	Material Compo © Copyright 2005. IP international and Pan-	© 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 lowe level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
1752-21.1					Form Type Distribute	<ul> <li>Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi</li> </ul>					als and Mfg Information				
Supplier	r Information														
Company name*			Company unique ID			l	Unique ID Authority					Response Date*			
onsemi												2023-06-08			
Contact N	ame		Title - Contact			]	Phone - Contact*					Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative			1	Phone - Representative*				Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
	Requester Item Number Mfr Item		Number Mfr Item Name			Effective Date Version Manufac		Manufactu	nufacturing Site Weig		Weight*	UOM	Unit Type		
		AR0144CSSM20SUK 1MP 1/4 CI A0-CPBR1		1MP 1/4 CIS SO	IS SO		2023-06-08		TWU			41.6043		mg	Each
Ianufa	cturing Proccess Informat	ion													
	Terminal Plating / Grid Array Material T		Ferminal Base Alloy J-STD-020 MS		Rating	Peak Process Body Temperatu		ure Max Time at Peak Tempera		Temperat	ure Num	nber of Reflow Cy	cles		
SnAgCu (		CU Alloy 4			245 C 3		30		seconds 3						
omments	5														
or more	information regarding material o	composition (	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chror	S Definition: Quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl late (BBP), Dibutyl phthalate (DBP), Disobutyl phthalate (DIBP).										
cadmium, hexavalentchromium, polybrominate contains a RoHS restricted substance inexcess encompass all such components. Supplier certif as of the date that Supplier completes this form Company acknowledges that Supplier may hav independently verified information provided by certification in this paragraph. If the Company a	ed biphenyls and/or polybrominated dip of an applicable quantity limit, please ir ies that it gathered the information it pro- .Supplier acknowledges that Company e relied on informationprovided by othe y others, Supplier agrees that, at a minin and the Supplier enter into a written agre pource of the Supplier's liability and the	henyl ethers (each a " ndicate below which, i ovides in this form us will rely on this certifiers in completing this num, itssuppliers have eement with respect to Company's remedies	RoHS restricted substance") in exce if any, RoHS exemption you believe ing appropriate methods to ensure if ication in determining the complian form, and that Supplier may not have e provided certifications regarding the to the identified part, the terms and cc for issues that arise regarding inform	ce of its products with European Union membe	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the anty rights and/or remedies provided as part of							
RoHS Declaration * 1 - Item(s)	does not contain RoHS restricted substa	on above	Supplier Acceptance	* 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												
Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.												
Supplier Digital Signature Ra	stislav Drska	Le										

## 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.

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	8.2684	mg	Supplier	Silicon (Si)	7440-21-3		8.2684	mg
Glass Attach Epoxy	0.9839	mg		Miscellaneous	trade secret		0.1279	mg
			Supplier	Epoxy Phenol Novolak Resin	28064-14-4		0.856	mg
Glass Lid /Cap	29.9939	mg	Supplier	Boron Trioxide (B2O3)	1303-86-2		2.9994	mg
			Supplier	Magnesium Monoxide (MgO)	1309-48-4		1.4997	mg
			Supplier	Barium Monoxide (BaO)	1304-28-5		1.4997	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		2.9994	mg
			Supplier	Calcium Monoxide (CaO)	1305-78-8		1.4997	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		19.496	mg
Metal Shielding	0.0493	mg	Supplier	Copper (Cu)	7440-50-8		0.0002	mg
			Supplier	Aluminum (Al)	7429-90-5		0.0491	mg
RDL	0.0541	mg	В	Nickel (Ni)	7440-02-0		0.0335	mg
			Supplier	Gold (Au)	7440-57-5		0.0003	mg
			Supplier	Copper (Cu)	7440-50-8		0.0001	mg
			Supplier	Aluminum (Al)	7429-90-5		0.0202	mg
Solder Ball	2.2207	mg	Supplier	Silver (Ag)	7440-22-4		0.0666	mg
			Supplier	Tin (Sn)	7440-31-5		2.143	mg
			Supplier	Copper (Cu)	7440-50-8		0.0111	mg
Substrate and Solder Mask	0.034	mg	Supplier	Epoxy Phenol Novolak Resin	28064-14-4		0.0034	mg
			Supplier	9-Phenylacridine	602-56-2		0.0017	mg
			Supplier	2-Propenoic acid	1245638-61-2		0.0034	mg
			Supplier	3-Methoxy-1-butanol	2517-43-3		0.0085	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.0085	mg
			Supplier	1-Methoxy-2-propyl acetate (MPA)	108-65-6		0.0085	mg