ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES	Material Composite © Copyright 2005. IPC, international and Pan-Ar	Bannockb	urn, Illinois. A	ll rights reserved utions.	under both	This docume level parts, t	ent is a declaration e	ion of the su encompasse	ubstances v s all lower	within the manufactu level materials for v	rer listed it which the m	em. Note: i anufacture	if the item is an as r has engineering	ssembly with low 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									
upplier Inform	ation														
Company name* Com				Company unique ID			Unique ID Authority				Respons	Response Date*			
nsemi											2023-06	-08			
Contact Name			Title - Contact				Phone - Contact*			Email - Contact*					
Product-Env-Stewar	rds		Product Enviro Compliance				NA			Product-Env-Stewards@onsemi.com					
uthorized Represen	ntative*		Title - Repres	tle - Representative			Phone - Representative*			Email -	Email - Representative*				
Product-Env-Stewar	rds		Product Envir	iro Compliance NA Product-Env-Stewards@onsem					vards@onsemi.co	m					
Requester Item Number Mfr Item		Mfr Item	Number Mfr Item Name			Effective Date	Version	N	Manufacturing Site		Weight*	UOM	Unit Type		
		AS0140AT2C00XUS 1MP 1/4 CIS S M0-TRBR		1MP 1/4 CIS SO	IC .		2023-06-08		N	1Y5	1	93.89	mg	Each	
Ianufacturing I	Proccess Information	n													
Terminal Plating / Grid Array Material Terminal Base Alloy			Alloy	J-STD-020 MS	L Rating	Peak Proc	ess Body T	emperature	e Max Time at Peal	k Temperat	ure Numb	ber of Reflow Cyc	eles		
SnAgCu CU Alloy 3						260		С	30	secon	ds 3				
omments															
<b>FTENTION: MSL</b>	3 Rated item requires Ba	ake and D	ry Pack (after	electrical test)											
or more informatio	n regarding material con	position	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed					
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth						
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 v 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	ances per the definitio	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	19.82	mg	Supplier	Silicon (Si)	7440-21-3	1	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
Ероху	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	mg	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	mg		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