ASDCIATION CONNECTING ELECTRANCE INDUSTRIES® INCLUSTRIES	PC. Bannockl	burn. Illinois. A	All rights reserved untions.	under both	This docum level parts, t	ent is a declara	tion of the s encompasse	ubstances es all lowe	within the er level mat	manufacture terials for wh	er listed ite nich the ma	m. Note: nufacture	if the item is an as er has engineering	sembly with lower responsibility.
	P.1.1 IPC Web Site for Information on IPC-1752 Standard Form Distribution Distribut				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					eous Materia	als and Mfg Information			
Supplier Information														
Company name* C			Company unique ID			Unique ID Authority					Response Date*			
onsemi											2024-05-02			
Contact Name	t			Phone - Contact*				Email - Contact*						
Product-Env-Stewards Product			oduct Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - Repres			esentative			Phone - Representative*				Email - Representative*				
Product-Env-Stewards Produ			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Imber Mfr Item Nur		Number Mfr Item Name			Effective Dat	ve Date Version Manufacturing Site		ring Site	W	eight*	UOM	Unit Type	
	NLV145	ILV14521BDR2G 24STAGE FRE		UENCY DIVIE	DER	2024-05-02			PH1		14	2.68	mg	Each
Manufacturing Proccess Information	tion										<u>,</u>			·
Terminal Plating / Grid Array Ma	Terminal Plating / Grid Array Material Terminal Base A		Alloy	J-STD-020 MSL Rating		Peak Process Body Temperate		ure Max Time at Peak Temper		Temperatu	nperature Number of Reflow Cycles		eles	
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30		second	s 3		
Comments														
evel 1 - maximum time at peak temperatu	re during so	Idering is 10-3	0 seconds											
or more information regarding material	composition	please refer to	o 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 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.

select a ROHS exemption, if appli sigma range of distribution unless	otherwise noted).	it of the substance of the Pl	PM concentration	[F] Optionally enter the positive (+) and n	legative (-) tolerance in per	cent (Note: percer	it tolerance values are	expected to cover a 3
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	2.73	mg	Supplier	Silicon (Si)	7440-21-3		2.73	mg
Die Attach	4.85	mg	Supplier	Silver (Ag)	7440-22-4		3.6375	mg
			Supplier	Epoxy resins	129915-35-1		1.2125	mg
Lead Frame	75.92	mg	Supplier	Silver (Ag)	7440-22-4		0.7592	mg
			Supplier	Zinc (Zn)	7440-66-6		0.1518	mg
			Supplier	Iron (Fe)	7439-89-6		1.9739	mg
			Supplier	Copper (Cu)	7440-50-8		73.035	mg
Mold Compound-Black	55.11	mg		Epoxy resin	proprietary data		2.7555	mg
			Supplier	Phenolic Resin	Proprietary Data		2.7555	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		1.1022	mg
			Supplier	Carbon Black (C)	1333-86-4		0.2756	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		48.2213	mg
Plating	3.73	mg	Supplier	Tin (Sn)	7440-31-5		3.73	mg
Wire Bond - Cu	0.34	mg	Supplier	Copper (Cu)	7440-50-8		0.34	mg