ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INFORMATION CONNECTING	PC, Bannock	burn, Illinois. A	Il rights reserved untions.	inder both	This docume level parts, t	ent is a declaration	ation of n encom	the substance the substance passes all low	s within th er level m	e manufactu aterials for w	rer listed ite which the m	em. Note: anufactur	: if the item is an as er has engineering	ssembly with low 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					ials and Mfg Information				
upplier Information															
'ompany name*	Company unique ID				Unique ID Authority					Response Date*					
onsemi											2023-06-	2023-06-08			
			Fitle - Contact			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 Iter	Mfr Item Number Mfr Item Name   74VCX16245MTD LV 16-Bit Bi-Direct		Mfr Item Name LV 16-Bit Bi-Direct Xcvr		Effective Da	ate Ve	Version Manufacturing Site		uring Site	V	Veight*	UOM	Unit Type	
	74VCX					2023-06-08 PH4		191.76		91.762	mg	Each			
Ianufacturing Proccess Informa	tion						•						I		
Terminal Plating / Grid Array M	aterial	Terminal Base	Alloy	J-STD-020 MSL Rating		Peak Process Body Ten		ody Temperat	erature Max Time at Peak		Temperatu	Temperature Number of Reflow Cycles		cles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 2		2		260		C	30		second	seconds 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 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	mg	Supplier	Silicon (Si)	7440-21-3		2.3	mg
Die Attach	0.272	mg	Supplier	Silver (Ag)	7440-22-4		0.2013	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.0707	mg
Lead Frame	70.195	mg	Supplier	Silver (Ag)	7440-22-4		0.324	mg
			Supplier	Magnesium (Mg)	7439-95-4		0.105	mg
			Supplier	Silicon (Si)	7440-21-3		0.456	mg
			В	Nickel (Ni)	7440-02-0		2.11	mg
			Supplier	Copper (Cu)	7440-50-8		67.2	mg
Mold Compound-Black	111.1	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		11.11	mg
			Supplier	Carbon Black (C)	1333-86-4		1.111	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		98.879	mg
Plating	6.705	mg	Supplier	Palladium (Pd)	7440-05-3		0.188	mg
			В	Nickel (Ni)	7440-02-0		6.39	mg
			Supplier	Gold (Au)	7440-57-5		0.127	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).