IPC ASSOCIATION ELECTRONICS	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved u international and Pan-American copyright conventions.			nder both									the item is an as has engineering	
752-21.1	1.1 IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute					e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information								
upplier	· Information														
Company name* Company unique ID				Į	Unique ID Authority					Response Date*					
nsemi											2024-05-05				
ontact Na	ame		Title - Conta	Title - Contact			Phone - Contact*					Email - Contact*			
Product-E	Env-Stewards		Product Enviro Compliance			]	NA					Product-Env-Stewards@onsemi.com			
Authorized Representative*				Title - Representative			Phone - Representative*			Email - Representative*					
Product-Env-Stewards Product Enviro Compliance					1	NA					Product-Env-Stewards@onsemi.com				
	Requester Item Number	Mfr Iten	n Number Mfr Item Name				Effective Date Version Manufact		Manufacturi	ing Site	V	Veight*	UOM	Unit Type	
		STK544	UC62K-E	3phase inverter HI	IC		2024-05-05			VN5		1	3900.0	mg	Each
	cturing Process Informa		Terminal Base	Alloy	-STD-020 MS	'I Dating	Dook Proc	agg Pody	Tamparat	ure Max Tir	ma at Paak	Tamparati	uro Numb	er of Reflow Cyc	Jac
	Matte Tin (Sn) - annealed		CU Allov	- 7	- <u>3 1 D-020 M3</u> <b>VA</b>	L Kaung	0	ess bouy	C	30	ne at reak	second		el of Kellow Cyc	les
omments	` /		CU AHUY	1	1/1		U			130		second	15   3		
omments															
r more i	information regarding materia	l composition	nlease refer t	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% b (Pb), Mercury (Hg), Hexavalent Chromium phthalate (BBP), Dibutyl phthalate (DBP), I	(Cr6+), Polybrominated Biphenyls (PB									
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 cornel 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 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 Islability and the Company's remedies for issues that arise regarding information the Supplier provides in this fo											
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).

<b>Homogeneous Material</b>	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Ceramic Substrate	4678.99	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		58.4874	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		230.6742	mg
			В	Nickel (Ni)	7440-02-0		7.9543	mg
			Supplier	Acrylic resins	Proprietary Data		3.2753	mg
			Supplier	Copper (Cu)	7440-50-8		314.4281	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7		2.3395	mg
			Supplier	Aluminum (Al)	7429-90-5		4061.8313	mg
Chip Parts	49.8	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		0.0149	mg
			Supplier	Silver (Ag)	7440-22-4		2.1812	mg
			Supplier	Epoxy resins	129915-35-1		0.6076	mg
			Supplier	Bisphenol A, Epichlorohydrin polymer	25036-25-3, 25068- 38-6		0.0299	mg
			Supplier	Tin (Sn)	7440-31-5		1.5787	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		1.3695	mg
			Supplier	Ceramic	12013-47-7, 12047- 27-7		8.1074	mg
			Supplier	Phenolic resins	Proprietary Data		0.1444	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0149	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		31.882	mg
			В	Nickel (Ni)	7440-02-0		2.4053	mg
			A	Lead Oxide (PbO)	1317-36-8	7c	0.1245	mg
			Supplier	Copper (Cu)	7440-50-8		1.3396	mg
Die	29.47	mg	Supplier	Silicon (Si)	7440-21-3		29.47	mg
Die Attach	1.56	mg	Supplier	Silver (Ag)	7440-22-4		1.2012	mg
			Supplier	Other Epoxy resins	Proprietary Data		0.2652	mg
			Supplier	Other Metal Oxide	Proprietary Data		0.0671	mg
			В	Antimony Pentoxide (Sb2O5)	1314-60-9		0.0265	mg
Lead Frame	788.87	mg	Supplier	Iron (Fe)	7439-89-6		0.71	mg
			Supplier	Copper (Cu)	7440-50-8		788.0023	mg
			Supplier	Phosphorus (P)	7723-14-0		0.1578	mg
Mold Compound-Black	8247.03	mg		Brominated epoxy resin	proprietary data		164.9406	mg
			Supplier	Phenolic Resin	Proprietary Data		494.8218	mg

			Supplier	Epoxy Phenol Resin	Proprietary Data	164.9406	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4	247.4109	mg
			Supplier	Fused Silica (SiO2)	60676-86-0	824.7031	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2	577.2921	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7	5772.9209	mg
Plating	16.97	mg	Supplier	Tin (Sn)	7440-31-5	8.8617	mg
			В	Nickel (Ni)	7440-02-0	8.1083	mg
Solder Ball	43.83	mg	Supplier	Silver (Ag)	7440-22-4	1.3587	mg
			Supplier	Tin (Sn)	7440-31-5	42.1469	mg
			В	Antimony (Sb)	7440-36-0	0.0044	mg
			Supplier	Copper (Cu)	7440-50-8	0.32	mg
Wire Bond	43.48	mg	Supplier	Silicon (Si)	7440-21-3	0.0043	mg
			Supplier	Aluminum (Al)	7429-90-5	43.4757	mg