© (	aterial Composit Copyright 2005. IPC, I ernational and Pan-Am	Bannockb	urn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, th	ent is a declar he declaratio	ration of t n encomp	the substance passes all low	s within the er level mat	manufactur erials for wl	rer listed it hich the m	em. Not anufact	te: if the turer has	item is an ass engineering 1	sembly with lowe responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information					
Supplier Information	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 Item	Requester Item Number Mfr Item   NCS2202		n Number Mfr Item Name 22AMUTBG Low Voltage Comparator, Open Drain				Effective Da	ate Ver	sion	ion Manufacturing Site		Weight*		¢	UOM	Unit Type
						Drain	2023-06-08 MY1			20.0		mg	Each			
Manufacturing Proc	ccess Information	l					1							1		
Terminal Platin	Terminal Plating / Grid Array Material		erminal Base Alloy J-STI		J-STD-020 MS	ASL Rating Pe		A Process Body Temperature Max Ti		ime at Peak	e at Peak Temperature		umber of	Reflow Cyc	les	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			CU Alloy 1		1		260		C	30		seconds 3				
Comments																
evel 1 - maximum time a	t peak temperature d	uring sol	dering is 10-3	0 seconds												
or more information reg	garding material com	position <b>p</b>	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 cc 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	ances per the definitio	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	0.2	mg	Supplier	Silicon (Si)	7440-21-3		0.2	mg
Die Attach	0.45	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.144	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.306	mg
Lead Frame	6.97	mg	Supplier	Tin (Sn)	7440-31-5		0.0174	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0153	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0174	mg
			Supplier	Copper (Cu)	7440-50-8		6.9198	mg
Mold Compound-Black	10.0	mg		Epoxy resin	proprietary data		0.7	mg
			Supplier	Phenolic Resin	Proprietary Data		0.7	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		1.5	mg
			Supplier	Carbon Black (C)	1333-86-4		0.05	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		7.05	mg
Plating	0.71	mg	Supplier	Palladium (Pd)	7440-05-3		0.0227	mg
			В	Nickel (Ni)	7440-02-0		0.6795	mg
			Supplier	Gold (Au)	7440-57-5		0.0078	mg
Wire Bond - Au	1.67	mg	Supplier	Gold (Au)	7440-57-5		1.67	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).