© Copyright	Composition De ht 2005. IPC, Bannock al and Pan-American d	burn, Illinois. A	Il rights reserved u ntions.	nder both	This docume level parts, th	ent is a declar he declaration	ration of the n encomp	he substances asses all low	within the er level mat	manufactur erials for wl	er listed it hich the m	em. Not anufacti	te: if the ite urer has eng	m is an ass gineering ro	embly with lowe esponsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribut				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ous Materia	ials and Mfg Information					
Supplier Information																
Company name*	Company un	Company unique ID			Unique ID Authority					Response Date*						
onsemi												2023-06-08				
Contact Name	Title - Conta	Title - Contact			Phone - Contact*					Email - Contact*						
Product-Env-Stewards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com						
Authorized Representative*	Title - Repre	Title - Representative			Phone - Representative*				Email - Representative*							
Product-Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com							
Requester Item Number	Requester Item Number Mfr Item Number WBD383MUTAG					Effective Da	ate Vers	te Version Manu		uring Site		Veight*	U	МС	Unit Type	
						2023-06-08 MY1			3.25		mg	g	Each			
Manufacturing Proccess I	nformation		1										1		1	
Terminal Plating / Grid	minal Plating / Grid Array Material Termin		Alloy J	loy J-STD-020 MSL Rat		Peak Pr	ocess Boo	Body Temperature Max Time at Peak		me at Peak	Temperature Number of		umber of Re	eflow Cycl	es	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		CU Alloy 1		1		260		С	30		second	ls 3				
Comments																
evel 1 - maximum time at peak to	emperature during s	oldering is 10-3	0 seconds													
or more information regarding	material 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), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP).										
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	0.17	mg	Supplier	Silicon (Si)	7440-21-3		0.17	mg
Die Attach	0.12	mg	Supplier	Epoxized Condensate Of Para- Hydrobenzaldehyde And Alkyl Phenol	129915-35-1		0.0384	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.0816	mg
Lead Frame	0.73	mg	Supplier	Zinc (Zn)	7440-66-6		0.0007	mg
			Supplier	Iron (Fe)	7439-89-6		0.0161	mg
			Supplier	Copper (Cu)	7440-50-8		0.7132	mg
Mold Compound-Black	2.15	mg		Epoxy Phenol Resin	proprietary data		0.1935	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1.9565	mg
Plating	0.01	mg	Supplier	Palladium (Pd)	7440-05-3		0.0003	mg
			В	Nickel (Ni)	7440-02-0		0.0096	mg
			Supplier	Gold (Au)	7440-57-5		0.0001	mg
Wire Bond - Au	0.07	mg	Supplier	Gold (Au)	7440-57-5		0.07	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).