©	Aterial Composit Copyright 2005. IPC, 1 International and Pan-An	Bannockb	urn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a decla he declaratio	aration on enco	of the subst ompasses al	tances v 1 lower	vithin the level mat	manufactu erials for w	rer listed i hich the r	item. N nanufa	Note: if tl acturer h	he item is an as as engineering	ssembly with low responsibility.
	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 Mater					als and Mfg Information						
Supplier Information	on																
Company name*			Company unique ID			1	Unique ID Authority					Respon	Response Date*				
onsemi										2023-06	2023-06-08						
Contact Name	Title - Contact]	Phone - Contact*					Email -	Email - Contact*						
Product-Env-Stewards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com							
Authorized Representative*			Title - Representative]	Phone - Representative*					Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com						
Requester Ite	Requester Item Number Mfr Item ESD7481		Number Mfr Item Name				Effective D	Date V	Version Manufacturing Site		Weight*		nt*	UOM	Unit Type		
				UT5G Low Cap bi-directional ESD protection in 0201 DFN			2023-06-08	3-06-08		0.2847		mg	Each				
Manufacturing Pro	occess Information	l						·									
Terminal Plati	Terminal Plating / Grid Array Material		erminal Base A	lloy J-STD-020 MSL F		L Rating	Peak Process		Body Temp	Body Temperature Max Time at		me at Peak	k Temperature Num		Number	Sumber of Reflow Cycles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			U Alloy	lloy 1			260		C	C 30			secor	nds	3		
Comments																	
evel 1 - maximum time	at peak temperature d	uring sol	dering is 10-3	0 seconds													
or more information re	egarding material com	position j	olease refer to	page 3													

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	ding RoHS 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, 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 co 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	0.024	mg	Supplier	Silicon (Si)	7440-21-3		0.024	mg
Die Attach	0.0378	mg	Supplier	Silver (Ag)	7440-22-4		0.0283	mg
			Supplier	Epoxy resins	129915-35-1		0.0094	mg
Lead Frame	0.1083	mg	Supplier	Tin (Sn)	7440-31-5		0.0003	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0002	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0003	mg
			Supplier	Copper (Cu)	7440-50-8		0.1075	mg
Mold Compound-Black	0.0828	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.0066	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0004	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.0017	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.0716	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0025	mg
Plating	0.0269	mg	Supplier	Palladium (Pd)	7440-05-3		0.0025	mg
			В	Nickel (Ni)	7440-02-0		0.0243	mg
			Supplier	Gold (Au)	7440-57-5		0.0001	mg
Wire Bond - Au	0.0049	mg	Supplier	Gold (Au)	7440-57-5		0.0049	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).