ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® MALECTRONICS INDUSTRIES®	PC. Bannockl	ourn, Illinois, A	ll rights reserved utions.	under both	This docume level parts, t	ent is a declaration he declaration er	on of the su compasses	bstances v all lower	within the manufactu level materials for w	rer listed	item. Note: nanufacture	if the item is an as er has engineering	sembly with lowe responsibility.
IPC Web Site for Information on IPC-1752 Standard Form Typ				Form Type Distribute	*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information							
Supplier Information													
Company name*	Company uni	Company unique ID			Unique ID Authority				Respon	Response Date*			
onsemi						2024-05-19							
Contact Name Title - Contact			et			Phone - Contact*				Email - Contact*			
Product-Env-Stewards	Product Enviro Compliance			NA			Product-Env-Stewards@onsemi.com						
Authorized Representative*	Title - Repres	Fitle - Representative			Phone - Representative*			Email -	Email - Representative*				
Product-Env-Stewards	Product Envir	Product Enviro Compliance NA Product-Env-S				t-Env-Stev	v-Stewards@onsemi.com						
Requester Item Number	Requester Item Number Mfr Item Numb		Iumber Mfr Item Name			Effective Date	Version	N	Manufacturing Site		Weight*	UOM	Unit Type
	AR0820 A0-TPB	ATSC18XME 8MP 1/2 CIS SO				2024-05-19		Т	TWU		294.06	mg	Each
Manufacturing Proccess Informa	tion												
Terminal Plating / Grid Array Material Terminal Base Alloy J-STD-020 M			J-STD-020 MSL	Rating	Peak Proce	ss Body Te	emperature	e Max Time at Peak	Tempera	ture Num	ber of Reflow Cyc	eles	
SnAgCu CU Alloy 3				3		260		С	30	seco	nds 3		
Comments													
TTENTION: MSL 3 Rated item require	s Bake and I	Dry 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		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 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	ances per the definitio	on above	Supplier Acceptance	* Accepted
Exemption: If the declared item does not con applicable exemptions.	ntain RoHS restricted substances per	the definition above	except for defined RoHS exempti	ons, then select the corresponding response i	n the RoHS Declaration above and choose all
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 5	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
Ероху	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