IPC ASSOCIATION ELECTRONICS	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			der both This d	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lowe 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 Typ http://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ials and Mfg Information			
upplier	Information													
Company name* Company unique I				ue ID Unique ID A		que ID Autho	ue ID Authority R			Response	Response Date*			
nsemi											2023-06-08			
Contact Na	ıme		Title - Contact			Pho	Phone - Contact*				Email - Contact*			
Product-E	nv-Stewards		Product Enviro Compliance			NA	NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Rep				Representative			Phone - Representative*			Email - Representative*				
Product-E	nv-Stewards		Product Enviro Compliance			NA	NA				Product-Env-Stewards@onsemi.com			
	Requester Item Number	Mfr Item	Number	Mfr Item Name		Eff	fective Date	Version	N	Manufacturing Site		Veight*	UOM	Unit Type
		NCP161BFCT180T2G CSP LDO 450mA		CSP LDO 450mA,	Non-Active Dischar	ge 202	23-06-08	16-08 CNG		0	.2662	mg	Each	
	turing Proccess Inform					·								
	5 -			erminal Base Alloy J-STD-020 MSL Rating		g	Peak Process Body Temperature Max Time at Peak							
Matte Tin (Sn) - annealed CU Alloy 1					260		С	30	second	ls 3				
omments														
<u>vel 1 - ma</u>	ximum time at peak tempera	ture during sol	ldering is 10-3	0 seconds										
or more ir	nformation regarding materi	al composition	please refer to	page 3										

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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).											
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 information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its paragraph. If the Company and the Supplier shall apply 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 Standard Terms and Conditions of Sale applicable to such part shall apply.											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	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											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	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