© Cot	erial Compositi pyright 2005. IPC, E ational and Pan-Am	Bannockbi	urn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a decla he declaratio	aration o on encor	of the subst mpasses al	tances w ll lower l	thin the manufa evel materials fo	cturer listed r which the	item. N manufa	Note: if the acturer has	e item is an ass s engineering r	embly with lowe esponsibility.
	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					terials and N	als and Mfg Information				
Supplier Information																
Company name*			Company unique ID			Unique ID Authority					Respo	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 N	Requester Item Number Mfr Item NB7L141						Effective D	fective Date Version Manufacturing Site			Weigh	nt*	UOM	Unit Type		
							2023-06-08 MY1			23.06		mg	Each			
Manufacturing Procce	ss Information									I						
Terminal Plating / Grid Array Material		1 Te	erminal Base Alloy J-ST		J-STD-020 MS	L Rating	Peak P	Peak Process Body Temperate		perature	ure Max Time at Peak Temp		mperature Number of Reflow Cycl		es	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)) (no C	CU Alloy 1		1		260		C	2	30 sec		seconds 3			
Comments																
evel 1 - maximum time at p	eak temperature di	uring sole	dering is 10-3	0 seconds												
or more information regar	ding material com	position p	olease refer to	page 3												

RoHS Material Composition Declaration				Declaration Type *	Detailed							
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, 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	0.25	mg	Supplier	Silicon (Si)	7440-21-3		0.25	mg
Die Attach	0.65	mg	Supplier	Silver (Ag)	7440-22-4		0.4875	mg
			Supplier	Epoxy resins	129915-35-1		0.1625	mg
Lead Frame	9.38	mg	Supplier	Tin (Sn)	7440-31-5		0.0235	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0206	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0235	mg
			Supplier	Copper (Cu)	7440-50-8		9.3125	mg
Mold Compound-Black	12.09	mg		Epoxy resin	proprietary data		0.5682	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		1.209	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0121	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		9.7325	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.5682	mg
Plating	0.55	mg	Supplier	Palladium (Pd)	7440-05-3		0.0132	mg
			В	Nickel (Ni)	7440-02-0		0.484	mg
			Supplier	Gold (Au)	7440-57-5		0.0528	mg
Vire Bond - Au	0.14	mg	Supplier	Gold (Au)	7440-57-5		0.14	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).