© Copyright	Composition De 2005. IPC, Bannockl and Pan-American c	burn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarat he declaration o	ion of the su	ibstances v s all lower	within the manufactu level materials for v	urer listed which the 1	tem. Note: i nanufacture	if the item is an as r has engineering	sembly with low responsibility.	
	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					als and Mfg Information			
Supplier Information														
Company name*	Company un	Company unique ID			Unique ID Authority				Respon	Response Date*				
nsemi										2023-06-08				
Contact Name Title			Title - Contact			Phone - Contact*				Email -	Email - Contact*			
Product-Env-Stewards Pro			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title -			Fitle - Representative			Phone - Representative*				Email -	Email - Representative*			
Product-Env-Stewards Pr			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	ester Item Number Mfr Item N		Number Mfr Item Name			Effective Date	ective Date Version Manufacturing Site			Weight*	UOM	Unit Type		
	NLV145	ILV14504BDG HEX LEVEL SH		HIFTER		2023-06-08		P	PH1		142.68	mg	Each	
Aanufacturing Proccess Inf	ormation													
Terminal Plating / Grid Array Material Terminal Base		Ferminal Base A	lloy J-STD-020 MSL Rating			Peak Process Body Temperature Max Time at Peak			k Tempera	Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU		CU Alloy	lloy 1			260	260 C		30	seco	nds 3			
omments														
vel 1 - maximum time at peak ten	nperature during so	ldering is 10-3	0 seconds											
or more information regarding m	aterial 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.

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