ABSOCIATION CONNECTING LECTRONICS INDUSTRIES® INFORMATION AND ADDRESS INDUSTRIES® INFORMATION AND ADDRESS INTERNATIONAL AND ADDRESS ADDRESS ADDRESS INTERNATIONAL AND ADDRESS ADDRES	<b>position De</b> IPC, Bannock an-American c	<b>claration</b> burn, Illinois. A opyright conver	Ill rights reserved untions.	inder both						n the manufact l materials for					sembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				<ul> <li>Declaration Class *</li> <li>Class 6 - RoHS Yes/No, Homogeneous Mater</li> </ul>					erials and M	ials and Mfg Information					
upplier Information																
Company name*			Company unique ID			Unique ID Authority					Respons	Response Date*				
onsemi											2023-06	2023-06-08				
			Title - Contact			Phone - Contact*					Email -	Email - Contact*				
Product-Env-Stewards	Product Enviro Compliance				NA					Produc	Product-Env-Stewards@onsemi.com					
uthorized Representative*	Title - Repre	Title - Representative			Phone - Representative*				Email -	Email - Representative*						
Product-Env-Stewards	Product Enviro Compliance				NA					Produc	Product-Env-Stewards@onsemi.com					
Requester Item Number	Requester Item Number Mfr Iter		m Number Mfr Item Name			Effective Da	Date Version Manufacturing Site		1	Weight*	* U	ОМ	Unit Type			
	NCV77	NCV7708FDWR2G Autom		utomotive Driver		2023-06-08	023-06-08 PH1			792.01		m	ıg	Each		
Ianufacturing Proccess Informa	ation					· 	I								I	
Terminal Plating / Grid Array M	Iaterial '	Ferminal Base	Alloy	J-STD-020 MSL Rating		Peak Process Body		Body Tempera	y Temperature Max Time at Peak		ak Temperat	Temperature Number of Re		eflow Cyc	les	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 3		3		260		С		30		seconds 3				
omments																
TTENTION: MSL 3 Rated item requir	es Bake and I	Dry Pack (after	electrical test)													
or more information regarding materia	l composition	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), 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 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 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	29.61	mg	Supplier	Silicon (Si)	7440-21-3		29.61	mg
Die Attach	12.56	mg		Epoxy resin	proprietary data		1.256	mg
			Supplier	Ethylene dimethacrylate	97-90-5		0.628	mg
			Supplier	Silver (Ag)	7440-22-4		10.048	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.628	mg
Lead Frame	196.75	mg	Supplier	Zinc (Zn)	7440-66-6		0.2361	mg
			Supplier	Iron (Fe)	7439-89-6		4.6236	mg
			Supplier	Copper (Cu)	7440-50-8		191.8313	mg
			Supplier	Phosphorus (P)	7723-14-0		0.059	mg
Mold Compound-Black	545.87	mg		Epoxy resin	proprietary data		40.9403	mg
			Supplier	Phenolic Resin	Proprietary Data		13.6468	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		40.9403	mg
			Supplier	Carbon Black (C)	1333-86-4		2.7293	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		447.6134	mg
Plating	6.53	mg	Supplier	Palladium (Pd)	7440-05-3		0.4571	mg
			В	Nickel (Ni)	7440-02-0		5.9423	mg
			Supplier	Gold (Au)	7440-57-5		0.1306	mg
Wire Bond - Au	0.69	mg	Supplier	Gold (Au)	7440-57-5		0.69	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).