ABSOCIATION CONNECTING LECTRONICS INDUSTRIES® Material Composition © Copyright 2005. IPC, international and Pan-Am	Bannockb	urn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a decla he declaratio	ration of on encom	the substance passes all lo	es with wer lev	hin the manufacture rel materials for wh	er listed it nich the m	em. Note: anufactur	if the item is er has engine	an assembly with low ering responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					als and Mfg Information				
Supplier Information															
Company name*	Company unique ID			Unique ID Authority					Response Date*						
onsemi											2023-06-08				
Contact Name	ct I			Phone - Contact*					Email - Contact*						
Product-Env-Stewards	Product Envi	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 Item Number	Mfr Item Number		Mfr Item Name			Effective D	late Ve	ersion	Man	Manufacturing Site		Weight*	UOM	Unit Type	
	74VHC2	4VHC273MTCX OCTAL D F		LIP-FLOP W/CLR		2023-06-08	3		PH4	PH4		3.596	mg	Each	
Manufacturing Proccess Information	n						1		1				I	1	
Terminal Plating / Grid Array Materi	al T	Terminal Base Alloy		J-STD-020 MS	L Rating	Peak Process Body Ter		ody Tempera	perature Max Time at Peak		Temperature Number of		nber of Reflov	w Cycles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		С		<b>30</b> se		seconds 3			
Comments															
evel 1 - maximum time at peak temperature	during sol	dering is 10-3	0 seconds												
for more information regarding material con	position	please 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), 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 v 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	1.25	mg	Supplier	Silicon (Si)	7440-21-3		1.25	mg
Die Attach	0.136	mg	Supplier	Ethylene glycol dicyclopentenyl ether methacrylate	68586-19-6		0.0048	mg
			Supplier	Bis(a,a-dimethylbenzyl) Peroxide	80-43-3		0.0009	mg
			Supplier	Silver (Ag)	7440-22-4		0.1304	mg
Lead Frame	30.624	mg	Supplier	Magnesium (Mg)	7439-95-4		0.0459	mg
			Supplier	Silicon (Si)	7440-21-3		0.1991	mg
			В	Nickel (Ni)	7440-02-0		0.9187	mg
			Supplier	Copper (Cu)	7440-50-8		29.4603	mg
Mold Compound-Black	40.867	mg		Epoxy resin	proprietary data		3.8824	mg
			Supplier	Phenol Resin	Proprietary Data		2.0433	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2043	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		34.7369	mg
Plating	0.223	mg	Supplier	Palladium (Pd)	7440-05-3		0.006	mg
			В	Nickel (Ni)	7440-02-0		0.213	mg
			Supplier	Gold (Au)	7440-57-5		0.004	mg
Wire Bond - Au	0.496	mg	Supplier	Gold (Au)	7440-57-5		0.496	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).