© Copyright	Composition De 2005. IPC, Bannock and Pan-American of	burn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, th	ent is a declar he declaration	ration of t n encomp	the substances basses all low	within the er level ma	manufactur terials for w	er listed it hich the m	em. Not anufactu	e: if the iten urer has eng	n is an asso ineering re	embly with low sponsibility.
	IPC Web Site for Information on IPC-1752 Standard Form T http://www.ipc.org/IPC-175x Distribution				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					eous Materi	als and Mfg Information				
Supplier Information															
Company name*	Company un	Company unique ID			Unique ID Authority					Response Date*					
onsemi											2023-06-08				
Contact Name	Title - Conta	Title - Contact			Phone - Contact*					Email - Contact*					
Product-Env-Stewards	Product Envi	Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com					
uthorized Representative*	Title - Repre	Title - Representative			Phone - Representative*				Email - Representative*						
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
Requester Item Number	uester Item Number Mfr Iter		n Number Mfr Item Name			Effective Da	ate Ver	sion	Manufacturing Site		V	Veight*	UO	ЭM	Unit Type
	NCP81	NCP81162MNR2G		Current Balancing Phase Doubler		2023-06-08 PH1			23.36		mg	;	Each		
Manufacturing Proccess Inf	formation					1							1		
Terminal Plating / Grid A	nal Plating / Grid Array Material Terminal B		Alloy J	J-STD-020 MSL Rating		Peak Process Body Te		dy Temperatu	perature Max Time at Peak		Temperature Number		umber of Re	flow Cycle	s
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		C	30		seconds 3				
Comments															
evel 1 - maximum time at peak ter	nperature during s	oldering is 10-3	0 seconds												
or more information regarding m	naterial composition	please refer to	page 3												

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	CU (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 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 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.

Homogeneous Material Weight		Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	0.35	mg	Supplier	Silicon (Si)	7440-21-3		0.35	mg	
Die Attach	0.31	mg		Acrylate	proprietary data		0.0031	mg	
			Supplier	Bismaleimide Resin	105391-33-1		0.0001	mg	
			Supplier	Carbocyclic Acrylate	Proprietary Data		0.031	mg	
			Supplier	2-(3,4- Epoxycyclohexyl)ethyltrimethoxysilane	3388-04-3		0.0015	mg	
			Supplier	Silver (Ag)	7440-22-4		0.2743	mg	
Lead Frame	10.18	mg	Supplier	Tin (Sn)	7440-31-5		0.0255	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.0224	mg	
			Supplier	Chromium (Cr)	7440-47-3		0.0255	mg	
			Supplier	Copper (Cu)	7440-50-8		10.1067	mg	
Mold Compound-Black	12.09	mg		Epoxy resin	proprietary data		0.6045	mg	
			Supplier	Phenolic Resin	Proprietary Data		0.1209	mg	
			Supplier	Silica Amorphous (SiO2)	7631-86-9		1.8135	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0604	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		9.4907	mg	
Plating	0.36	mg	Supplier	Palladium (Pd)	7440-05-3		0.0274	mg	
			В	Nickel (Ni)	7440-02-0		0.3276	mg	
			Supplier	Gold (Au)	7440-57-5		0.005	mg	
Wire Bond	0.07	mg	Supplier	Palladium (Pd)	7440-05-3		0.0007	mg	
			Supplier	Copper (Cu)	7440-50-8		0.0693	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).