ASSOCIATION OF	© 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.										
1752-21.1					Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information									
Supplier 1	Information														
Company na	ame*		Company uni	que ID		ī	Unique ID Autho	ority			Respons	se Date*			
onsemi											2023-06	-08			
Contact Nar	me		Title - Contac	et			Phone - Contac	*			Email -	Contact*			
Product-Env-Stewards Product Enviro Con				ro Compliance			NA				Produc	Product-Env-Stewards@onsemi.com			
Authorized 1	Representative*		Title - Repres	sentative		1	Phone - Represe	entative*			Email -	Representa	ative*		
Product-En	ıv-Stewards		Product Envi	ro Compliance			NA	_			Produc	t-Env-Stew	vards@onsemi.c	om	
I	Requester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	M	anufacturing Site		Weight*	UOM	Unit Type	
		AR03318 A0-DRB		3.1 MP 1/3 CIS			2023-06-08		TA	1		252.49	mg	Each	
Manufact	turing Process Information	1													
Т	Terminal Plating / Grid Array Material		erminal Base A	nal Base Alloy J-STD-020		L Rating	Peak Proce	s Body Temperature Max Time at Peak		ak Tempera	Temperature Number of Reflow		cles		
	Precious metal (e.g. Ag,Au, NiPdA n)	u) (no	CU Alloy		4		260		С	30	secon	nds 3			
Comments								· ·		· · · · · · · · · · · · · · · · · · ·		· ·			
For more in	formation regarding material con	position	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 the company is the co	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	ceptance *	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 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	57.0	mg		Misc.	proprietary data		0.2166	mg
			Supplier	Silicon (Si)	7440-21-3		56.2191	mg
			Supplier	Aluminum (Al)	7429-90-5		0.5643	mg
Die Attach	1.85	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.6938	mg
			Supplier	Ethylene Glycol	107-21-1		0.0185	mg
			Supplier	Sulfonium (Thiodi-4,1-phenylene)	89452-37-9		0.0555	mg
			Supplier	Modified Silicon Dioxide (SiO2)	67762-90-7		0.3885	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.6938 mg	mg
Imaging Lens	51.13	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		2.691	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		2.691	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		2.691	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.2695	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		2.691	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		2.691	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		37.4057	mg
Lid Attach	2.45	mg	Supplier	2-phenoxy ethyl acrylate	48145-04-6		1.1025	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.49	mg
			Supplier	Filler (SiO2)	68909-20-6		0.3063	mg
			Supplier	Acrylate Oligomer	Proprietary Data		0.0122	mg
			Supplier	Curative	Proprietary Data		0.049	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.49	mg
Mold Compound-Black	55.9	mg		Phenolic Resin	proprietary data		8.385	mg
			Supplier	Oxirane	39817-09-9		8.385	mg
			Supplier	1,4-Bis(2,3-epoxypropoxy)butane	2425-79-8		1.677	mg
			Supplier	Carbon Black (C)	1333-86-4		0.559	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		35.776	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		1.118	mg
Substrate and Solder Mask	83.88	mg	Supplier	Acetophenone	98-86-2		1.644	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3		18.613	mg
			Supplier	Inorganic Filler of Solder Mask_Talc (Mg3Si4O10(OH)2)	14807-96-6		1.0988	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		1.1072	mg

			Supplier	Carbon Black (C)	1333-86-4	0.2768	mg
			Supplier	2,4-Diethyl-9H-thioxanthen-9-one (DETX)	82799-44-8	0.2768	mg
			Supplier	Solvent Naphtha (Solvent oil)	64742-94-5	3.2881	mg
			Supplier	Bismaleimide Triazine resin	Proprietary Data	8.388	mg
			Supplier	Copper (Cu)	7440-50-8	40.6818	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7	8.5054	mg
Wire Bond - Au	0.28	mg	Supplier	Gold (Au)	7440-57-5	0.28	mg