ASSOCIATION CONNEC	© Copyright 2005. II	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 low 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 Form Typ Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater						als and Mf	g Informa	ation		
Supplier Infor	rmation															
Company name*			Company unique ID			τ	Unique ID Authority					Response Date*				
nsemi													2023-06-08			
Contact Name		Title - Contact			F	Phone - Contact*				Email - Contact*						
Product-Env-Ste	wards	Product Enviro Compliance]	NA					Product-Env-Stewards@onsemi.com					
authorized Repre	esentative*	Title - Representative			I	Phone - Representative*				Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com					
Reque	ester Item Number	er Item Number Mfr Item Nu NC7SP74L8		Item Number Mfr Item Name 7SP74L8X ULP D-Type FF W/Pre/Clr			Effective Dat	e Version	on Manufacturing Site		W	eight*	UOM	Unit Type		
							2023-06-08 TH2			3.456		mg	Each			
Ianufacturin	g Proccess Informat	ion													·	
Termin	al Plating / Grid Array Ma	terial	Terminal Base Alloy		J-STD-020 MS	O-020 MSL Rating		Peak Process Body Temperature		re Max Time at Peak Temper		Temperatu	rature Number of Reflow Cycles		eles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		dAu) (no	CU Alloy 1		1		260		С	30		second	s 3			
Comments																
vel 1 - maximun	n time at peak temperatu	re during so	oldering is 10-3	30 seconds		·	·				·	·				
or more informa	ation regarding material	composition	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		
cadmium, hexavalentchromium, polybromin contains a RoHS restricted substance inexce encompass all such components. Supplier cet as of the date that Supplier completes this Company acknowledges that Supplier may hindependently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated diphess of an applicable quantity limit, please indriffes that it gathered the information it provom. Supplier acknowledges that Company wave relied on informationprovided by others of the supplier agrees that, at a minimusy and the Supplier enter into a written agree yesource of the Supplier's liability and the C	enyl ethers (each a "RoHS restricted substan licate below which, if any, RoHS exemption vides in this form using appropriate methods vill rely on this certification in determining the s in completing this form, and that Supplier um, itssuppliers have provided certifications ement with respect to the identified part, the tompany's remedies for issues that arise rega	s of the European Union member states) of the ce") in excess of the applicable quantity limit is you believe may apply. If the part is an assemb to ensure its accuracy and that such informatio e compliance of its products with European Ur may not have independently verified such infor regarding their contributions to the part, and the erms and conditions of that agreement, including information the Supplier provides in this	dentified above. If a ally with lower level in is true and correct tion member state la mation. However, in ose certifications are ag any warranty righ	homogeneous material within the part components, the declaration shall to the best of its knowledge and belief, was that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the lats and/or remedies provided as part of
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 applicable exemptions.	contain RoHS restricted substances per t	he definition above except for defined Rol	IS exemptions, then select the corresponding	response in the R	oHS Declaration above and choose all
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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.148	mg	Supplier	Silicon (Si)	7440-21-3		0.148	mg
Die Attach Epoxy	0.015	mg		Epoxy resin	proprietary data		0.0045	mg
			Supplier	Diethylene glycol monoethyl ether acetate	112-15-2		0.0052	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.0052	mg
Lead Frame	1.034	mg	Supplier	Magnesium (Mg)	7439-95-4		0.0018	mg
			Supplier	Silicon (Si)	7440-21-3		0.0077	mg
			В	Nickel (Ni)	7440-02-0		0.0336	mg
			Supplier	Copper (Cu)	7440-50-8		0.991	mg
Mold Compound-Black	2.225		Supplier	Carbon Black (C)	1333-86-4		0.0111	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1.958	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.1446	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.1112	mg
Plating	0.015	mg	Supplier	Palladium (Pd)	7440-05-3		0.0011	mg
			В	Nickel (Ni)	7440-02-0		0.0137	mg
			Supplier	Gold (Au)	7440-57-5		0.0002	mg
Wire Bond - Au	0.019	mg	Supplier	Gold (Au)	7440-57-5		0.019	mg