ASEOCIATION CONNECTING ELECTRONICS INDUSTRIES INCOMPACTING International an	<b>mposition De</b> 05. IPC, Bannockt d Pan-American co	c <b>laration</b> ourn, Illinois. <i>A</i> opyright conve	All rights reserved untions.	under both	This docume level parts, th	ent is a declaration er	n of the substanc compasses all lo	es within the manu wer level materials	facturer listed for which the	d item. Note: e manufacture	if the item is an as r has engineering	sembly with low responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Type			*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information							
upplier Information												
Company name* Co			Company unique ID			Unique ID Authority			Respo	Response Date*		
onsemi					20					2023-06-08		
Contact Name Title - Contact			ct		1	Phone - Contact* Email - Co			ail - Contact*			
Product-Env-Stewards Prod			Product Enviro Compliance			NA			Prod	Product-Env-Stewards@onsemi.com		
Authorized Representative* Title - Representati			sentative		Phone - Representative* Email - Representative*							
Product-Env-Stewards Produ			Enviro Compliance NA			NA	Prod			Product-Env-Stewards@onsemi.com		
Requester Item Number	Mfr Item			Mfr Item Name		Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type
	STK672	STK672-630AN-E Stepping motor dr		river		2023-06-08		VN2		3850.0	mg	Each
Ianufacturing Proccess Info	mation					-						
Terminal Plating / Grid Arra	Terminal Plating / Grid Array Material Terminal Base		Alloy	J-STD-020 MSI	MSL Rating Peak I		k Process Body Temperature Max Time at Peak		Peak Tempe	rature Num	ber of Reflow Cyc	eles
Matte Tin (Sn) - annealed C		CU Alloy	]	NA		0	С	30	sec	onds 3		
omments												
or more information regarding mat	erial composition	please refer to	page 3									

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chro	oHS 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 b), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl athalate (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 knowledges 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 informationprovided 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, itsuppliers 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 is an 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 uses that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Sup												
<b>RoHS Declaration *</b> 4 - Item(s	) does not contain RoHS restricted subst	ances per the definition above except for se	elected exempt	ions Supplier Acceptance	* Accepted							
Exemption: 7c-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.												
Exemption List Version	EL-2011/534/EU											
Declaration Signature												
Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.												
Supplier Digital Signature R	astislav 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	1188.99	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		7.015	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		46.1328	mg
			В	Nickel (Ni)	7440-02-0		2.0213	mg
			Supplier	Acrylic resins	Proprietary Data		0.8323	mg
			Supplier	Copper (Cu)	7440-50-8		81.3269	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7		0.5945	mg
			Supplier	Aluminum (Al)	7429-90-5		1051.0671	mg
Chip Parts	30.75	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		0.0031	mg
			Supplier	Silver (Ag)	7440-22-4		0.6611	mg
			Supplier	Epoxy resins	129915-35-1		0.2552	mg
			Supplier	Tin (Sn)	7440-31-5		1.0916	mg
			Supplier	Magnesium Monoxide (MgO)	1309-48-4		0.1661	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.6857	mg
			Supplier	Ceramic	12013-47-7, 12047- 27-7		4.9108	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0492	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0123	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		20.4088	mg
			В	Nickel (Ni)	7440-02-0		1.4791	mg
			А	Lead Oxide (PbO)	1317-36-8	7c	0.0861	mg
			Supplier	Copper (Cu)	7440-50-8		0.9409	mg
Die	4.95	mg	Supplier	Silicon (Si)	7440-21-3		4.9401	mg
			Supplier	Polyimide	Proprietary Data		0.0099	mg
Lead Frame	464.5	mg	Supplier	Tin (Sn)	7440-31-5		0.2787	mg
			Supplier	Copper (Cu)	7440-50-8		464.2213	mg
Iold Compound-Black	2152.19	mg		Brominated epoxy resin	proprietary data		43.0438	mg
			Supplier	Phenolic Resin	Proprietary Data		150.6533	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		43.0438	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1506.533	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		408.9161	mg
Plating	0.94	mg	Supplier	Tin (Sn)	7440-31-5		0.582	mg
			В	Nickel (Ni)	7440-02-0		0.358	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).

Solder Ball	6.41	mg	Supplier	Silver (Ag)	7440-22-4	0.1788	mg
			Supplier	Tin (Sn)	7440-31-5	6.1946	mg
			В	Antimony (Sb)	7440-36-0	0.0051	mg
			Supplier	Copper (Cu)	7440-50-8	0.0314	mg
Wire Bond	1.27	mg	Supplier	Silicon (Si)	7440-21-3	0.0041	mg
			Supplier	Aluminum (Al)	7429-90-5	1.2659	mg