ASSOCIATION CONNECT	Material Composit © Copyright 2005. IPC, international and Pan-An	Bannockb	urn, Illinois. A	Il rights reserved u ntions.	nder both	This docum level parts,	ent is a declar the declaration	ation of the encompas	substances ses all lowe	s within the manufac er level materials for	turer listed which the	l item. Note: i manufacture	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					erials and I	als and Mfg Information				
Supplier Infor	mation														
Company name*			Company unique ID				Unique ID Authority					Response Date*			
onsemi											2023-0	2023-06-07			
Contact Name		Title - Contact				Phone - Contact*				Email	Email - Contact*				
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Repre	sentative*		Title - Representative				Phone - Representative*				Email	Email - Representative*			
Product-Env-Stev	wards		Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
Reques	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Da	te Versio	'n	Manufacturing Site		Weight*	UOM	Unit Type	
		NCP451AFCT2G 3A Low Ron Load Discharge Path		d Switch with A	Auto	2023-06-07		MY1			1.189	mg	Each		
Manufacturing	g Proccess Information	1													
Terminal Plating / Grid Array Material T			erminal Base Alloy J-STD-020 MS		L Rating	Peak Process Body Temperature Max Time		re Max Time at Pe	ak Temper	ature Numb	per of Reflow Cy	cles			
SnAgCu CU A			U Alloy	Alloy 1			260 C 30			seco	seconds 3				
Comments															
level 1 - maximum	time at peak temperature d	luring sol	dering is 10-3	0 seconds											
For more informa	tion regarding 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 bhthalate (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 co 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.

	cable [E] enter the weigh			ance category (JIG or Requester) or [F] Optionally enter the positive (+				
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.977	mg	Supplier	Silicon (Si)	7440-21-3		0.977	mg
Protection coat	0.014	mg		Polyimide	proprietary data		0.014	mg
Solder Ball	0.18462	mg	Supplier	Silver (Ag)	7440-22-4		0.0074	mg
			Supplier	Tin (Sn)	7440-31-5		0.1763	mg
			Supplier	Copper (Cu)	7440-50-8		0.0009	mg
UBM Sputter	3.8E-4	8E-4 mg	Supplier	Titanium (Ti)	7440-32-6		0	mg
			Supplier	Copper (Cu)	7440-50-8		0.0003	mg
Under Bump Metal	0.013	mg	Supplier	Copper (Cu)	7440-50-8		0.013	mg