BEC 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 lowe level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering 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 Inform				Informati	on			
Supplier Information														
Company name* Company unique ID			ique ID		Unique ID Authority				Response Date*					
onsemi											2024-05-21			
Contact Name		Title - Conta	et		Phone - Contact*				]	Email - Contact*				
Product-Env-Stewards Product En			Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Repres			presentative !		Phone - Representative*			]	Email - Representative*					
Product-Env-Stewards		Product Envi	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	Requester Item Number Mfr Item		Number Mfr Item Name			Effective D	Effective Date Version Manufacturing Site		ng Site	W	eight*	UOM	Unit Type	
	NCH-RSL10-101S51- ACG				2024-05-21			KR9		31	5.953	mg	Each	
Manufacturing Proccess Informat	ion													
Terminal Plating / Grid Array Material Terminal Base Alloy J-STD-0			I-STD-020 MS	SL Rating	Peak Process Body Temperature Max Time at Pe		ne at Peak T	Temperature Number of Reflow Cycles		les				
Precious metal (e.g. Ag,Au, NiPdAu) (no CU Alloy 3 Sn)			3		260		C	30		seconds	3			
Comments														
TTENTION: MSL 3 Rated item requires	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 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
Antenna	0.634	mg	Supplier	Silver (Ag)	7440-22-4		0.0607	mg
		-	Supplier	Tin (Sn)	7440-31-5		0.0138	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0441	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.2539	mg
			Supplier	Barium Monoxide (BaO)	1304-28-5		0.0586	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.1918	mg
			Supplier	Calcium Monoxide (CaO)	1305-78-8		0.0042	mg
			В	Nickel (Ni)	7440-02-0		0.0069	mg
Capacitor	1.65	mg	Supplier	Boron Trioxide (B2O3)	1303-86-2		0.0081	mg
			Supplier	Tin (Sn)	7440-31-5		0.1	mg
			Supplier	Zirconium Dioxide (ZrO2)	1314-23-4		0.5349	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.032	mg
			Supplier	Misc.	Proprietary Data		0.1069	mg
			Supplier	Calcium Monoxide (CaO)	1305-78-8		0.428	mg
			В	Nickel (Ni)	7440-02-0		0.08	mg
			Supplier	Copper (Cu)	7440-50-8		0.36	mg
Capacitor-2	3.496	mg	Supplier	Tin (Sn)	7440-31-5		0.0951	mg
			В	Nickel (Ni)	7440-02-0		0.6181	mg
			Supplier	Barium Titanate (BaO3Ti)	12047-27-7		2.4021	mg
			Supplier	Copper (Cu)	7440-50-8		0.3807	mg
Capacitor-3	2.11	mg	Supplier	Tin (Sn)	7440-31-5		0.0527	mg
			В	Nickel (Ni)	7440-02-0		0.2901	mg
			Supplier	Barium Titanate (BaO3Ti)	12047-27-7		1.7144	mg
			Supplier	Copper (Cu)	7440-50-8		0.0527	mg
Die	5.126	mg	Supplier	Silicon (Si)	7440-21-3		5.126	mg
nductor	6.125	mg	Supplier	Tin oxide (SnO2)	18282-10-5		0.0466	mg
			Supplier	Copper(II) Oxide (CuO)	1317-38-0		0.419	mg
			Supplier	Silver (Ag)	7440-22-4		2.7484	mg
			Supplier	Boron Trioxide (B2O3)	1303-86-2		0.4237	mg
			Supplier	Tin (Sn)	7440-31-5		0.3826	mg
			Supplier	Nickel Oxide (NiO)	1313-99-1		0.419	mg
			В	Bismuth Trioxide (Bi2O3)	1304-76-3		0.0466	mg

