ISSOCIATION O LECTRONICS	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.		nder both	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.										
52-21.1	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					eous Materia	ials and Mfg Information			
upplier l	Information														
ompany na	ame*	Company unique ID			Ţ	Unique ID Authority					Response Date*				
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roduct-En	nv-Stewards		Product Enviro Compliance			1	NA					Product-Env-Stewards@onsemi.com			
uthorized :	Representative*	Title - Representative			P	Phone - Representative*				Email - Representative*					
roduct-En	nv-Stewards	Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Vers	Version Manufacturing Site		V	Weight*	UOM	Unit Type	
		NTH4L020N120SC1 SiC M		SiC MOS TO247-	SiC MOS TO247-4L 20mohm 1200V		2024-04-23 CPA			6377.713		mg	Each		
	turing Process Informa		r : 1D	A.11	CTD 020 MCI	D. C	D 1 D	D	T	M T	(D. 1)	T	N. I	SD CL C	,
8				-STD-020 MSL	Rating		rocess Body Temperature Max Time at Pea		me at Peak	1 1		r of Reflow Cy	cles		
· ·	Matte Tin (Sn) - annealed		CU Alloy	N	NA		0		IC.	30		second	ds 3		
omments															
	formation regarding material		.1												

RoHS Material Composition Declaration			Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU											
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 knowledges 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 information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any 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 substance	s per the definition above except for selected exemp	tions Supplier Acceptance	* Accepted							
Exemption: 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required f Requester) and click on Submit Form to ha		Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the							
Supplier Digital Signature Ra	astislav Drska	-En									

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 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
			A	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			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