	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			under both	This docume level parts, t	ent is a declarat he declaration e	ion of the su encompasse	ubstances s all lower	within the manu level materials	facturer liste for which th	d item. Note e manufactur	: if the item is an as er has engineering	ssembly with lowe responsibility.		
1752-21.1	.1 IPC Web Site for Information on IPC-1752 Standard Form Type Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and M					Mfg Inform	ation			
Supplie	r Information														
Company name* Company unique ID					1	Unique ID Authority					Response Date*				
onsemi										2023-	2023-06-08				
Contact N	Name		Title - Contact]	Phone - Contact*				Emai	Email - Contact*			
Product-l	Env-Stewards		Product Enviro Compliance				NA				Prod	Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*	Title - Representative]	Phone - Representative*			Emai	Email - Representative*					
Product-l	Env-Stewards	Product Env	Product Enviro Compliance NA Product-Env-Stewards@on					wards@onsemi.co	@onsemi.com						
	Requester Item Number Mfr Item		Number	Number Mfr Item Name			Effective Date	Version	N	Manufacturing Site		Weight*	UOM	Unit Type	
		STK672-640CN-E Stepping motor dr		river		2023-06-08	i-08 VN2			3860.0	mg	Each			
/Ianufa	ecturing Proccess Informa	tion										·			
	Terminal Plating / Grid Array Material		erminal Base	Alloy J-STD-020 MSL		L Rating	Peak Process Body Temperat		emperatur	e Max Time at	Peak Tempe	rature Nur	nber of Reflow Cyc	cles	
Matte Tin (Sn) - annealed		CU Alloy		NA		0		С	30	sec	conds 3				
omments	S														
or more	information regarding material	composition	please refer to	o page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU												
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 completes this form. 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 may have relied on informationprovided by others in completing this form, and that Supplier may not have independently verified 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 rise is used to the identified part, the terms and conditions of that agreement, including any warranty rights and/or member site agreement, the warranty rights and/or remedies of Supplier's Itality and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms andConditions of Sale applicable to such part shall apply.												
RoHS Declaration * 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 c	omponents containing lead in a glass o	r ceramic other than dielectric ceramic	in capacitors,	e.g. piezoelectronic devices, or in a glass or c	eramic 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	1141.8	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6	_	6.5083	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		43.3884	mg
			В	Nickel (Ni)	7440-02-0		2.0552	mg
			Supplier	Acrylic resins	Proprietary Data		0.7993	mg
			Supplier	Copper (Cu)	7440-50-8		40.5339	mg
			Supplier	Barium Sulfate (BaSO4)	7727-43-7		0.6851	mg
			Supplier	Aluminum (Al)	7429-90-5		1047.83	mg
Chip Parts	28.4	mg	Supplier	Silver (Ag)	7440-22-4		0.1562	mg
			Supplier	Epoxy resins	129915-35-1		0.0227	mg
			Supplier	Bisphenol A, Epichlorohydrin polymer	25036-25-3, 25068- 38-6		0.0114	mg
			Supplier	Tin (Sn)	7440-31-5		0.869	mg
			Supplier	Magnesium Monoxide (MgO)	1309-48-4		0.1505	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.2897	mg
			Supplier	Ceramic	12013-47-7, 12047- 27-7		6.2338	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0256	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0057	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		16.9434	mg
			В	Nickel (Ni)	7440-02-0		1.3944	mg
			А	Lead Oxide (PbO)	1317-36-8	7c	0.0312	mg
			Supplier	Chromium Trioxide (Cr2O3)	1308-38-9		0.0028	mg
			Supplier	Copper (Cu)	7440-50-8		2.0618	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.2016	mg
ie	9.01	mg	Supplier	Silicon (Si)	7440-21-3		8.9974	mg
			Supplier	Polyimide	Proprietary Data		0.0126	mg
ead Frame	473.5	mg	Supplier	Tin (Sn)	7440-31-5		0.2841	mg
			Supplier	Copper (Cu)	7440-50-8		473.2159	mg
Iold Compound-Black	2193.89	mg		Brominated epoxy resin	proprietary data		43.8778	mg
			Supplier	Phenolic Resin	Proprietary Data		153.5723	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		43.8778	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1535.7229	mg

			Supplier	Ortho-Cresol Novolac Resin	29690-82-2	416.8391	mg
Plating	0.95	mg	Supplier	Tin (Sn)	7440-31-5	0.5881	mg
			В	Nickel (Ni)	7440-02-0	0.3619	mg
Solder Ball	10.95	mg	Supplier	Silver (Ag)	7440-22-4	0.3055	mg
			Supplier	Tin (Sn)	7440-31-5	10.5821	mg
			В	Antimony (Sb)	7440-36-0	0.0088	mg
			Supplier	Copper (Cu)	7440-50-8	0.0537	mg
Wire Bond	1.5	mg	Supplier	Silicon (Si)	7440-21-3	0.0061	mg
			Supplier	Aluminum (Al)	7429-90-5	1.4938	mg