SSOCIATION (LECTRONICS	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			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				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					eous Materia	ials and Mfg Information			
upplier]	Information														
ompany n	ame*	Company unique ID			J	Unique ID Authority					Response Date*				
semi												2022-02-11			
ontact Nai	me	Title - Contact			I	Phone - Contact*				Email - Contact*					
roduct-En	nv-Stewards	Product Enviro Compliance]	NA					Product-Env-Stewards@onsemi.com				
uthorized	Representative*	Title - Representative			I	Phone - Representative*				Email - Representative*					
roduct-En	nv-Stewards	Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr I		Item Number Mfr Item Name				Effective Date Version Manufacturing Sit 2022-02-11 CPA		ring Site	V	Veight*	UOM	Unit Type		
		NTHL160N120SC1 SiC MC		SiC MOS TO247-	SiC MOS TO247-3L 160mohm 1200V					5	456.92	mg	Each		
	turing Process Informa		ID	A 11	GTD 020 MGI	i D. C	D 1 D		1 7	M T	(D. 1)	T	N. I	CD CL C	,
					-STD-020 MSI	_ Rating	Peak Process Body Temperature M						er of Reflow Cyc	cles	
	Matte Tin (Sn) - annealed		CU Alloy	I	NA		U		IC.	30		second	ds 3		
omments															
	nformation regarding material	,.	1 6 4												

RoHS Material Composition Declaration			Declaration Type *	Detailed						
irective 2015/863/EU amending RoHS irective 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).										
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 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 paragraph. If the Company and the Supplier shave 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 and Conditions 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 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	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	57.0	mg	Supplier	Silicon Carbide	409-21-2		57	mg
Die Attach Solder	62.34		Supplier	Silver (Ag)	7440-22-4		1.5585	mg
			A	Lead (Pb)	7439-92-1	7a	57.6645	mg
			Supplier	Tin (Sn)	7440-31-5		3.117	mg
Lead Frame	3612.9	mg	Supplier	Iron (Fe)	7439-89-6		3.6129	mg
			Supplier	Copper (Cu)	7440-50-8		3608.2031	mg
			Supplier	Phosphorus (P)	7723-14-0		1.0839	mg
Mold Compound-Black	1687.68			Epoxy resin	proprietary data		50.6304	mg
			Supplier	Phenolic Resin	Proprietary Data		25.3152	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		253.152	mg
			Supplier	Carbon Black (C)	1333-86-4		8.4384	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1350.144	mg
Plating	31.0	mg	Supplier	Tin (Sn)	7440-31-5		31	mg
Wire Bond - Al	6.0	mg	Supplier	Aluminum (Al)	7429-90-5		6	mg