ASSOCIATION CONNECTION	Material Composi © Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn, Illinois. A	.ll rights reserved u ntions.	nder both	This docum level parts, t	ent is a declaration	ion of the s encompasse	ubstances es all lower	within the manufactur r level materials for w	rer listed	item. Note: i nanufacturer	f the item is an as r has engineering	ssembly with lower responsibility.	
1752-21.1	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 Materi					als and Mfg Information					
Supplier Inform	nation														
Company name*			Company unique ID				Unique ID Authority					Response Date*			
onsemi											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 - Representative*					
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Request	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	Version	N	Manufacturing Site		Weight*	UOM	Unit Type	
		NCP51199PDR2G 2A,DD		2A,DDR Memory	A,DDR Memory Terml Reg		2023-06-08		F	РН8		61.02	mg	Each	
Manufacturing	Proccess Information	n													
Terminal Plating / Grid Array Material Termi			erminal Base	ninal Base Alloy J-STD-020 MSI		L Rating	Peak Process Body Temperature		e Max Time at Peak	Max Time at Peak Tempera		perature Number of Reflow Cycles			
Matte Tin (Sn) - annealed CU Alloy			3	3		260		C	30	seco	nds 3				
Comments															
ATTENTION: MS	L 3 Rated item requires Ba	ake and D	ry Pack (after	electrical test)											
for more informat	ion regarding material con	nposition	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed			
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth				
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 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.

sigma range of distribution unless otherwise noted).										
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	0.4	mg	Supplier	Silver (Ag)	7440-22-4		0.3	mg		
			Supplier	Epoxy resins	129915-35-1		0.1	mg		
Lead Frame	29.69	mg	Supplier	Silver (Ag)	7440-22-4		0.6235	mg		
			Supplier	Zinc (Zn)	7440-66-6		0.0594	mg		
			Supplier	Iron (Fe)	7439-89-6		0.7423	mg		
			Supplier	Copper (Cu)	7440-50-8		28.2649	mg		
Mold Compound-Black	28.58	mg		Epoxy Phenol Resin	proprietary data		3.0009	mg		
			Supplier	Fused Silica (SiO2)	60676-86-0		25.5791	mg		
Plating	1.89	mg	Supplier	Tin (Sn)	7440-31-5		1.89	mg		
Wire Bond - Cu	0.11	mg	Supplier	Copper (Cu)	7440-50-8		0.11	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)