ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES® International and	<b>position De</b> 5. IPC, Bannockt Pan-American co	claration ourn, Illinois. A opyright conve	All rights reserved untions.	under both	This docume level parts, t	ent is a declarati he declaration e	on of the substanc ncompasses all lo	es within the manufac wer level materials for	turer listed which the	item. Note: i manufacturer	f the item is an as has engineering	sembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Ty			Form Type Distribute	<ul> <li>Declaration Class *</li> <li>Class 6 - RoHS Yes/No, Homogeneous Materi</li> </ul>				erials and N	ials and Mfg Information			
upplier Information													
Company name* Con			Company unique ID			Unique ID Authority				Response Date*			
onsemi										2023-06-08			
Contact Name Title - Contact			ct	Р		Phone - Contact*			Email	Email - Contact*			
Product-Env-Stewards Pro			Product Enviro Compliance			NA			Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Representative			entative I		Phone - Representative*			Email	Email - Representative*				
Product-Env-Stewards Produ			Product Enviro Compliance			NA			Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number			nber Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type	
	STK5Q4	STK5Q4U362J-E Inverter				2023-06-08		VN2		4800.0	mg	Each	
Ianufacturing Proccess Inform	nation					•	-						
Terminal Plating / Grid Array	Terminal Plating / Grid Array Material Terminal Base		Alloy J-STD-020 MSL Rat		L Rating	Peak Process Body Temperature Max Tim		ture Max Time at Pe	ak Tempera	ature Numb	er of Reflow Cyc	les	
Matte Tin (Sn) - annealed		CU Alloy NA			0	С	30 seco		nds 3				
omments													
or more information regarding mater	ial composition	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	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), Disobutyl phthalate (DIBP).										
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 y 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 co 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	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
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

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).