© C	terial Compositi opyright 2005. IPC, E rnational and Pan-Am	Bannockbi	urn, Illinois. A	ll rights reserved untions.	inder both	This docume level parts, th	ent is a decla he declaratio	ration of	of the substat mpasses all l	nces wi lower le	thin the manufa evel materials fo	cturer listed or which the	item. I manuf	Note: if the second sec	he item is an as as engineering	sembly with lower responsibility.	
	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					aterials and N	ials and Mfg Information					
Supplier Information	I																
Company name*			Company unique ID			Unique ID Authority					Respor	Response Date*					
onsemi												2023-0	2023-06-08				
Contact Name		Title - Contact			]	Phone - Contact*					Email	Email - Contact*					
Product-Env-Stewards		Product Enviro Compliance				NA					Produ	Product-Env-Stewards@onsemi.com					
Authorized Representative*			Title - Representative			Phone - Representative*				Email	Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance				NA					Produ	Product-Env-Stewards@onsemi.com				
Requester Item	Requester Item Number Mfr Item Nu   LM2901DTF		m Number Mfr Item Name				Effective D	ate V	rsion	sion Manufacturing Site		e	Weig	ht*	UOM	Unit Type	
			OTBR2G	ANA SNGL SUP COMPT QUD			2023-06-08 CNW			51.764		mg	Each				
Manufacturing Proce	cess Information							1		1	-		1		1	1	
Terminal Plating	Terminal Plating / Grid Array Material		erminal Base A	minal Base Alloy J-ST		L Rating	Peak P	k Process Body Temperature Max Time		Max Time at P	eak Temperature Nu		Number	of Reflow Cyc	eles		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			CU Alloy 1		1		260		С		30		nds	3			
Comments																	
evel 1 - maximum time at	peak temperature d	uring sole	dering is 10-3	0 seconds													
or more information rega	arding material com	position p	please refer to	page 3													

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(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), Disobutyl phthalate (DIBP).											
cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe y others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and cc for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of							
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	ances per the definitio	on above	Supplier Acceptance	* Accepted							
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all							
Exemption List Version	EL-2011/534/EU											
Declaration Signature												
Instructions: Complete all of the required fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the							
Supplier Digital Signature Ra	stislav Drska	Le										

## 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	1.476	mg	Supplier	Silicon (Si)	7440-21-3		1.476	mg
Die Attach	0.191	mg		Epoxy resin	proprietary data		0.0439	mg
			Supplier	Silver (Ag)	7440-22-4		0.1471	mg
Lead Frame	14.903	mg	Supplier	Silver (Ag)	7440-22-4		0.6796	mg
			Supplier	Magnesium (Mg)	7439-95-4		0.0209	mg
			Supplier	Silicon (Si)	7440-21-3		0.0924	mg
			В	Nickel (Ni)	7440-02-0		0.4262	mg
			Supplier	Copper (Cu)	7440-50-8		13.6839	mg
Mold Compound-Black	34.856	mg		Epoxy resin	proprietary data		1.7428	mg
			Supplier	Phenol Resin	Proprietary Data		1.3942	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.4856	mg
			Supplier	Carbon Black (C)	1333-86-4		0.3486	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		27.8848	mg
lating	0.239	mg	Supplier	Tin (Sn)	7440-31-5		0.239	mg
Wire Bond	0.099	mg	Supplier	Palladium (Pd)	7440-05-3		0.002	mg
			Supplier	Copper (Cu)	7440-50-8		0.097	mg

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).