ASSOCIATION CONNECTING LECTRONICS INDUSTRIES® INTERNATIONAL DISTRICTION	. IPC, Bannockt	ourn, Illinois. A	Ill rights reserved untions.	under both Iev	nis docume vel parts, ti	ent is a declara he declaration	tion of the s encompass	substances es all lowe	within the manufacture within the manufacture within the materials for v	arer listed which the	item. Note: it manufacturer	f the item is an as has engineering	ssembly with lower responsibility.	
				Form Type * Distribute					ials and Mfg Information					
Supplier Information														
Company name*			Company unique ID			Unique ID Authority				Respor	Response Date*			
onsemi										2024-0	2024-05-18			
Contact Name Title - C			itle - Contact			Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards Product			roduct Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Rep			Representative			Phone - Representative*			Email	Email - Representative*				
Product-Env-Stewards Prod			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number			iber Mfr Item Name			Effective Dat	e Version	l	Manufacturing Site		Weight*	UOM	Unit Type	
	NTBLS	D5N08MC	PTNG 80V in TOLL for industrial market		market	2024-05-18			РВВ		811.7391	mg	Each	
Manufacturing Proccess Inforn	nation											· ·		
Terminal Plating / Grid Array	Terminal Plating / Grid Array Material Terminal Base A		Alloy	J-STD-020 MSL R	ating	Peak Pro	cess Body 7	Femperatu	re Max Time at Peal	k Tempera	ture Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy		CU Alloy		1		260		С	30	seco	nds 3			
Comments														
level 1 - maximum time at peak temper	ature during so	ldering is 10-3	0 seconds											
For more information regarding mater	al composition	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chro	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), Disobutyl phthalate (DIBP).									
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on informationprovided by others in completing this form, and that Supplier may not have independently verified information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, itsuppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in the sole and exclusivesource of the Supplier's Itality and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms andConditions of Sale applicable to such part shall apply.											
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted subst	ances per the definition above except for sele	ected exempt	ions Supplier Acceptance	* Accepted						
Exemption: 7a: Lead in high melting temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore lead).								
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the						
Supplier Digital Signature	astislav 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.

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

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	6.35	mg	Supplier	Silicon (Si)	7440-21-3		6.35	mg
Die Attach Solder	7.6901	mg	Supplier	Silver (Ag)	7440-22-4		0.1923	mg
			А	Lead (Pb)	7439-92-1	7a	7.344	mg
			Supplier	Tin (Sn)	7440-31-5		0.1538	mg
Lead Frame	474.555	mg	В	Nickel (Ni)	7440-02-0		0.2373	mg
			Supplier	Iron (Fe)	7439-89-6		0.4746	mg
			Supplier	Copper (Cu)	7440-50-8		473.7008	mg
			Supplier	Phosphorus (P)	7723-14-0		0.1424	mg
Mold Compound-Black	314.85	mg		Proprietary	proprietary data		25.188	mg
			Supplier	Carbon Black (C)	1333-86-4		1.5742	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		288.0878	mg
lating	8.12	mg	Supplier	Tin (Sn)	7440-31-5		8.12	mg
Wire Bond - Al	0.174	mg	Supplier	Aluminum (Al)	7429-90-5		0.174	mg