ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® Material Composition D © Copyright 2005. IPC, Bannoc international and Pan-American	kburn, Illinois. All	rights reserved un	nder both	This docume level parts, t	ent is a declara he declaration	tion of the sencompass	substances es all lowe	s within the manufactu er level materials for w	rer listed which the i	item. Note: i nanufacture	if the item is an as r has engineering	sembly with lower responsibility.	
IPC Web Site for Information o.   http://www.ipc.org/IPC-175x	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					als and Mfg Information			
Supplier Information													
Company name* Company unique ID			Unique ID Authority				Response Date*						
onsemi	emi								2023-06-08				
Contact Name	Title - Contact			1	Phone - Contact*				Email -	Email - Contact*			
Product-Env-Stewards	-Env-Stewards Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
thorized Representative* Title - Representative				]	Phone - Representative*				Email - Representative*				
Product-Env-Stewards Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
Requester Item Number Mfr Ite	m Number N	Mfr Item Name			Effective Da	e Versior	1	Manufacturing Site		Weight*	UOM	Unit Type	
NUD4	700SNT1G SCR SHUNT IN I		OWERMITE		2023-06-08			MY1		16.3	mg	Each	
Manufacturing Proccess Information					•	-						·	
Terminal Plating / Grid Array Material	Terminal Base Alloy		-STD-020 MSL	Rating	Peak Pro	cess Body	ss Body Temperature Max Time at Peak		Tempera	Temperature Number of Reflow Cycles		eles	
Matte Tin (Sn) - annealed CU Alloy 1					260		С	30	seco	nds 3			
Comments													
level 1 - maximum time at peak temperature during	oldering is 10-30	seconds											
For more information regarding material composition	n please refer to p	age 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, itssuppliers have 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's liability 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	0.16	mg	Supplier	Silicon (Si)	7440-21-3		0.16	mg
Die Attach Solder	0.34	mg	Supplier	Silver (Ag)	7440-22-4		0.0085	mg
			А	Lead (Pb)	7439-92-1	7a	0.3145	mg
			Supplier	Tin (Sn)	7440-31-5		0.017	mg
Lead Frame	5.38	mg	Supplier	Zinc (Zn)	7440-66-6		0.0054	mg
			Supplier	Iron (Fe)	7439-89-6		0.1291	mg
			Supplier	Copper (Cu)	7440-50-8		5.2455	mg
Mold Compound-Black	9.69	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.969	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0484	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		1.405	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		6.2985	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.969	mg
Plating	0.73	mg	Supplier	Tin (Sn)	7440-31-5		0.73	mg