IPC ASSOCIATION ELECTRONIC	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			nder both	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	P-21.1 IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Inforn					Informatio	on		
upplier	r Information													
Company name* Company unique ID			ique ID		Unique ID Authority				Response Date*					
nsemi										2023-06-12				
ontact N	ame	Title - Contact			F	Phone - Contact*				Email - Contact*				
Product-H	Env-Stewards		Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com			
uthorize	d Representative*	Title - Representative			F	Phone - Representative*			Email - Representative*					
Product-Env-Stewards			Product Env	Product Enviro Compliance			NA			Product-Env-Stewards@onsemi.com				
	Requester Item Number	Mfr Iten	Mfr Item Number Mfr Item N		lame		Effective Date	Effective Date Version Manufacture		acturing Site	Weight*		UOM	Unit Type
		NFAP10)60L3TT	3 Phase Inverter II	PM		2023-06-12		VN2		732	24.803	mg	Each
lanufa	cturing Process Inform Terminal Plating / Grid Array N		Terminal Base	Alloy	-STD-020 MSI	. Pating	Peak Proc	ess Rody Te	mperature M	ay Time at Peak	Temperatur	Numbe	er of Reflow Cyc	plas
3		CU Alloy NA		L Kating	Peak Process Body Temperature Max Time at Pe			seconds 3						
omments	` /		COTINO		1/1		Į v		C 50		seconds	12		
omments	·													
or more i	information regarding materia	al composition	please refer to	n nage 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	0.01312	mg	Supplier	Silicon (Si)	7440-21-3		0.0131	mg
Die Attach Solder	548.0	mg	Supplier	Silver (Ag)	7440-22-4		13.7	mg
			Supplier	Tin (Sn)	7440-31-5		531.56	mg
			Supplier	Copper (Cu)	7440-50-8		2.74	mg
Lead Frame	2200.0	mg	Supplier	Tin (Sn)	7440-31-5		2.86	mg
			В	Nickel (Ni)	7440-02-0		0.88	mg
			Supplier	Copper (Cu)	7440-50-8		2196.26	mg
Mold Compound-Black	1200.0		Supplier	Phenol, polymer with 1,4-bis(methoxymethyl)benzene	26834-02-6		15.6	mg
			Supplier	Polymer(phenyl glycidil ether)-co- dicyclopentadiene	119345-05-0		60	mg
			В	Brominated Bisphenol A Diglycidyl Ether	40039-93-8		24	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		24	mg
			Supplier	Carbon Black (C)	1333-86-4		6	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		780	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		60	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		2.4	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		60	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		168	mg
NTC	1.2		Supplier	Titanium Dioxide (TiO2)	13463-67-7		0.0511	mg
			Supplier	Silver (Ag)	7440-22-4		0.012	mg
			Supplier	Boron Trioxide (B2O3)	1303-86-2		0.0031	mg
			Supplier	Tin (Sn)	7440-31-5		0.0199	mg
			Supplier	Nickel Oxide (NiO)	1313-99-1		0.2555	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.0089	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0281	mg
			Supplier	Iron Trioxide (Fe2O3)	1309-37-1		0.0511	mg
			В	Nickel (Ni)	7440-02-0		0.0085	mg
			Supplier	Manganese Tetraoxide (Mn3O4)	1317-35-7		0.6643	mg
			Supplier	Copper (Cu)	7440-50-8		0.0974	mg
Substrate	3360.0	mg		Epoxy resin	proprietary data		16.8	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		84	mg

			Supplier	Copper (Cu)	7440-50-8	436.8	mg
			Supplier	Aluminum (Al)	7429-90-5	2822.3999	mg
Wire Bond - Al	15.59	mg	Supplier	Silicon (Si)	7440-21-3	0.1559	mg
			В	Nickel (Ni)	7440-02-0	0.7795	mg
			Supplier	Aluminum (Al)	7429-90-5	14.6546	mg