			Supplier	Zinc Monoxide (ZnO)	1314-13-2	0.8845	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9	0.7549	mg
			Supplier	Misc.	Proprietary Data	-1.4005	mg
			Supplier	Iron Trioxide (Fe2O3)	1309-37-1	-1.4567	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1	-4.2031	mg
			B	Nickel (Ni)	7440-02-0	-5.7457	mg
			Supplier	Cobalt Oxide (CoO)	1307-96-6	-6.0688	mg
			Supplier	Manganese Tetraoxide (Mn3O4)	1317-35-7	-6.0784	mg
Mold Compound	104.617	mg		Epoxy resin	proprietary data	9.5787	mg
I		0	Supplier	Phenolic Resin	Proprietary Data	6.3858	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9	31.9275	mg
			Supplier	Carbon Black (C)	1333-86-4	0.3193	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2	3.1928	mg
			Supplier	Fused Silica (SiO2)	60676-86-0	53.2128	mg
Resistor	2.34	mg		Silicone Resin	proprietary data	0.006	mg
		Ũ	Supplier	Cobalt (Co)	7440-48-4	0.088	mg
			Supplier	Titanium Dioxide (TiO2)	13463-67-7	0.012	mg
			Supplier	Silver (Ag)	7440-22-4	0.116	mg
			Supplier	Tin (Sn)	7440-31-5	0.005	mg
			Supplier	Molybdenum (Mo)	7439-98-7	0.009	mg
			Supplier	Tungsten (W)	7440-33-7	0.292	mg
			Supplier	Magnesium Monoxide (MgO)	1309-48-4	0.006	mg
			Supplier	Chromium (Cr)	7440-47-3	0.0001	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1	1.0979	mg
			Supplier	Calcium Monoxide (CaO)	1305-78-8	0.004	mg
			В	Nickel (Ni)	7440-02-0	0.261	mg
			Supplier	Gold (Au)	7440-57-5	0.0131	mg
			Supplier	Iron (Fe)	7439-89-6	0.213	mg
			Supplier	Chromium Trioxide (Cr2O3)	1308-38-9	0.047	mg
			Supplier	Copper (Cu)	7440-50-8	0.065	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7	0.105	mg
Shield	2.447	mg	Supplier	Copper (Cu)	7440-50-8	2.447	mg
Shield-2	2.026	mg	Supplier	White Phosphorus	12185-10-3	0.01	mg
			Supplier	Sulfur (S)	7704-34-9	0.01	mg
			Supplier	Carbon (C)	7440-44-0	0.1504	mg
			Supplier	Chromium (Cr)	7440-47-3	0.351	mg
			Supplier	Manganese (Mn)	7439-96-5	0.01	mg
			Supplier	Silicon (Si)	7440-21-3	0.0301	mg
			В	Nickel (Ni)	7440-02-0	1.4543	mg
			Supplier	Iron (Fe)	7439-89-6	0.01	mg

Solder Ball	1.912	mg	Supplier	Silver (Ag)	7440-22-4	0.0574	mg
			Supplier	Tin (Sn)	7440-31-5	1.8451	mg
			Supplier	Copper (Cu)	7440-50-8	0.0096	mg
Substrate	178.1	mg		Epoxy resin	proprietary data	2.3176	mg
			Supplier	copper	7440-66-6	36.5586	mg
			Supplier	Cured Thermosetting Resin	Proprietary Data	67.7653	mg
			Supplier	Talc	14807-96-6	1.3906	mg
			Supplier	Phosphinoxide Derivative	Proprietary Data	1.3906	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3	49.4318	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9	5.0988	mg
			Supplier	Palladium (Pd)	7440-05-3	0.2135	mg
			В	Nickel (Ni)	7440-02-0	4.8057	mg
			Supplier	Gold (Au)	7440-57-5	0.3204	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7	8.807	mg
Underfill	6.37	mg	Supplier	2,3-epoxypropyl neodecanoate	26761-45-5	0.1593	mg
			Supplier	3,4-EPOXYCYCLOHEXYLMETHYL	2386-87-0	0.2389	mg
			Supplier	Silver (Ag)	7440-22-4	4.7775	mg
			Supplier	Formaldehyde Polymer	9003-36-5	0.2389	mg
			Supplier	Copper (Cu)	7440-50-8	0.9555	mg