ASSOCIATION CONNECTINI ELECTRONICS INDUSTRIES	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.										
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					ials and Mfg Information				
Supplier Inform	ation														
Company name* Company un				unique ID [t			Unique ID Authority					Response Date*			
nsemi											2023-06-08				
Contact Name		Title - Contact]	Phone - Contact*					Email - Contact*				
Product-Env-Stewa	rds	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com				
uthorized Represe	ntative*	Title - Representative]	Phone - Representative*				Email - Representative*					
Product-Env-Stewards Product Enviro Complia				ro Compliance	iance NA			I A				Product-Env-Stewards@onsemi.com			
Requeste	r Item Number			Mfr Item Name			Effective Date	e Versi	ion	Manufacturing Site		W	eight*	UOM	Unit Type
				1MB, 1.8V, HOL	OLD FUNCT		2023-06-08	023-06-08		ТН6		3:	5.51	mg	Each
Ianufacturing	Proccess Informatio	n													
Terminal Plating / Grid Array Material			Terminal Base Alloy J-STD-020 M		J-STD-020 M	SL Rating	Peak Process Body Tempera		y Temperati	ture Max Time at Peak Temper		Temperatu	re Numb	er of Reflow Cyc	eles
Matte Tin (Sn) - annealed C			CU Alloy 3				260 C 30				seconds 3				
comments															
TTENTION: MSL	3 Rated item requires B	ake and D	ry Pack (after	r electrical test)											
or more informatio	on regarding material cor	nposition 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	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 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									
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 recruired 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	2.68	mg	Supplier	Silicon (Si)	7440-21-3		2.68	mg
Die Attach	1.47	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.294	mg
			Supplier	Silver (Ag)	7440-22-4		1.176	mg
Lead Frame	14.33	mg	Supplier	Silver (Ag)	7440-22-4		0.1433	mg
			Supplier	Magnesium (Mg)	7439-95-4		0.0215	mg
			Supplier	Silicon (Si)	7440-21-3		0.0931	mg
			В	Nickel (Ni)	7440-02-0		0.4299	mg
			Supplier	Copper (Cu)	7440-50-8		13.6422	mg
Mold Compound-Black	16.53	mg		Epoxy resin	proprietary data		0.8265	mg
			Supplier	Phenolic Resin	Proprietary Data		0.3306	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.4133	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0826	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		14.877	mg
Plating	0.44	mg	Supplier	Tin (Sn)	7440-31-5		0.44	mg
Wire Bond - Au	0.06	mg	Supplier	Gold (Au)	7440-57-5		0.06	mg