ASSOCIATION CONNECT	© Converight 2005 TPC Rannockburn Illinois All rights reserved under both				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.									
752-21.1		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							
Supplier Info	rmation													
Company name* Company unique ID					ī	Unique ID Authority				Response Date*				
nsemi											2024-04-17			
Contact Name		Т	Title - Contact]	Phone - Contact*				Email - Contact*			
Product-Env-Ste	wards	P	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title				itle - Representative			Phone - Representative*			Email - Representative*				
Product-Env-Stewards Product Enviro Compliance				o Compliance			NA				Product-Env-Stewards@onsemi.com			
Reque	ester Item Number	Mfr Item Number		Mfr Item Name			Effective Date	Version	N	Manufacturing Site	V	Veight*	UOM	Unit Type
		AR0820AT A0-TRBR	SC18XME	8MP 1/2 CIS SO			2024-04-17		Т	WU	2	94.06	mg	Each
I anufacturin	g Proccess Informatio	n												
Terminal Plating / Grid Array Material Terminal Base Alloy J-			J-STD-020 MS	L Rating	Peak Proc	ess Body T	emperatur	e Max Time at Peak	Temperatu	re Numb	er of Reflow Cyc	les		
SnAgCu		CU	CU Alloy 3			260	60 C 30		second	ls 3				
Comments														
TTENTION: M	ISL 3 Rated item requires B	ake and Dry	Pack (after	electrical test)										
or more informa	ation regarding material co	mposition ple	ease refer to	page 3										

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	53.38	mg	Supplier	Silicon (Si)	7440-21-3		52.9049	mg
			Supplier	Aluminum (Al)	7429-90-5		0.4751	mg
Die Attach	8.1	mg		Bismaleimide Monomer	proprietary data		3.1185	mg
			Supplier	POLY(ETHYLENE GLYCOL) PHENYL ETHER ACRYLATE	56641-05-5		0.0405	mg
			Supplier	2,2-Bis(4-hydroxyphenyl)propane- epichlorohydrin copolymer acrylate	55818-57-0		0.81	mg
			Supplier	Bis(4-tert-butylcyclohexyl) peroxydicarbonate	15520-11-3		0.0405	mg
			Supplier	2,2-dimethyl-1,3-propanediyl dimethacrylate	1985-51-9		0.81	mg
			Supplier	2-phenoxy ethyl acrylate	48145-04-6		0.81	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.0405	mg
			Supplier	Other Additive Agents	Proprietary Data		1.62	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.81	mg
Epoxy	12.16	mg	Supplier	Imidazole Addition	68490-66-4		3.648	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		1.216	mg
			Supplier	Zirconium Dioxide (ZrO2)	1314-23-4		1.216	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		1.216	mg
			Supplier	Formaldehyde Polymer	9003-36-5		4.864	mg
Imaging Lens	60.4	mg	Supplier	Sulfur (S)	7704-34-9		0.302	mg
			Supplier	Titanium Dioxide (TiO2)	13463-67-7		3.02	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		3.02	mg
			Supplier	Boron Trioxide (B2O3)	1303-86-2		3.02	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		3.02	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		3.02	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		3.02	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		41.978	mg
Mold Compound	52.25	mg		Epoxy resin	proprietary data		12.958	mg
			Supplier	Other Additive Agents	Proprietary Data		1.672	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		5.225	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		30.8275	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		1.5675	mg

Plating-2	0.82	mg	В	Nickel (Ni)	7440-02-0	0.82	mg
Solder Ball	59.47	mg	Supplier	Silver (Ag)	7440-22-4	1.7841	mg
			Supplier	Tin (Sn)	7440-31-5	57.3885	mg
			Supplier	Copper (Cu)	7440-50-8	0.2973	mg
Solder Mask	5.15	mg		Epoxy resin	proprietary data	0.618	mg
			Supplier	Acrylate	Proprietary Data	1.9673	mg
			Supplier	Talc	14807-96-6	0.1391	mg
			Supplier	Miscellaneous	Trade Secret	0.1905	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7	2.2351	mg
Substrate Copper Foil	3.97	mg	Supplier	Copper (Cu)	7440-50-8	3.97	mg
Substrate - Core Material	19.7	mg		Epoxy resin	proprietary data	4.269	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3	15.431	mg
Substrate Plating-Au	0.34	mg	Supplier	Gold (Au)	7440-57-5	0.34	mg
Substrate Plating-Cu	17.72	mg	Supplier	Copper (Cu)	7440-50-8	17.72	mg
Wire Bond - Au	0.6	mg	Supplier	Gold (Au)	7440-57-5	0.6	mg