©	Laterial Composit Copyright 2005. IPC, I ternational and Pan-Am	Bannockb	urn, Illinois. A	ll rights reserved utions.	under both	This docume level parts, t	ent is a declara he declaration	tion of the sencompasse	ubstances es all lower	within the manufactur level materials for w	rer listed it hich the m	em. Note: i anufacture	f the item is an as r has engineering	sembly with lower responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ials and Mfg Information				
Supplier Informatio	n													
Company name*			Company unique ID				Unique ID Authority				Response Date*			
onsemi											2023-06-08			
Contact Name			Title - Contact				Phone - Contact*				Email - Contact*			
Product-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				NA				Product-Env-Stewards@onsemi.com					
Requester Iten	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Dat	e Version	N	Ianufacturing Site		Weight*	UOM	Unit Type
		NCP45541IMNTWG- BASSANOVA SN H		NOWCHICK -	Н	2023-06-08 PHG		ΉG	2	28.22	mg	Each		
Manufacturing Proc	ccess Information	I												
Terminal Plating / Grid Array Material Terr		erminal Base A	minal Base Alloy J-STD-020 MSI		L Rating	Peak Process Body Temperature		e Max Time at Peak	Temperat	ure Numb	per of Reflow Cyc	eles		
Matte Tin (Sn) - annealed CU			U Alloy 3			260 C		30	secon	ds 3				
Comments														
ATTENTION: MSL 3 Ra	ated item requires Ba	ke and D	ry Pack (after	electrical test)										
For more information reg	garding material com	position	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 v 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
Die	1.29	mg	Supplier	Silicon (Si)	7440-21-3		1.29	mg
Die Attach	0.12	mg		Epoxy resin	proprietary data		0.003	mg
			Supplier	Silver (Ag)	7440-22-4		0.1014	mg
			Supplier	Phenolic Resin	Proprietary Data		0.003	mg
			Supplier	Inorganic filler	Proprietary Data		0.003	mg
			Supplier	Dicyandiamine	461-58-5		0.0006	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.009	mg
Lead Frame	12.38	mg	Supplier	Silver (Ag)	7440-22-4		0.2476	mg
			Supplier	Tin (Sn)	7440-31-5		0.031	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0272	mg
			Supplier	Chromium (Cr)	7440-47-3		0.031	mg
			Supplier	Copper (Cu)	7440-50-8		12.0433	mg
Mold Compound-Black	13.55	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		1.084	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0677	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.271	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		11.7207	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.4065	mg
Plating	0.44	mg	Supplier	Tin (Sn)	7440-31-5		0.44	mg
Wire Bond - Au	0.44	mg	Supplier	Gold (Au)	7440-57-5		0.44	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).