PC SOCIATION CONNECTING COPyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.					This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
	IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Distr								ials and M	als and Mfg Information				
Supplier Information														
Company name*	Company unique ID			1	Unique ID Authority					Response Date*				
onsemi										2023-06-08				
Contact Name	ntact Name Title - Contact				Phone - Contact*				Email -	Email - Contact*				
Product-Env-Stewards Pro-			Product Enviro Compliance			NA				Produc	Product-Env-Stewards@onsemi.com			
Authorized Representative* Titl			Title - Representative			Phone - Representative*			Email -	Email - Representative*				
Product-Env-Stewards	Product Enviro Compliance				NA				Produc	Product-Env-Stewards@onsemi.com				
Requester Item Number	Mfr Iten	Number Mfr Item Name				Effective Date	Version		Manufacturing Site		Weight*	UOM	Unit Type	
	NCP163	NCP163BFCT180T2G CSP LDO 250 mA, High PSRR, Non-A				2023-06-08		CNQ			0.313731	mg	Each	
Manufacturing Proccess Informa	tion													
Terminal Plating / Grid Array M	Terminal Plating / Grid Array Material Terminal Base Alloy J		J-STD-020 MSL I	Rating	Peak Proc	ess Body T	emperatu	re Max Time at Peal	k Tempera	ture Numb	er of Reflow Cy	cles		
Matte Tin (Sn) - annealed CU Alloy		1		260		С	30	secor	nds 3					
Comments														
level 1 - maximum time at peak temperat	ure during so	ldering is 10-3	0 seconds											
For 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), Dibutyl 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 contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.											
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.

	cable [E] enter the weight			ance category (JIG or Requester) or ([F] Optionally enter the positive (+)				
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Bump	0.0438	mg	Supplier	Tin (Sn)	7440-31-5		0.0108	mg
			Supplier	Copper (Cu)	7440-50-8		0.033	mg
Die	0.24779	mg	Supplier	Silicon (Si)	7440-21-3		0.2464	mg
			Supplier	Aluminum (Al)	7429-90-5		0.0014	mg
Protection coat	0.00637	mg		Polyimide	proprietary data		0.0064	mg
Under Bump Metal	0.015771	mg	Supplier	Titanium (Ti)	7440-32-6		0.0003	mg
		-	Supplier	Copper (Cu)	7440-50-8		0.0155	mg