IPC ASSOCIATION CONNECT ELECTRONICS INDUSTR	© Copyright 2005, IPC.	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 lowel level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
752-21.1		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 Mater					als and Mf	g Informa	ation	
Supplier Infor	mation						·								
Company name*			Company unique ID			Ţ	Unique ID Authority					Response Date*			
nsemi											2023-06-08				
Contact Name			Title - Contact			I	Phone - Contact*					Email - Contact*			
Product-Env-Stev	wards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com				
uthorized Repres	sentative*	Title - Representative			I	Phone - Representative*				Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Reques	ster Item Number	Mfr Item	em Number Mfr Item Name		Mfr Item Name ULP-A Inverter O/D		Effective Dat	e Versio	rsion Manufacturing Site		g Site	V	eight*	UOM	Unit Type
		NC7SV05FHX ULP-		ULP-A Inverter			2023-06-08		TH2		1.397		mg	Each	
Ianufacturing	g Proccess Information	1												1	
Termina	Plating / Grid Array Material		Terminal Base Alloy		J-STD-020 M	0-020 MSL Rating		Peak Process Body Temperatur		re Max Time at Peak Temper		Temperatu	ature Number of Reflow Cycles		les
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			CU Alloy		1		260		С	30	seco		s 3		
omments															
vel 1 - maximum	time at peak temperature d	luring sol	dering is 10-3	0 seconds											
or more informat	tion regarding material com	position j	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	led
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybrominated Biphenyls (Pl	aterial for Cadmium and quantity limit of 0.1% by BB), Polybrominated Diphenyl Ethers (PBDE), an		
cadmium, hexavalentchromium, polybromir contains a RoHS restricted substance inexce encompass all such components. Supplier ce as of the date that Supplier completes this fo Company acknowledges that Supplier may l independently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated dipless of an applicable quantity limit, please intifies that it gathered the information it prome. Supplier acknowledges that Company have relied on information provided by other by others, Supplier agrees that, at a mining and the Supplier enter into a written agree esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substational substance below which, if any, RoHS exemption by desired in this form using appropriate method will rely on this certification in determining ters in completing this form, and that Supplies have provided certification between the will respect to the identified part, the Company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects the company is the company that the company tha	ws of the European Union member states) of the pnce") in excess of the applicable quantity limit iden you believe may apply. If the part is an assemble is to ensure its accuracy and that such information the compliance of its products with European Union may not have independently verified such informs regarding their contributions to the part, and tho terms and conditions of that agreement, including the provides in this formation information the Supplier provides in this formation.	entified above. If a y with lower level is true and correct on member state la nation. However, in se certifications are any warranty rigl	n homogeneous material within the part components, the declaration shall t to the best of its knowledge and belief, aws that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the this and/or remedies provided as part of
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	cceptance *	Accepted
Exemption: If the declared item does not applicable exemptions.	contain RoHS restricted substances per	the definition above except for defined Ro	oHS exemptions, then select the corresponding	response in the R	oHS Declaration above and choose all
Exemption List Version	EL-2011/534/EU				
Declaration Signature					
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recurined by the
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.111	mg	Supplier	Silicon (Si)	7440-21-3		0.111	mg
Die Attach Epoxy	0.014	mg		Epoxy resin	proprietary data		0.0042	mg
			Supplier	Diethylene glycol monoethyl ether acetate	112-15-2		0.0049	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.0049	mg
Lead Frame	0.402	mg	Supplier	Zinc (Zn)	7440-66-6		0.0005	mg
			Supplier	Iron (Fe)	7439-89-6		0.0094	mg
			Supplier	Copper (Cu)	7440-50-8		0.392	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0001	mg
Mold Compound-Black	0.852	mg	Supplier	Carbon Black (C)	1333-86-4		0.0043	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.7498	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.0554	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0426	mg
Plating	0.014	mg	Supplier	Palladium (Pd)	7440-05-3		0.001	mg
-			В	Nickel (Ni)	7440-02-0		0.013	mg
			Supplier	Gold (Au)	7440-57-5		0	mg
Wire Bond - Au	0.004	mg	Supplier	Gold (Au)	7440-57-5		0.004	mg