© C	terial Compositi opyright 2005. IPC, E national and Pan-Am	Bannockb	urn, Illinois. A	ll rights reserved utions.	under both	This docume level parts, t	ent is a decla the declaration	aration on enc	of the sub ompasses a	ostances all lower	within the level mate	manufactur erials for w	er listed in hich the m	tem. N nanufa	ote: if th cturer ha	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				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater						als and Mfg Information					
Supplier Information	L																
Company name*	Company unique ID			Unique ID Authority					Response Date*								
onsemi										2023-06-08							
Contact Name			Title - Contact			Phone - Contact*					Email - Contact*						
Product-Env-Stewards			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	Requester Item Number Mfr Item Number   NCV8161BMX180TH G		n Number Mfr Item Name				Effective D	Date	Version Ma		Manufacturing Site			Weigh	t*	UOM	Unit Type
				XDFN4 HZ 1.8V LDO 450 mA, Ultra-Low Noise and High PSRR			2023-06-08 THB		1.434		1.434		mg	Each			
Manufacturing Proce	ess Information																
Terminal Plating	Terminal Plating / Grid Array Material		Ferminal Base Alloy J-S		J-STD-020 MSL	STD-020 MSL Rating		Peak Process Body Temperate		nperatur	ure Max Time at Peak Temper		Temperat	ure 1	Number	of Reflow Cyc	les
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		) (no C	CU Alloy 1		1		260		С		30		secon	ds 3	3		
Comments																	
vel 1 - maximum time at	peak temperature d	uring sol	dering is 10-3	0 seconds													
or more information rega	rding material com	position <b>j</b>	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 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 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 0.09 mg		mg	Supplier	Silicon (Si)	7440-21-3		0.09	mg	
Die Attach	0.13	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.0416	mg	
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.0884	mg	
Lead Frame	0.58	mg	Supplier	Tin (Sn)	7440-31-5		0.0014	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.0013	mg	
			Supplier	Chromium (Cr)	7440-47-3		0.0014	mg	
			Supplier	Copper (Cu)	7440-50-8		0.5758	mg	
Mold Compound-Black	0.6	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.048	mg	
		-	Supplier	Carbon Black (C)	1333-86-4		0.003	mg	
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.012	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		0.519	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.018	mg	
Plating	0.004	mg	Supplier	Palladium (Pd)	7440-05-3		0.0001	mg	
			В	Nickel (Ni)	7440-02-0		0.0035	mg	
			Supplier	Gold (Au)	7440-57-5		0.0004	mg	
Wire Bond - Au	0.03	mg	Supplier	Gold (Au)	7440-57-5		0.03	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).