ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES® MAterial Comp © Copyright 2005. 1 international and Par	PC, Bannock	burn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declar the declaration	ration o n encor	of the substand npasses all lo	ces with wer leve	in the manufac el materials for	cturer listed i r which the n	tem. No nanufac	ote: if the turer has	e item is an as s engineering	sembly with low 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					terials and M	ials and Mfg Information				
upplier Information																
Company name*	Company un	Company unique ID			Unique ID Authority					Respons	Response Date*					
onsemi											2023-06	2023-06-08				
Contact Name Title - Contact					Phone - Contact*					Email -	Email - Contact*					
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA					Produc	Product-Env-Stewards@onsemi.com					
Authorized Representative* Title			Title - Representative			Phone - Representative*				Email -	Email - Representative*					
Product-Env-Stewards	Product Enviro Compliance				NA				Produc	Product-Env-Stewards@onsemi.com						
Requester Item Number	ester Item Number Mfr Item N		Number Mfr Item Name			Effective Date Version Manufacturing Sit		facturing Site	•	Weight	*	UOM	Unit Type			
	74VCX	74VCX16245MTDX LV 16-		LV 16-Bit Bi-Direct Xcvr		2023-06-08			PH4	PH4		191.762	2	mg	Each	
Ianufacturing Proccess Informa	tion														ł	
Terminal Plating / Grid Array Ma	aterial	Terminal Base	Alloy	J-STD-020 MSL Rati		Peak Process Bo		Body Tempera	ody Temperature Max Time at Peak		ak Temperat	Temperature Numbe		of Reflow Cyc	les	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		U Alloy 2		2		260		C	3	30		ds 3				
omments																
TTENTION: MSL 2 Rated item require	s Dry Pack (	after electrical	test)													
or more information regarding material	composition	please refer to	page 3										-			

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	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 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 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	2.3	2.3 mg St		Silicon (Si)	7440-21-3		2.3	mg	
Die Attach	0.272	mg	Supplier	Ethylene glycol dicyclopentenyl ether methacrylate	68586-19-6		0.0095	mg	
			Supplier	Bis(a,a-dimethylbenzyl) Peroxide	80-43-3		0.0018	mg	
			Supplier	Silver (Ag)	7440-22-4		0.2607	mg	
Lead Frame	70.195	mg	Supplier	Zinc (Zn)	7440-66-6		0.0842	mg	
			Supplier	Iron (Fe)	7439-89-6		1.6496	mg	
			Supplier	Copper (Cu)	7440-50-8		68.4401	mg	
			Supplier	Phosphorus (P)	7723-14-0		0.0211	mg	
Mold Compound-Black	111.1	mg		Epoxy resin	proprietary data		11.11	mg	
			Supplier	Phenol Resin	Proprietary Data		5.2217	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.3333	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		94.435	mg	
Plating	6.705	mg	Supplier	Palladium (Pd)	7440-05-3		0.2286	mg	
		-	В	Nickel (Ni)	7440-02-0		6.3999	mg	
			Supplier	Gold (Au)	7440-57-5		0.0764	mg	
Wire Bond - Au	1.19	mg	Supplier	Gold (Au)	7440-57-5		1.19	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).