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 low level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.										
52-21.1	21.1 IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute					*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information								
ıpplier Inf	formation														
Company name* Company unique			npany unique ID		Unic			Unique ID Authority				Response Date*			
semi											2024-0	2024-04-30			
ontact Name		Title	Title - Contact			P	Phone - Contact*				Email	Email - Contact*			
roduct-Env-S	Stewards	Prod	Product Enviro Compliance			1	NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative			P	Phone - Representative*				Email	Email - Representative*			
Product-Env-Stewards			Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
Rec	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Dat	ate Version M		Ianufacturing Site		Weig	ht*	UOM	Unit Type
	AR0331SRSC00SUC A0-DPBR1		00SUC 3.1 MP	1/3 CIS	iS .		2024-04-30		7	TA1		252.4	.9	mg	Each
anufactur	ring Proccess Information							·				•			
Tern	Terminal Plating / Grid Array Material		al Base Alloy	J-5	STD-020 MSL	Rating	Peak Process Boo		Temperatur	e Max Time at	Peak Temper	k Temperature N		Number of Reflow Cycles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)) (no CU All	by 4			260 C		30	seco	seconds 3					
omments							•		•		•				

RoHS Material Composition Declaration			Declaration Type *	Detail	ed
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		ium (Cr6+), Polybrominated Biphenyls (PB)	erial for Cadmium and quantity limit of 0.1% b B), Polybrominated Diphenyl Ethers (PBDE), a		
cadmium, hexavalentchromium, polybromin contains a RoHS restricted substance inexce encompass all such components. Supplier cet as of the date that Supplier completes this Company acknowledges that Supplier may hindependently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated diphess of an applicable quantity limit, please indriffes that it gathered the information it provom. Supplier acknowledges that Company wave relied on informationprovided by others of the supplier agrees that, at a minimusy and the Supplier enter into a written agree yesource of the Supplier's liability and the C	enyl ethers (each a "RoHS restricted substan licate below which, if any, RoHS exemption vides in this form using appropriate methods vill rely on this certification in determining the s in completing this form, and that Supplier um, itssuppliers have provided certifications ement with respect to the identified part, the tompany's remedies for issues that arise rega	s of the European Union member states) of the ce") in excess of the applicable quantity limit is you believe may apply. If the part is an assemb to ensure its accuracy and that such informatio e compliance of its products with European Ur may not have independently verified such infor regarding their contributions to the part, and the erms and conditions of that agreement, including information the Supplier provides in this	dentified above. If a ally with lower level in is true and correct tion member state la mation. However, in ose certifications are ag any warranty righ	homogeneous material within the part components, the declaration shall to the best of its knowledge and belief, was that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the lats and/or remedies provided as part of
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	Accepted
Exemption: If the declared item does not applicable exemptions.	contain RoHS restricted substances per t	he definition above except for defined Rol	IS exemptions, then select the corresponding	response in the R	oHS Declaration above and choose all
Exemption List Version	EL-2011/534/EU				
Declaration Signature					
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	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
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