IPC ASSOCIATION ELECTRONIC	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.											
1752-21.1					Form Type Distribute						als and Mfg Information					
Supplie	Information															
Company name* Company unique				jue ID U1			Unique ID Authority					Response Date*				
onsemi												2023-06-08				
Contact N	ame	Title - Contact			]	Phone - Contact*					Email - Contact*					
Product-I	Env-Stewards		Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com				
Authorize	d Representative*	Title - Representative			1	Phone - Representative*				Email - Representative*						
Product-I	Env-Stewards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Date   Version		Version	Manufacturing Site			Weight*	J	JOM	Unit Type
		NL17SG04DFT2G Single l		Single Inverter	ngle Inverter		2023-06-08			CN1			6.2	r	ng	Each
Manufa	cturing Proccess Informat	tion					,									
	Terminal Plating / Grid Array Ma	Ferminal Base Alloy J-STD-020 MSI		L Rating	Peak Process Body Temper		ture Max Time at Peak Te		Tempera	ture Nu	umber of	Reflow Cycle	es			
Matte Tin (Sn) - annealed CU Alloy			CU Alloy	1	1			<b>260</b> C		30 sec		secor	nds 3			
Comments																
evel 1 - m	aximum time at peak temperatu	re during sol	dering is 10-3	0 seconds												
or more	information regarding material	composition <b>j</b>	please refer to	page 3												

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		ium (Cr6+), Polybrominated Biphenyls (PB)	erial for Cadmium and quantity limit of 0.1% b B), Polybrominated Diphenyl Ethers (PBDE), a								
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 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 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 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 provided as part of that agreement, will be the sole and exclusivesource of 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 and Conditions of Sale applicable to such part shall apply.											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	Accepted						
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the						

## **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).

omogeneous Material Weight U		Unit of Measure	Level Substance		CAS	Exempt	Weight	Unit of Measure	
Die	0.19	mg	Supplier	Silicon (Si)	7440-21-3		0.19	mg	
Lead Frame	2.04	mg	В	Nickel (Ni)	7440-02-0		0.7813	mg	
			Supplier	Iron (Fe)	7439-89-6		1.0792	mg	
			Supplier	Copper (Cu)	7440-50-8		0.1795	mg	
Mold Compound-Black	3.9	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.39	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.0195	mg	
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.5655	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		2.535	mg	
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.39	mg	
Plating	0.05	mg	Supplier	Tin (Sn)	7440-31-5		0.05	mg	
Wire Bond - Au	0.02	mg	Supplier	Gold (Au)	7440-57-5		0.02	mg	