supplier	Iron (Fe)	7439-89-6		0.5175	mg
			Supplier	Copper (Cu)	7440-50-8		21.9465	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0067	mg
Mold Compound-Black	27.9	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		3.627	mg
			Supplier	Carbon Black (C)	1333-86-4		0.279	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		2.511	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		19.53	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		1.953	mg
Mold Compound-White	21.1	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		4.22	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		14.77	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		2.11	mg
Plating	1.95	mg	Supplier	Tin (Sn)	7440-31-5		1.95	mg
Wire Bond - Au	0.053	mg	Supplier	Gold (Au)	7440-57-5		0.053	mg