IPC ASSOCIATION ELECTRONIC	© Copyright 200	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved und international and Pan-American copyright conventions.			nder both	This docume evel parts, th	nt is a declaration e	on of the	substances ses all lower	within the m	anufacture ials for whi	r listed ite ich the ma	m. Note: i nufacture	f the item is an as r has engineering	sembly with low responsibility.
752-21.1					Form Type * Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					us Material	ials and Mfg Information			
Supplie	r Information														
Company name*				Company unique ID			Unique ID Authority					Response Date*			
nsemi												2023-06-08			
Contact N	lame		Title - Contact			F	Phone - Contact*					Email - Contact*			
Product-l	Env-Stewards		Product Enviro Compliance			1	NA					Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*		Title - Representative			F	Phone - Representative*				Email - Representative*				
Product-	Env-Stewards		Product Enviro Compliance]	NA					Product-Env-Stewards@onsemi.com			
	Requester Item Number Mfr It		em Number Mfr Item Name				Effective Date	Versio	on N	Manufacturing Site		W	eight*	UOM	Unit Type
		MC100LVEL33DG BBG ECL DIFF IN		NPUT 4 DIV		2023-06-08 PH1			72	2.0	mg	Each			
Ianufa	acturing Process Infor	mation													
			Terminal Base Alloy J-STD		-STD-020 MSL	Rating	Peak Proc	ocess Body Temperature Max Time at Peak		e at Peak T	Temperature Number of		per of Reflow Cyc	eles	
Matte Tin (Sn) - annealed			CU Alloy 1			260	C		30		seconds 3				
omments															
vel 1 - m	naximum time at peak tempe	rature during so	ldering is 10	30 seconds											
or more	information regarding mate	rial composition	please refer t	o 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 at it in 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	1.33	mg	Supplier	Silicon (Si)	7440-21-3		1.33	mg
Die Attach	2.4	mg	Supplier	Silver (Ag)	7440-22-4		1.8	mg
			Supplier	Epoxy resins	129915-35-1		0.6	mg
Lead Frame	37.61	mg	Supplier	Silver (Ag)	7440-22-4		0.7898	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0451	mg
			Supplier	Iron (Fe)	7439-89-6		0.8838	mg
			Supplier	Copper (Cu)	7440-50-8		35.8799	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0113	mg
Mold Compound-Black	28.58	mg		Epoxy resin	proprietary data		1.429	mg
			Supplier	Phenolic Resin	Proprietary Data		1.429	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.5716	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1429	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		25.0075	mg
Plating	1.89	mg	Supplier	Tin (Sn)	7440-31-5		1.89	mg
Wire Bond - Au	0.19	mg	Supplier	Gold (Au)	7440-57-5		0.19	mg