IPC ASSOCIATION ELECTRONIC		Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			This de level p	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.								
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Typhttp://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ials and Mfg Information			
Supplie	r Information													
Company name* Company uniq				que ID		Uniq	Unique ID Authority				Response Date*			
nsemi											2023-06-08			
Contact N	lame		Title - Contact			Phor	Phone - Contact*				Email - Contact*			
Product-l	Env-Stewards		Product Enviro Compliance			NA	NA				Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*		Title - Representative			Phor	Phone - Representative*				Email - Representative*			
Product-	Env-Stewards		Product Enviro Compliance			NA	NA				Product-Env-Stewards@onsemi.com			
	Requester Item Number Mfr Item		Number Mfr Item Name			Effe	ective Date	Version	Manufacturing Site		1	Weight*	UOM	Unit Type
		NCP161	NCP161BFCT450T2G CSP LDO 450mA, 1		Non-Active Discharg	ge 202	23-06-08		CNQ		(0.2662	mg	Each
I anufa	acturing Process Info								·					·
	8		•		STD-020 MSL Rating	g	Peak Process Body Temperatu		•	Max Time at Peak	Temperat	ure Numbe	er of Reflow Cyc	eles
Matte Tin (Sn) - annealed			CU Alloy 1				260 C 30				seconds 3			
omments														
vel 1 - m	naximum time at peak temp	erature during so	ldering is 10-3	0 seconds										
or more	information regarding mat	erial composition	please refer to	page 3										

RoHS Material Composition Declaration			Declaration Type *	Detail	led						
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 (DBP), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP).											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on informationprovided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Sta											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	ceptance *	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											
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recruired by the						
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	the declaration (if required by the						

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.

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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Bump	0.02444	mg	Supplier	Tin (Sn)	7440-31-5		0.0244	mg
Die	0.21966	mg	Supplier	Silicon (Si)	7440-21-3		0.2197	mg
Protection coat	0.0059	mg		Polyimide	proprietary data		0.0059	mg
RDL Sputter	4.3E-4	mg	Supplier	Titanium (Ti)	7440-32-6		0	mg
			Supplier	Copper (Cu)	7440-50-8		0.0004	mg
UBM/RDL PCu	0.01527	mg	Supplier	Copper (Cu)	7440-50-8		0.0153	mg
UBM Sputter	5.0E-4	mg	Supplier	Titanium (Ti)	7440-32-6		0.0001	mg
			Supplier	Copper (Cu)	7440-50-8		0.0004	mg