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.										
1752-21.1	IDC Wab Site for Information on IDC 1752 Standard Form Type				e *	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information				
Supplier Inform	ation														
Company name*			Company unique ID			Unique ID Authority					Response Date*				
onsemi												2023-06-08			
Contact Name		Title - Contact				Phone - Contact*					Email - Contact*				
Product-Env-Stewa	rds		Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com			
Authorized Represe	ntative*	Title - Representative				Phone - Representative*				Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Requeste	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Dat	ctive Date		ring Site	W	eight*	UOM	Unit Type	
		AR1335C A0-CP1	1335CSSC11SMK 13MP 1/3 CIS SO -CP1				2023-06-08			TWU		49	.1919	mg	Each
Manufacturing	Proccess Information	1													
Terminal	Terminal Plating / Grid Array Material T		Cerminal Base Alloy J-ST		-STD-020 MS	L Rating	Peak Pro	Process Body Temperature Max		ture Max T	ime at Peak	ak Temperature Numb		er of Reflow Cyc	eles
SnAgCu	SnAgCu		CU Alloy 4				245		C	30	30		3		
Comments										·	·	·			
or more information	on regarding material com	nosition r	olease 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							
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided in form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.										
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 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 recurined 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	8.34	mg	Supplier	Silicon (Si)	7440-21-3		8.34	mg
Glass Attach Epoxy	9.0E-4	mg	Supplier	Imidazole	288-32-4		0.0002	mg
			Supplier	Epoxy Phenol Novolak Resin	28064-14-4		0.0007	mg
Glass Lid /Cap	34.79	mg	Supplier	Glass	65977-17-3		34.79	mg
Insulating Layer	3.53	mg	Supplier	9-Phenylacridine	602-56-2		0.1765	mg
			Supplier	2-Propenoic acid	1245638-61-2		1.059	mg
			Supplier	Other Additive Agents	Proprietary Data		2.118	mg
			Supplier	Butylglycol Acetate	112-07-2		0.1765	mg
Passivation	0.78	mg		Epoxy resin	proprietary data		0.0117	mg
			Supplier	Coupling Agent	Proprietary Data		0.0156	mg
			Supplier	Modified SBR Rubber	Proprietary Data		0.0039	mg
			Supplier	Melamine Compound	Proprietary Data		0.0234	mg
			Supplier	Trispenol Compound	Proprietary Data		0.0234	mg
			Supplier	Photosensitizer	Proprietary Data		0.0624	mg
			Supplier	Hydroxystyrene Resin	Proprietary Data		0.1716	mg
			Supplier	Ethyl Lactate	97-64-3		0.468	mg
RDL	0.54	mg	В	Nickel (Ni)	7440-02-0		0.324	mg
			Supplier	Gold (Au)	7440-57-5		0.0054	mg
			Supplier	Copper (Cu)	7440-50-8		0.2106	mg
Solder Ball	1.211	mg	Supplier	Silver (Ag)	7440-22-4		0.0804	mg
			Supplier	Tin (Sn)	7440-31-5		1.0768	mg
			Supplier	Copper (Cu)	7440-50-8		0.0538	mg