00	aterial Composit Copyright 2005. IPC, I ernational and Pan-Am	Bannockb	urn, Illinois. A	ll rights reserved untions.	inder both	This docum level parts, t	ent is a declara he declaration	tion of the s encompasse	ubstances es all lower	within the manufactu r level materials for w	rer listed	item. Note: i manufacture	if the item is an as r has engineering	sembly with lower responsibility.	
					Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ials and N	als and Mfg Information			
Supplier Information	n														
Company name*			Company unique ID				Unique ID Authority				Respor	Response Date*			
onsemi											2023-0	2023-06-08			
Contact Name			Title - Contact				Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative				Phone - Representative*			Email	Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item	Requester Item Number Mfr Iten		m Number Mfr Item Name				Effective Date Version Manufacturing Sit		Manufacturing Site		Weight*	UOM	Unit Type		
		NCP81141MNTXG		Vr Controller			2023-06-08		F	PH1		45.91	mg	Each	
Manufacturing Proc	cess Information	l										1	I	I	
Terminal Plating / Grid Array Material		erminal Base Alloy J-STD-020 MS		L Rating	Peak Pro	Peak Process Body Temperat		ure Max Time at Peak Temp		ature Numl	ber of Reflow Cy	eles			
Matte Tin (Sn) - annealed CU			U Alloy	Alloy 1			260 C 30				seconds 3				
Comments															
level 1 - maximum time at	t peak temperature d	uring sol	dering is 10-3	0 seconds											
For more information reg	arding material com	position p	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), Disobutyl 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	3.28	mg	Supplier	Silicon (Si)	7440-21-3		3.28	mg	
Die Attach	0.6	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.12	mg	
			Supplier	Silver (Ag)	7440-22-4		0.48	mg	
Lead Frame	17.25	mg	Supplier	Silver (Ag)	7440-22-4		0.345	mg	
			Supplier	Iron (Fe)	7439-89-6		0.3795	mg	
			Supplier	Copper (Cu)	7440-50-8		16.5255	mg	
Mold Compound-Black	22.31	mg		Epoxy Phenol Resin	proprietary data		2.3425	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		19.9674	mg	
Plating	2.2	mg	Supplier	Tin (Sn)	7440-31-5		2.2	mg	
Wire Bond - Cu	0.27	mg	Supplier	Copper (Cu)	7440-50-8		0.27	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 (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 signa range of distribution unless otherwise noted)