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 lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.											
1752-21.1	IDC Wah Site for Information on IDC 1752 Standard Form Type				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					eous Materi	ials and Mfg Information					
Supplier	· Information															
Company name* Company unique ID				ique ID	Uniqu			Unique ID Authority					Response Date*			
onsemi													2023-06-08			
Contact Na	ame	Title - Contact				Phone - Contact*					Email - Contact*					
Product-E	Env-Stewards		Product Envi	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Authorized	d Representative*	Title - Representative				Phone - Representative*				Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Dat	e Date Version Manufacturing Site		W	eight*	UOM	Unit Type			
		STK5Q4	STK5Q4U352J-E Inverter				2023-06-08		VN2		48	800.0	mg	Each		
Manufac	cturing Proccess Informa	tion						,						•		
	Terminal Plating / Grid Array Material		erminal Base Alloy J-STI		STD-020 MS	L Rating	Peak Process Body Temperatu		ure Max Ti	me at Peak	Temperatu	re Numb	er of Reflow Cyo	eles		
	Matte Tin (Sn) - annealed		CU Alloy NA		A		0 C 30		30		seconds 3					
Comments																
									·							
or more i	information regarding material	composition	please refer to	page 3												

RoHS Material Composition Declaration			Declaration Type *	Detail	led						
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).											
cadmium, hexavalentchromium, polybromir contains a RoHS restricted substance inexce encompass all such components. Supplier ce as of the date that Supplier completes this fo Company acknowledges that Supplier may l independently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated dipless of an applicable quantity limit, please intifies that it gathered the information it prome. Supplier acknowledges that Company have relied on information provided by other by others, Supplier agrees that, at a mining and the Supplier enter into a written agree esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substational substance below which, if any, RoHS exemption by desired in this form using appropriate method will rely on this certification in determining ters in completing this form, and that Supplies have provided certification between the will respect to the identified part, the Company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects the company is the co	ws of the European Union member states) of the pnce") in excess of the applicable quantity limit iden you believe may apply. If the part is an assemble is to ensure its accuracy and that such information the compliance of its products with European Union may not have independently verified such informs regarding their contributions to the part, and tho terms and conditions of that agreement, including the provides in this formation information the Supplier provides in this formation.	entified above. If a y with lower level is true and correct on member state la nation. However, in se certifications are any warranty rigl	n homogeneous material within the part components, the declaration shall t to the best of its knowledge and belief, aws that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the hts and/or remedies provided as part of						
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	ceptance *	Accepted						
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 applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recruired by the						
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	the declaration (if required by the						

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	1043.88	mg	Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		452.9395	mg
			В	Nickel (Ni)	7440-02-0		7.7247	mg
			Supplier	Copper (Cu)	7440-50-8		583.2157	mg
Chip Parts	1.12	mg	Supplier	Silver (Ag)	7440-22-4		0.089	mg
			Supplier	Tin (Sn)	7440-31-5		0.0292	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.0055	mg
			Supplier	Ceramic	12013-47-7, 12047- 27-7		0.9641	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0193	mg
			В	Nickel (Ni)	7440-02-0		0.0129	mg
Die	22.68	mg	Supplier	Silicon (Si)	7440-21-3		22.68	mg
Lead Frame	453.69	mg	Supplier	Tin (Sn)	7440-31-5		0.2722	mg
			Supplier	Copper (Cu)	7440-50-8		453.4178	mg
Mold Compound-Black	3183.34	mg		Phenolic Resin	proprietary data		222.8338	mg
			Supplier	Carbon Black (C)	1333-86-4		9.55	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		2546.6721	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		404.2842	mg
Plating	1.17	mg	Supplier	Tin (Sn)	7440-31-5		0.7243	mg
			В	Nickel (Ni)	7440-02-0		0.4457	mg
Solder Ball	89.42	mg	Supplier	Silver (Ag)	7440-22-4		2.6558	mg
			Supplier	Tin (Sn)	7440-31-5		86.2724	mg
			В	Antimony (Sb)	7440-36-0		0.0894	mg
			Supplier	Copper (Cu)	7440-50-8		0.4024	mg
Wire Bond	4.7	mg	Supplier	Silicon (Si)	7440-21-3		0.0052	mg
			Supplier	Aluminum (Al)	7429-90-5		4.6948	mg