ASSOCIATION CONNECTION ELECTRONICS INDUSTRI	Material Compo © Copyright 2005. IP international and Pan-	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.									
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information					on			
upplier Inform	mation														
Company name* Company unique ID			ique ID		Unique ID Authority			Respon	Response Date*						
nsemi											2025-0	2025-09-16			
Contact Name		Title - Contact			I	Phone - Contact*				Email	Email - Contact*				
Product-Env-Stew	vards		Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com			
uthorized Repres	sentative*	Title - Representative			I	Phone - Representative*			Email	Email - Representative*					
Product-Env-Stew	Product Envi	oduct Enviro Compliance			NA			Produ	Product-Env-Stewards@onsemi.com						
Reques	Requester Item Number Mfr Ite		Number Mfr Item Name			Effective Date	Version	n I	Manufacturing Site		Weight*	UOM	Unit Type		
		AS0140A M0-TRB	AT2C00XUS	1MP 1/4 CIS SO	C		2025-09-16]	MY5		193.89	mg	Each	
Ianufacturing	g Proccess Informat	ion													
Terminal Plating / Grid Array Material Terminal Base Alloy J-STD			J-STD-020 MS	L Rating	Peak Proc	ess Body	Temperatu	re Max Time at Pe	ak Tempera	ature Numb	er of Reflow Cyc	eles			
SnAgCu		CU Alloy		3		260		С	30	seco	onds 3				
omments															
TTENTION: MS	SL 3 Rated item requires	Bake and D	ry Pack (after	electrical test)						·					
or more informat	tion regarding material o	composition	please refer to	page 3										-	

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU RoHS 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 phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).											
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	19.82	mg	Supplier	Silicon (Si)	7440-21-3		19.82	mg
Die Attach	1.15	mg		Epoxy resin	proprietary data		0.0575	mg
			Supplier	4-Methylhexahydrophthalsureanhydrid	19438-60-9		0.0057	mg
			Supplier	Titanium triisostearoylisopropoxide	61417-49-0		0.0575	mg
			Supplier	2,2-dimethyl-1,3-propanediyl dimethacrylate	1985-51-9		0.0575	mg
			Supplier	2-(3,4- Epoxycyclohexyl)ethyltrimethoxysilane	3388-04-3		0.0575	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.0057	mg
			Supplier	1,4-Bis(2,3-epoxypropoxy)butane	2425-79-8		0.0575	mg
			Supplier	Isobornyl Acrylate	5888-33-5		0.0575	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.7935	mg
Epoxy	1.08	mg	Supplier	Imidazole Addition	68490-66-4		0.324	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.108	mg
			Supplier	Zirconium Dioxide (ZrO2)	1314-23-4		0.108	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.108	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.432	mg
Imaging Lens	29.9	mg	Supplier	Sulfur (S)	7704-34-9		0.1495	mg
			Supplier	Titanium Dioxide (TiO2)	13463-67-7		1.6146	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		1.6445	mg
			Supplier	Boron Trioxide (B2O3)	1303-86-2		1.6146	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		1.6146	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		1.6146	mg
			Supplier	Calcium Monoxide (CaO)	1305-78-8		0.1495	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		1.6146	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		19.8835	mg
Mold Compound	31.52	mg	Supplier	Triphenylphosphine	603-35-0		0.1576	mg
			Supplier	Trimethoxysilylpropanethiol	4420-74-0		0.1576	mg
			Supplier	Oxirane	39817-09-9		6.304	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		6.304	mg
			Supplier	Misc.	Proprietary Data		1.576	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		15.4448	mg

			Supplier	Silica Crystalline (SiO2)	14808-60-7	1.576	mg
Solder Ball	44.2		Supplier	Silver (Ag)	7440-22-4	1.326	mg
			Supplier	Tin (Sn)	7440-31-5	42.653	mg
			Supplier	Copper (Cu)	7440-50-8	0.221	mg
Substrate and Solder Mask	65.98			Epoxy resin	proprietary data	49.8149	mg
			Supplier	Phosphinoxide Derivative	Proprietary Data	0.9897	mg
			Supplier	4,4'-Bis(2,3-epoxypropoxy)-3,3',5,5'-tetramethylbiphenyl	85954-11-6	1.3196	mg
			Supplier	Inorganic Filler of Solder Mask_Talc (Mg3Si4O10(OH)2)	14807-96-6	0.9897	mg
			Supplier	Fused Silica (SiO2)	60676-86-0	10.8867	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7	1.9794	mg
Wire Bond - Au	0.24	mg	Supplier	Gold (Au)	7440-57-5	0.24	mg