ASSOCIATION ELECTRONICS	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.										
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 Materi					aterials and	ials and Mfg Information				
Supplier	Information															
Company name* Company unic				ique ID [Unique ID Authority					Response Date*				
onsemi											2023-	2023-06-08				
Contact Na	ame	Title - Contact				Phone - Contact*				Emai	Email - Contact*					
Product-E	Inv-Stewards	Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com					
Authorized	l Representative*	Title - Representative]	Phone - Representative*				Emai	Email - Representative*					
Product-E	Inv-Stewards	Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Da	Date Version Manufacturing Site		e	Weight*	* UC	OM	Unit Type		
		FOD8314 S0		SO6 1A GD			2023-06-08 TH		ТНН		203.109	mg	3	Each		
Manufac	cturing Proccess Informa	ntion		,				,				,	1			
	Terminal Plating / Grid Array Material Te			Terminal Base Alloy J-STD-020 MSI			Peak Process Body Temperature		ure Max Time at	Peak Tempe	rature N	umber of Re	eflow Cycles	3		
Matte Tin (Sn) - annealed CU Alloy			1			260		C	30	sec	onds 3					
Comments																
evel 1 - ma	aximum time at peak temperat	ure during sol	dering is 10-3	0 seconds												
or more i	nformation regarding material	composition	please refer to	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).											
cadmium, hexavalentchromium, polybromin contains a RoHS restricted substance inexce encompass all such components. Supplier cet as of the date that Supplier completes this Company acknowledges that Supplier may hindependently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated diphess of an applicable quantity limit, please indriffes that it gathered the information it provom. Supplier acknowledges that Company wave relied on informationprovided by others of the supplier agrees that, at a minimusy and the Supplier enter into a written agree yesource of the Supplier's liability and the C	enyl ethers (each a "RoHS restricted substan licate below which, if any, RoHS exemption vides in this form using appropriate methods vill rely on this certification in determining the s in completing this form, and that Supplier um, itssuppliers have provided certifications ement with respect to the identified part, the tompany's remedies for issues that arise rega	s of the European Union member states) of the ce") in excess of the applicable quantity limit is you believe may apply. If the part is an assemb to ensure its accuracy and that such informatio e compliance of its products with European Ur may not have independently verified such infor regarding their contributions to the part, and the erms and conditions of that agreement, including information the Supplier provides in this	dentified above. If a ally with lower level in is true and correct tion member state la mation. However, in ose certifications are ag any warranty righ	homogeneous material within the part components, the declaration shall to the best of its knowledge and belief, was that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the lats and/or remedies provided as part of						
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
Coupling Gel	0.37	mg	Supplier	Filler (SiO2)	68909-20-6		0.074	mg
			Supplier	Dimethyl Siloxane	68083-19-2		0.296	mg
Die	0.099	mg	В	Gallium Arsenide (AsGa)	1303-00-0		0.033	mg
			Supplier	Silicon (Si)	7440-21-3		0.066	mg
Die Attach	0.092	mg	Supplier	Silver (Ag)	7440-22-4		0.0754	mg
			Supplier	Dicyandiamine	461-58-5		0.0009	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0156	mg
Lead Frame	35.26	mg	Supplier	Silver (Ag)	7440-22-4		0.1763	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0317	mg
			Supplier	Iron (Fe)	7439-89-6		0.7405	mg
			Supplier	Copper (Cu)	7440-50-8		34.2798	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0317	mg
Mold Compound-Black	125.09	mg	В	Brominated Bisphenol A Diglycidyl Ether	r 40039-93-8		2.5018	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		1.8763	mg
			Supplier	Carbon Black (C)	1333-86-4		0.6254	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		88.8139	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		21.8907	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		9.3818	mg
Mold Compound-White	39.44	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		7.888	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		27.608	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		3.944	mg
Plating	0.36	mg	Supplier	Tin (Sn)	7440-31-5		0.36	mg
Wire Bond - Au	2.398	mg	Supplier	Gold (Au)	7440-57-5		2.398	mg