ASSOCIATION CONNECTING ELECTRONICS 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	aration of on encom	f the substand	ces wit ower lev	hin the manufacture vel materials for wh	er listed in hich the m	em. Note: i anufacture	if the item is an as r has engineering	sembly with lower responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materia					ls and Mfg Information				
Supplier Information															
Company name*	Company unique ID			Unique ID Authority					Response Date*						
onsemi												2023-06-08			
Contact Name Ti			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	Date Ve	ersion	Man	Manufacturing Site		Weight*	UOM	Unit Type	
	NLSV27	LSV2T244DMR2G 2 BIT U		2 BIT UNIDIR TRANSLATOR		2023-06-08	3		THE	ТНВ		24.28044	mg	Each	
Manufacturing Proccess Informati	on												I	I	
Terminal Plating / Grid Array Mat	erial 7	Ferminal Base A	Alloy	J-STD-020 MSL Rating		Peak Process Body Tem		ody Temper	rature Max Time at Peak T		Temperat	Semperature Number of Reflow Cycles		eles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		С		30 seco		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	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 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	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	0.34 mg		Supplier	Silicon (Si)	7440-21-3		0.34	mg
Die Attach	0.13	mg	Supplier	Ethylene glycol dicyclopentenyl ether methacrylate	68586-19-6		0.0045	mg
			Supplier	Bis(a,a-dimethylbenzyl) Peroxide	80-43-3		0.0008	mg
			Supplier	Silver (Ag)	7440-22-4		0.1246	mg
Lead Frame	11.2259	mg	Supplier	Zinc (Zn)	7440-66-6		0.0135	mg
			Supplier	Iron (Fe)	7439-89-6		0.2638	mg
			Supplier	Copper (Cu)	7440-50-8		10.9453	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0034	mg
Mold Compound-Black	12.4	mg		Epoxy resin	proprietary data		0.62	mg
			Supplier	Phenolic Resin	Proprietary Data		0.62	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.248	mg
			Supplier	Carbon Black (C)	1333-86-4		0.062	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		10.85	mg
Plating	0.114539	mg	Supplier	Palladium (Pd)	7440-05-3		0.0229	mg
			В	Nickel (Ni)	7440-02-0		0.0905	mg
			Supplier	Gold (Au)	7440-57-5		0.0011	mg
Wire Bond - Au	0.07	mg	Supplier	Gold (Au)	7440-57-5		0.07	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).