ABBOGIATION CONNECTING ELECTRODUCES INDUSTRIES® Material Compo © Copyright 2005. IPU international and Pan-	C, Bannockl	ourn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, t	ent is a decla he declaratio	ration of the n encompas	substances ses all lowe	within the m r level mater	nanufacturer ials for whi	r listed ite ich the ma	m. Note: if nufacturer	f the item is an as has engineering	sembly with lower responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials					s and Mfg	s and Mfg Information			
Supplier Information															
Company name*	Company unique ID			Unique ID Authority					Response Date*						
onsemi												2024-05-17			
Contact Name	Title - Contac	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 Number	Mfr Iten	n Number	Mfr Item Name			Effective D	ate Versio	on i	Manufacturing Site		W	eight*	UOM	Unit Type	
	NCV332	NCV33204DTBR2G ANA LO-V / R		R QUAD OA		2024-05-17			PH1		45	.24	mg	Each	
Manufacturing Proccess Informati	on										L		I		
Terminal Plating / Grid Array Mat	erial 7	Terminal Base A	Alloy	J-STD-020 MSL Rating		Peak Process Body Temp		Temperatu	ature Max Time at Peak Te		emperatu	erature Number of Reflow Cycles		les	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		С	30 seco		second	econds 3			
Comments															
evel 1 - maximum time at peak temperatur	e during so	ldering is 10-3	0 seconds												
for more information regarding material c	omposition	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 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	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.

sigma range of distribution unless otherwise noted).										
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure		
Die	2.0	mg	Supplier	Silicon (Si)	7440-21-3		2	mg		
Die Attach	1.44	mg	Supplier	Silver (Ag)	7440-22-4		1.08	mg		
			Supplier	Epoxy resins	129915-35-1		0.36	mg		
Lead Frame	22.54	mg	Supplier	Iron (Fe)	7439-89-6		0.4283	mg		
			Supplier	Copper (Cu)	7440-50-8		22.1117	mg		
Mold Compound-Black	19.0	mg		Epoxy resin	proprietary data		0.95	mg		
			Supplier	Phenolic Resin	Proprietary Data		0.95	mg		
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.38	mg		
			Supplier	Carbon Black (C)	1333-86-4		0.095	mg		
			Supplier	Fused Silica (SiO2)	60676-86-0		16.625	mg		
Plating	0.04	mg	Supplier	Palladium (Pd)	7440-05-3		0.003	mg		
			В	Nickel (Ni)	7440-02-0		0.0364	mg		
			Supplier	Gold (Au)	7440-57-5		0.0006	mg		
Wire Bond - Cu	0.22	mg	Supplier	Copper (Cu)	7440-50-8		0.22	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 signa range of distribution unless otherwise noted).