© Copyright 200	mposition De 05. IPC, Bannockl 1 Pan-American c	ourn, Illinois. A	ll rights reserved utions.	under both	This docume level parts, t	ent is a declarati he declaration e	on of the su	ibstances v s all lower	within the manufactu level materials for w	rer listed it which the m	em. Note: anufacture	if the item is an as r has engineering	sembly with low responsibility.
	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							
upplier Information													
ompany name*		Company uni	que ID		Unique ID Authority			Response Date*					
onsemi						2025-07-02							
Contact Name Title - Contact			t]	Phone - Contact* Email - Contact*							
Product-Env-Stewards Produ			roduct Enviro Compliance			NA			Product-Env-Stewards@onsemi.com				
Authorized Representative* Title - R			entative	Phone - Representative* Email - Represen			Represent	resentative*					
Product-Env-Stewards Pr			ro Compliance			NA	Product-Env-Stewards@onsemi.com				m		
Requester Item Number Mfr Item		n Number	Iumber Mfr Item Name			Effective Date	Version	M	Manufacturing Site		Veight*	UOM	Unit Type
	AR0147 A5-DRE	R0147ATSC00XUE 1MP 1/4 CIS SO 5-DRBR				2025-07-02		M	MY5		82.002	mg	Each
Ianufacturing Proccess Infor	mation												
Terminal Plating / Grid Array Material Terminal Base Alloy			Alloy	J-STD-020 MSL	Rating	Peak Proc	ess Body Te	emperature	e Max Time at Peak	. Temperati	ire Num	ber of Reflow Cyc	les
SnAgCu CU Alloy 3			3		260		С	30	second	ls 3			
omments													
TTENTION: MSL 3 Rated item req	uires Bake and I	ry Pack (after	electrical test)										
or more information regarding mate	rial 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 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.	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	18.4	mg		Misc.	proprietary data		0.0699	mg
			Supplier	Silicon (Si)	7440-21-3		18.1479	mg
			Supplier	Aluminum (Al)	7429-90-5		0.1822	mg
Die Attach	1.315	mg	Supplier	Siloxanes and Silicones, di-Me, hydroxy- terminated, reaction products with Me hydrogen siloxanes and trimethoxy(3- (oxiranylmethoxy)propyl)silane	153890-18-7		0.263	mg
			Supplier	1,1'-(Methylenedi-p- phenylene)bismaleimide	13676-54-5		0.5918	mg
			Supplier	2,2-Bis(4-hydroxyphenyl)propane- epichlorohydrin copolymer acrylate	55818-57-0		0.1315	mg
			Supplier	2,2-dimethyl-1,3-propanediyl dimethacrylate	1985-51-9		0.1315	mg
			Supplier	2-phenoxy ethyl acrylate	48145-04-6		0.1315	mg
			Supplier	Epoxy Phenol Novolak Resin	28064-14-4		0.0658	mg
Ероху	1.214	mg	Supplier	Imidazole Addition	68490-66-4		0.3642	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.1214	mg
			Supplier	Zirconium Dioxide (ZrO2)	1314-23-4		0.1214	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.1214	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.4856	mg
Imaging Lens	17.649	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		0.9289	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		0.9289	mg
			Supplier	Boron Trioxide (B2O3)	1303-86-2		0.093	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.9289	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.9289	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		0.9289	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		12.9117	mg
Mold Compound	7.325	mg	Supplier	Hexahydromethylphthalic anhydride	25550-51-0		0.7325	mg
			Supplier	1,6-Bis(2,3-epoxypropoxy)naphthalene	27610-48-6		0.3663	mg
			Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.3663	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		5.86	mg
Solder Ball	38.864	mg	Supplier	Silver (Ag)	7440-22-4		1.1659	mg
			Supplier	Tin (Sn)	7440-31-5		37.5038	mg
			Supplier	Copper (Cu)	7440-50-8		0.1943	mg

Solder Mask	14.92	mg		Epoxy resin	proprietary data	8.1911	mg
			Supplier	Talc	14807-96-6	0.5222	mg
			Supplier	Misc.	Proprietary Data	0.3133	mg
			Supplier	Carbon Black (C)	1333-86-4	0.0746	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7	0.2984	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7	5.5204	mg
Substrate Copper Foil	9.63	mg	Supplier	Copper (Cu)	7440-50-8	9.63	mg
Substrate - Core Material	61.62	mg		Epoxy resin	proprietary data	13.3531	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3	48.2669	mg
Substrate Plating-Au	2.41	mg	Supplier	Gold (Au)	7440-57-5	2.41	mg
Substrate Plating-Cu	1.93	mg	Supplier	Copper (Cu)	7440-50-8	1.93	mg
Substrate Plating-Ni	5.78	mg	В	Nickel (Ni)	7440-02-0	5.78	mg
Wire Bond - Au	0.945	mg	Supplier	Gold (Au)	7440-57-5	0.945	mg