IPC ASSOCIATION CONNI ELECTRONICS INDUS	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			der both le	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 Distribute				* Declaration Class * Class 6 - RoHS Yes/No. Homogeneous Materi				ials and Mfc Information				
upplier Info	ormation								,					
Company name*			Company unique ID			U	Unique ID Authority				Response Date*			
nsemi										2023-06-08				
Contact Name		Title - Contact			P	Phone - Contact*				Email - Contact*				
Product-Env-S	Stewards	Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com				
uthorized Rep	presentative*	Title - Representative			P	Phone - Representative*			Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
Requ	uester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	M	Manufacturing Site		Veight*	UOM	Unit Type
	FOD050LR2 SO8 3.		SO8 3.3V 1MB TR	SO8 3.3V 1MB TR T&R		2023-06-08		T	тнн		35.043	mg	Each	
	ing Process Informa		'arminal Daga	Alloy	STD-020 MSL F	Dating	Dook Proof	og Pody Ton	maratura	May Time at Book	Tamparatu	vo Numb	er of Reflow Cyc	das
		Terminal Base Alloy J-STD-02 CU Alloy 1		S1D-020 MSL F	Kating	Peak Process Body Tempera 260 C		•				er of Reflow Cyc	ries	
•	te 1111 (SII) - annealed	C	LU AHOY	1			200			30	second	ls 3		
omments	4: 4 1- 4 4			20 1-										
	um time at peak temperat													
r more inforn	mation regarding material	l composition	piease refer t	o page 3										

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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 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 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 of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	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											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	4.043	mg	В	Gallium Arsenide (AsGa)	1303-00-0		0.283	mg
			Supplier	Silicon (Si)	7440-21-3		3.76	mg
Die Attach	0.25	mg		Hardener	proprietary data		0.0125	mg
			Supplier	Silver (Ag)	7440-22-4		0.2188	mg
			Supplier	Dicyandiamine	461-58-5		0.0012	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.0175	mg
Lead Frame	28.246	mg	Supplier	Zinc (Zn)	7440-66-6		0.0339	mg
			Supplier	Iron (Fe)	7439-89-6		0.6638	mg
			Supplier	Copper (Cu)	7440-50-8		27.5399	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0085	mg
Mold Compound-White	92.49	mg		Epoxy resin	proprietary data		12.4861	mg
			Supplier	Phenol Resin	Proprietary Data		5.0869	mg
			Supplier	Titanium Dioxide (TiO2)	13463-67-7		23.1225	mg
			В	Brominated Bisphenol A Diglycidyl Ethe	er 40039-93-8		2.7747	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		2.7747	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		46.245	mg
Plating	0.554	mg	Supplier	Silver (Ag)	7440-22-4		0.0085	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0198	mg
			В	Nickel (Ni)	7440-02-0		0.5144	mg
			Supplier	Gold (Au)	7440-57-5		0.0113	mg
Protective Coating	9.1	mg	Supplier	Poly(dimethylsiloxane), hydroxy terminated	70131-67-8		4.55	mg
			Supplier	Ethylbenzene	100-41-4		0.91	mg
			Supplier	Filler (SiO2)	68909-20-6		1.729	mg
			Supplier	Misc.	Proprietary Data		0.091	mg
			Supplier	Xylene	1330-20-7		1.82	mg
Wire Bond - Au	0.36	mg	Supplier	Gold (Au)	7440-57-5		0.36	mg