ABSOCIATION CONNECTING ELECTRONICS INDUSTRIES® INDUSTRIES® INDUSTRIES®	C. Bannockb	ourn. Illinois. A	ll rights reserved un tions.	nder both	This docume level parts, t	ent is a declaration er	n of the substance compasses all low	es within the manufactur wer level materials for w	rer listed it hich the m	em. Note: if anufacturer	the item is an as has engineering	sembly with lower responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form T				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Ir				fg Informati	on			
Supplier Information													
Company name* Compa			ompany unique ID			Unique ID Authority				Response Date*			
onsemi									2023-06-08				
Contact Name Title - Contact			et		Phone - Contact*				Email - Contact*				
Product-Env-Stewards Product Enviro			o Compliance		NA			Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Representative			sentative	itative P!		Phone - Representative*			Email - Representative*				
Product-Env-Stewards Product Envi			wiro Compliance		NA			Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Item Number		Mfr Item Name			Effective Date	Version	Manufacturing Site	V	Weight*	UOM	Unit Type	
	NB3N12	33N1200KMNTXG 3.3V 1:12 HCSL Fa		Fanout Buffer		2023-06-08			2	219.81	mg	Each	
Manufacturing Proccess Informati	on		-										
Terminal Plating / Grid Array Material Terminal Base A		Alloy J	-STD-020 MSI	L Rating	Peak Proce	ss Body Tempera	ture Max Time at Peak	Temperat	ure Numb	er of Reflow Cyc	les		
Matte Tin (Sn) - annealed CU Alloy		3	3		260	С	30	secon	ds 3				
Comments													
TTENTION: MSL 3 Rated item requires	Bake and D	ry Pack (after	electrical test)										
or more information regarding material co	mposition	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	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	4.4	mg	Supplier	Silicon (Si)	7440-21-3		4.4	mg
Die Attach	3.69	mg	Supplier	Silver (Ag)	7440-22-4		2.7675	mg
			Supplier	Epoxy resins	129915-35-1		0.9225	mg
Lead Frame	64.22	mg	Supplier	Silver (Ag)	7440-22-4		1.2844	mg
			Supplier	Tin (Sn)	7440-31-5		0.1605	mg
			Supplier	Zinc (Zn)	7440-66-6		0.1413	mg
			Supplier	Chromium (Cr)	7440-47-3		0.1605	mg
			Supplier	Copper (Cu)	7440-50-8		62.4732	mg
Mold Compound-Black	140.39	mg		Epoxy resin	proprietary data		6.5983	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		14.039	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1404	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		113.014	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		6.5983	mg
Plating	5.83	mg	Supplier	Tin (Sn)	7440-31-5		5.83	mg
Wire Bond	1.28	mg	Supplier	Palladium (Pd)	7440-05-3		0.0128	mg
			Supplier	Copper (Cu)	7440-50-8		1.2672	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).