IPC ASSOCIATION ELECTRONIC	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			nder both					within the manufar level materials for				
752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Form Type Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information					on			
upplier	r Information						·							
Company name* Company unique ID				Į	Unique ID Authority					Response Date*				
nsemi										2023-	2023-06-06			
ontact N	lame		Title - Contact			I	Phone - Contact*				Email	Email - Contact*		
Product-E	Env-Stewards		Product Enviro Compliance]	NA				Prod	Product-Env-Stewards@onsemi.com		
Authorized Representative*				Title - Representative			Phone - Representative*			Email	Email - Representative*			
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	Requester Item Number Mfr I		n Number	Number Mfr Item Name			Effective Date	Version	n I	Manufacturing Site		Weight*	UOM	Unit Type
		STK551	U3A2A-E	3phase inverter HI	C		2023-06-06		,	VN2		16700.0	mg	Each
	cturing Process Inform		Terminal Base	Alloy	STD 020 MS	I Dating	Dook Prog	ass Pody	Tomporatu	May Time at I	took Tompo	rotura Numb	or of Poflow Cv	alac
8		CU Allov	- 7	J-STD-020 MSL Ratin		Peak Process Body Temperature Max Time at P			ak Temperature Number of Reflow Cycles seconds 3					
omments	. ,		CO Alloy		ın_				<u> </u>	130	Sec	onus 3		
omments														
or more i	information regarding materia	al composition	nlease refer to	n nage 3										

RoHS Material Composition Declaration			Declaration 7	Гуре *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU RoHS 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 (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier prov											
RoHS Declaration * 4 - Item(s	does not contain RoHS restricted substances	per the definition above except for sele	ted exemptions	Supplier Acceptance	* Accepted						
Exemption: 7c-I Electrical and electronic co	omponents containing lead in a glass or cera	mic other than dielectric ceramic in	apacitors, e.g. piezoelect	ronic devices, or in a glass or co	eramic matrix compound.						
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructions: Complete all of the required f Requester) and click on Submit Form to ha		ccepted" on the Supplier Acceptance	drop-down. This will dis	play the signature area. Digital	lly sign the declaration (if required by the						
Supplier Digital Signature Ra	astislav Drska	E_									

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.

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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Ceramic Substrate	4828.54	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		79.6709	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		321.5807	mg
			В	Nickel (Ni)	7440-02-0		7.7257	mg
			Supplier	Copper (Cu)	7440-50-8		317.2351	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7		0.9657	mg
			Supplier	Aluminum (Al)	7429-90-5		4101.3618	mg
Chip Parts	52.8	mg	Supplier	Silver (Ag)	7440-22-4		1.1616	mg
			Supplier	Epoxy resins	129915-35-1		0.4066	mg
			Supplier	Tin (Sn)	7440-31-5		1.489	mg
			Supplier	Magnesium Monoxide (MgO)	1309-48-4		0.1056	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.7445	mg
			Supplier	Ceramic	12013-47-7, 12047- 27-7		8.543	mg
			Supplier	Phenolic resins	Proprietary Data		0.0528	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0053	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		33.8026	mg
			В	Nickel (Ni)	7440-02-0		2.4024	mg
			A	Lead Oxide (PbO)	1317-36-8	7c	0.0581	mg
			Supplier	Copper (Cu)	7440-50-8		3.5323	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.4963	mg
Die	36.19	mg	Supplier	Silicon (Si)	7440-21-3		36.19	mg
Die Attach	1.77	mg	Supplier	Silver (Ag)	7440-22-4		1.2162	mg
			Supplier	Other Epoxy resins	Proprietary Data		0.2683	mg
			Supplier	Tin (Sn)	7440-31-5		0.1749	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.0678	mg
			В	Antimony (Sb)	7440-36-0		0.0161	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		0.0267	mg
Heat Sink	1315.9	mg	Supplier	Silver (Ag)	7440-22-4		12.8958	mg
			Supplier	Copper (Cu)	7440-50-8		1303.0042	mg
Lead Frame	843.67	mg	Supplier	Tin (Sn)	7440-31-5		0.5062	mg
			Supplier	Copper (Cu)	7440-50-8		843.1638	mg
Mold Compound-Black	9518.32	mg		Brominated epoxy resin	proprietary data		190.3664	mg

			Supplier	Phenolic Resin	Proprietary Data	571.0992	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data	190.3664	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4	285.5496	mg
			Supplier	Fused Silica (SiO2)	60676-86-0	951.832	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2	666.2824	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7	6662.8242	mg
Plating	11.8	mg	Supplier	Tin (Sn)	7440-31-5	5.9	mg
			В	Nickel (Ni)	7440-02-0	5.9	mg
Solder Ball	44.27	mg	Supplier	Silver (Ag)	7440-22-4	1.3724	mg
			Supplier	Tin (Sn)	7440-31-5	42.57	mg
			В	Antimony (Sb)	7440-36-0	0.0044	mg
			Supplier	Copper (Cu)	7440-50-8	0.3232	mg
Wire Bond	46.74	mg	Supplier	Silicon (Si)	7440-21-3	0.0047	mg
			Supplier	Aluminum (Al)	7429-90-5	46.7353	mg