ASSOCIATION CONNECTED ELECTRONICS INDUST	© Copyright 2005, IPC	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 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				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater						als and Mfg	Informat	tion	
Supplier Info	rmation														
Company name*			Company unique ID			τ	Unique ID Authority					Response Date*			
nsemi												2023-06-08			
Contact Name		Title - Contact			F	Phone - Contact*					Email - Contact*				
Product-Env-Ste	wards	Product Enviro Compliance			1	NA					Product-Env-Stewards@onsemi.com				
Authorized Repr	esentative*	Title - Representative			I	Phone - Representative*				Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			]	NA				Product-Env-Stewards@onsemi.com				
Reque	ester Item Number	Mfr Iten	Item Number Mfr Item Name				Effective Date	Version	Version Manufacturing Site		W	eight*	UOM	Unit Type	
		FODM8801B		BV 4SO HI-T TR VDE			2023-06-08	023-06-08 THH			74.267 mg		mg	Each	
<b>Ianufacturin</b>	g Proccess Informatio	on													
Termin	l Plating / Grid Array Material		Terminal Base Alloy		J-STD-020 MS	SL Rating Peak I		rocess Body Temperature Max Time at P		e at Peak	k Temperature Numb		ımber of Reflow Cycles		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			CU Alloy 1		1		245		C 30			second	3		
Comments			· · · · · · · · · · · · · · · · · · ·												
vel 1 - maximur	n time at peak temperature	during so	ldering is 10-3	30 seconds											
or more inform	ation regarding material co	mposition	please refer to	page 3										<u> </u>	

RoHS Material Composition Declaration			Declaration Type *	Detail	ed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		ium (Cr6+), Polybrominated Biphenyls (PB)	erial for Cadmium and quantity limit of 0.1% b B), Polybrominated Diphenyl Ethers (PBDE), a		
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 applicable exemptions.	contain RoHS restricted substances per t	he definition above except for defined Rol	IS exemptions, then select the corresponding	response in the R	oHS Declaration above and choose all
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).

<b>Homogeneous Material</b>	mogeneous Material Weight Unit of Measure Level Substance		Substance	CAS	Exempt	Weight	Unit of Measure	
Die	0.267	mg	В	Gallium Arsenide (AsGa)	1303-00-0		0.0864	mg
1			Supplier	Silicon (Si)	7440-21-3		0.1754	mg
			Supplier	Aluminum (Al)	7429-90-5		0.0052	mg
Die Attach	0.25	mg	Supplier	Silver (Ag)	7440-22-4		0.205	mg
			Supplier	Dicyandiamine	461-58-5		0.0025	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0425	mg
Lead Frame	24.951	mg	Supplier	Silver (Ag)	7440-22-4		1.28	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0449	mg
			Supplier	Iron (Fe)	7439-89-6		0.6138	mg
			Supplier	Copper (Cu)	7440-50-8		22.9774	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0349	mg
Mold Compound-White	45.0	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		11.25	mg
			В	Brominated Bisphenol A Diglycidyl Ether	40039-93-8		1.35	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		6.075	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		1.35	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		22.5	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		2.475	mg
Plating	0.239	mg	Supplier	Palladium (Pd)	7440-05-3		0.0095	mg
			В	Nickel (Ni)	7440-02-0		0.2238	mg
			Supplier	Gold (Au)	7440-57-5		0.0057	mg
Protective Coating	3.4	mg	Supplier	Poly(dimethylsiloxane), hydroxy terminated	70131-67-8		1.7	mg
			Supplier	Ethylbenzene	100-41-4		0.34	mg
			Supplier	Filler (SiO2)	68909-20-6		0.646	mg
			Supplier	Misc.	Proprietary Data		0.034	mg
			Supplier	Xylene	1330-20-7		0.68	mg
Wire Bond - Au	0.16	mg	Supplier	Gold (Au)	7440-57-5		0.16	mg