ASSOCIATION CONNECTING ASSOCIATION CONNECTING International and Pan-Ar	Bannockbu	urn, Illinois. A	ll rights reserved utions.	under both	This docume level parts, t	ent is a declara he declaration	tion of the encompass	substances ses all lowe	s within the er level mat	manufactur erials for wh	er listed ite hich the m	em. Note anufactu	e: if the ite arer has er	em is an asser ngineering res	nbly with low ponsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materia					als and Mf	als and Mfg Information				
Supplier Information																
Company name* Company unique II			que ID	e ID Unique			ique ID Authority					Response Date*				
onsemi											2023-06-08					
Contact Name Title - Contact				Phone			none - Contact*				Email - Contact*					
Product-Env-Stewards Product Envir			nviro Compliance			NA				Product-Env-Stewards@onsemi.com						
Authorized Representative* Title - Represent			sentative			Phone - Representative*				Email - Representative*						
Product-Env-Stewards Product Envi			nviro Compliance			NA				Product-Env-Stewards@onsemi.com						
Requester Item Number	Requester Item Number Mfr Item		Number Mfr Item Name			Effective Da	ve Date Version Manufacturing Site		ing Site	v	/eight*	U	JOM	Unit Type		
	NB3L553	NB3L553DR2G AHF LOW SH		EW 1:4 CLOCK		2023-06-08			PH1		7	2.0	m	ng	Each	
Aanufacturing Proccess Information	1						-									
Terminal Plating / Grid Array Materi	Terminal Plating / Grid Array Material Terminal Base Alloy			J-STD-020 MSI	L Rating	Peak Pro	cess Body '	Temperatu	ire Max Ti	me at Peak	Temperatu	re Nu	mber of R	Reflow Cycles		
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30		second	s 3					
omments																
vel 1 - maximum time at peak temperature o	luring sold	lering is 10-3	0 seconds													
or more information regarding material con	position p	lease 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 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 fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.								
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	1.33	mg	Supplier	Silicon (Si)	7440-21-3		1.33	mg	
Die Attach	2.4	mg	Supplier	Silver (Ag)	7440-22-4		1.8	mg	
			Supplier	Epoxy resins	129915-35-1		0.6	mg	
Lead Frame 37.6	37.61	mg	Supplier	Silver (Ag)	7440-22-4		0.7898	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.0451	mg	
			Supplier	Iron (Fe)	7439-89-6		0.8838	mg	
			Supplier	Copper (Cu)	7440-50-8		35.8799	mg	
			Supplier	Phosphorus (P)	7723-14-0		0.0113	mg	
Mold Compound-Black	28.58	mg		Epoxy resin	proprietary data		1.429	mg	
			Supplier	Phenolic Resin	Proprietary Data		1.429	mg	
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.5716	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.1429	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		25.0075	mg	
Plating	1.89	mg	Supplier	Tin (Sn)	7440-31-5		1.89	mg	
Wire Bond - Au	0.19	mg	Supplier	Gold (Au)	7440-57-5		0.19	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).