ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® international and Par	PC. Bannockl	ourn. Illinois. A	ll rights reserved utions.	under both	This docume level parts, t	ent is a declaration er	on of the su	bstances w all lower	vithin the manufactu level materials for w	rer listed it which the m	em. Note: i anufacture	if the item is an as r has engineering	sembly with low responsibility.	
52-21.1 IPC Web Site for Information on IPC-1752 Standard Form Type Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information									
Supplier Information														
Company name* Com			Company unique ID			Unique ID Authority				Respons	Response Date*			
ısemi									2024-04-30					
Description of the second seco					]	Phone - Contact*				Email - Contact*				
Product-Env-Stewards Product Enviro Compl			ro Compliance	e		NA			Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Representative			sentative		]	Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product Env			nviro Compliance			NA			Product-Env-Stewards@onsemi.com					
Requester Item Number	Requester Item Number Mfr Item		n Number Mfr Item Name			Effective Date Version Manufacturing		anufacturing Site	V	Weight*	UOM	Unit Type		
	AR0237 A0-DRE	R0237ATSC12XUE 2MP 1/3 CIS SO D-DRBR				2024-04-30		Τź	TA1		.35.62	mg	Each	
Ianufacturing Proccess Information	tion													
Terminal Plating / Grid Array Ma	Terminal Plating / Grid Array Material Terminal Base Alloy		Alloy	J-STD-020 MSL	Rating	Peak Proce	ss Body Te	emperature	Max Time at Peak	Temperat	ure Num	ber of Reflow Cyc	les	
SnAgCu CU Alloy			3		260		С	30	secon	is 3				
omments														
TTENTION: MSL 3 Rated item require	s Bake and E	ry Pack (after	electrical test)											
or more information regarding material	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	oHS 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 Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl hthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl 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 fin Requester) and click on Submit Form to have	elds on all pages of this form. Select the form returned to the Requester	he "Accepted" on th	e Supplier Acceptance drop-down	. This will display the signature area. Digital	lly sign the declaration (if required by the							
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	35.27	mg		Misc.	proprietary data		0.134	mg
			Supplier	Silicon (Si)	7440-21-3		34.7868	mg
			Supplier	Aluminum (Al)	7429-90-5		0.3492	mg
Die Attach	2.27	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.8512	mg
			Supplier	Ethylene Glycol	107-21-1		0.0227	mg
			Supplier	Sulfonium (Thiodi-4,1-phenylene)	89452-37-9		0.0681	mg
			Supplier	Modified Silicon Dioxide (SiO2)	67762-90-7		0.4767	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.8512	mg
Imaging Lens	24.49	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		1.2889	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		1.2889	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		1.2889	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.1291	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		1.2889	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		1.2889	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		17.9164	mg
Lid Attach	1.34	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.4234	mg
			Supplier	Filler (SiO2)	68909-20-6		0.0697	mg
			Supplier	Epoxy Prepolymer	Proprietary Data		0.4234	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.4234	mg
Mold Compound-Black	60.82	mg		Phenolic Resin	proprietary data		9.123	mg
			Supplier	Oxirane	39817-09-9		9.123	mg
			Supplier	1,4-Bis(2,3-epoxypropoxy)butane	2425-79-8		1.8246	mg
			Supplier	Carbon Black (C)	1333-86-4		0.6082	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		38.9248	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		1.2164	mg
Solder Ball	45.55	mg	Supplier	Silver (Ag)	7440-22-4		1.3665	mg
			Supplier	Tin (Sn)	7440-31-5		43.9557	mg
			Supplier	Copper (Cu)	7440-50-8		0.2277	mg
ubstrate and Solder Mask	65.37	mg	В	Nickel (Ni)	7440-02-0		2.6148	mg
			Supplier	Gold (Au)	7440-57-5		0.2615	mg
			Supplier	Cured Resin of Solder Mask	Proprietary Data		15.6888	mg
			Supplier	Bismaleimide Triazine resin	Proprietary Data		39.222	mg

			Supplier	Copper (Cu)	7440-50-8	7.5829	mg
Wire Bond - Au	0.51	mg	Supplier	Gold (Au)	7440-57-5	0.51	mg