ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and	mposition De 05. IPC, Bannockt I Pan-American co	claration ourn, Illinois. <i>A</i> opyright conve	Il rights reserved untions.	under both	This docume level parts, th	ent is a declaration en declaration en	on of the substan	ces within the ma wer level materia	nufacturer li als for which	sted item. Note: i the manufacture	f the item is an a has engineering	ssembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Tw				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				s Materials a	ials and Mfg Information			
upplier Information													
Company name*			Company unique ID			Unique ID Authority				Response Date*			
onsemi										2024-05-12			
Contact Name Title - Contact			t P			Phone - Contact*				Email - Contact*			
Product-Env-Stewards P			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - R			tle - Representative			Phone - Representative*			Email - Representative*				
roduct-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	NTH4L0	NTH4L020N120SC1 SiC MOS TO247		-4L 20mohm 12	200V	2024-05-12 CPA			6377.713	mg	Each		
Ianufacturing Proccess Infor	mation						-						
Terminal Plating / Grid Array	Terminal Plating / Grid Array Material Terminal Base		Alloy J-STD-020 MSL Rati		L Rating	Peak Process Body Temperature Max		ature Max Time	at Peak Ten	nperature Numb	er of Reflow Cy	cles	
Matte Tin (Sn) - annealed		CU Alloy NA			0 C 30			seconds 3					
omments													
or more information regarding mate	rial 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).									
cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in ifies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the anty rights and/or remedies provided as part of						
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.

sigma range of distribution unless	otherwise noted).							
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	4.633	mg	Supplier	Silicon Carbide	409-21-2		4.633	mg
			Supplier	Silicon (Si)	7440-21-3		0	mg
Die Attach Solder	7.49	mg	Supplier	Silver (Ag)	7440-22-4		0.1873	mg
			А	Lead (Pb)	7439-92-1	7a	6.9282	mg
			Supplier	Tin (Sn)	7440-31-5		0.3745	mg
Lead Frame	3982.39	mg	В	Nickel (Ni)	7440-02-0		9.5577	mg
			Supplier	Iron (Fe)	7439-89-6		5.9736	mg
			Supplier	Copper (Cu)	7440-50-8		3965.2656	mg
			Supplier	Phosphorus (P)	7723-14-0		1.593	mg
Mold Compound-Black	2349.04	mg		Epoxy resin	proprietary data		70.4712	mg
			Supplier	Phenolic Resin	Proprietary Data		35.2356	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		352.356	mg
			Supplier	Carbon Black (C)	1333-86-4		11.7452	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1879.2321	mg
Plating	23.4	mg	Supplier	Tin (Sn)	7440-31-5		23.4	mg
Wire Bond - Al	10.76	mg	Supplier	Aluminum (Al)	7429-90-5		10.76	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).