	Material Composit © Copyright 2005. IPC, F nternational and Pan-Am	Bannockburn, Illin	is. All rights reserved	under both	This docume level parts, t	ent is a declarat	ion of the su	ibstances v s all lower	within the manufactur level materials for w	er listed ite hich the ma	m. Note: if nufacturer	f the item is an as has engineering	sembly with low responsibility.
-759 91 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 Informati	ion												
Company name* Company unique ID					1	Unique ID Authority			Response Date*				
nsemi									2023-06-08				
Contact Name			Contact Phone - Contact* Email -				Email - C	mail - Contact*					
Product-Env-Stewards			Product Enviro Compliance			NA			Product-Env-Stewards@onsemi.com				
Authorized Representative*			epresentative	Phone - Representative* Email - Representative*									
Product-Env-Stewards			Enviro Compliance			NA		Product-Env-Stewards@onsemi.com				m	
Requester Item Number Mfr Item		Mfr Item Number	n Number Mfr Item Name			Effective Date	version	N	Manufacturing Site		eight*	UOM	Unit Type
		ASX340CS2C00S 0-DRBR1	PED VGA 1/4 SOC			2023-06-08		Т	A1	10)6.1	mg	Each
Ianufacturing Pro	occess Information	L											
Terminal Plating / Grid Array Material Terminal Base Alloy J-STD-02			J-STD-020 MSI	L Rating	Peak Proc	ess Body Te	emperature	e Max Time at Peak	Temperatu	re Numb	er of Reflow Cyc	les	
SnAgCu CU Alloy 3			3		260		С	30	second	s 3			
omments													
FTENTION: MSL 3 I	Rated item requires Bal	ke and Dry Pack	after electrical test)										
or more information r	egarding material com	position please re	er to page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chror	HS 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), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl halate (BBP), Dibutyl phthalate (DBP), Disobutyl phthalate (DIBP).										
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 con applicable exemptions.	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											
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	23.9	mg		Misc.	proprietary data		0.0908	mg
			Supplier	Silicon (Si)	7440-21-3		23.5726	mg
			Supplier	Aluminum (Al)	7429-90-5		0.2366	mg
Die Attach	2.2	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.825	mg
			Supplier	Ethylene Glycol	107-21-1		0.022	mg
			Supplier	Sulfonium (Thiodi-4,1-phenylene)	89452-37-9		0.066	mg
			Supplier	Modified Silicon Dioxide (SiO2)	67762-90-7		0.462	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.825	mg
maging Lens	29.3	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		1.465	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		1.465	mg
			Supplier	Boron Trioxide (B2O3)	1303-86-2		1.465	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		1.465	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.1465	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		1.465	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		1.465	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		20.3635	mg
Lid Attach	1.52	mg	Supplier	2-phenoxy ethyl acrylate	48145-04-6		0.684	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.304	mg
			Supplier	Epoxy Prepolymer	Proprietary Data		0.19	mg
			Supplier	Acrylate Oligomer	Proprietary Data		0.0076	mg
			Supplier	Curative	Proprietary Data		0.0304	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.304	mg
Mold Compound-Black	8.1	mg		Phenolic Resin	proprietary data		1.215	mg
			Supplier	Oxirane	39817-09-9		1.215	mg
			Supplier	1,4-Bis(2,3-epoxypropoxy)butane	2425-79-8		0.243	mg
			Supplier	Carbon Black (C)	1333-86-4		0.081	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		5.184	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.162	mg
Solder Ball	21.73	mg	Supplier	Silver (Ag)	7440-22-4		0.6519	mg
			Supplier	Tin (Sn)	7440-31-5		20.9694	mg
			Supplier	Copper (Cu)	7440-50-8		0.1086	mg

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).

Substrate and Solder Mask	19.1	mg	Supplier	Bis(3-ethyl-5-methyl-4- maleimidophenyl)methane	105391-33-1	0.2139	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3	2.4754	mg
			Supplier	Zinc (Zn)	7440-66-6	0.0287	mg
			Supplier	Inorganic Filler of Solder Mask_Talc (Mg3Si4O10(OH)2)	14807-96-6	0.445	mg
			Supplier	Cyanic acid (1-methylethylidene)di-4,1- phenylene ester homopolymer	25722-66-1	0.2139	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9	0.1108	mg
			Supplier	Chromium (Cr)	7440-47-3	0.0019	mg
			Supplier	Acetophenone Derivative	Proprietary Data	0.6666	mg
			Supplier	Carbon Black (C)	1333-86-4	0.1108	mg
			Supplier	2,4-Diethyl-9H-thioxanthen-9-one (DETX)	82799-44-8	0.1108	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2	2.292	mg
			В	Nickel (Ni)	7440-02-0	0.2693	mg
			Supplier	Gold (Au)	7440-57-5	0.0096	mg
			Supplier	Solvent Naphtha (Solvent oil)	64742-94-5	1.3351	mg
			Supplier	Formaldehyde Polymer	9003-36-5	0.2139	mg
			Supplier	Copper (Cu)	7440-50-8	7.1549	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7	3.4475	mg
Wire Bond - Au	0.25	mg	Supplier	Gold (Au)	7440-57-5	0.25	mg