© Cop	erial Composition byright 2005. IPC, Ba ational and Pan-Ame	annockburn, Illinoi	s. All rights reserved	under both	This docum level parts, t	ent is a declara he declaration	ation of the encompass	substances es all lowe	within the manufacture revel materials for w	urer listed	item. Note: i nanufacture	f the item is an as r has engineering	sembly with lower responsibility.	
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					rials and N	als and Mfg Information			
Supplier Information														
Company name*			Company unique ID			Unique ID Authority					Response Date*			
onsemi										2024-05	2024-05-10			
Contact Name T			Title - Contact			Phone - Contact*				Email -	Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance			NA				Produc	Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative			Phone - Representative*			Email -	Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance			NA				Produe	Product-Env-Stewards@onsemi.com			
Requester Item Nu	Requester Item Number Mfr Item		Number Mfr Item Name			Effective Da	te Versior	n :	Manufacturing Site		Weight*	UOM	Unit Type	
	Ν	AC14538BDWR20	G LOG CMOS M	LOG CMOS MLTIVIBRT DUAL		2024-05-10		:	PH1		422.01	mg	Each	
Manufacturing Procces	ss Information					·								
Terminal Plating / Grid Array Material Terminal Ba			se Alloy	J-STD-020 MS	L Rating	Peak Pro	cess Body '	Temperatu	re Max Time at Pea	k Tempera	ture Numb	per of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU Alloy				3		260		С	30	secor	nds 3			
Comments														
ATTENTION: MSL 3 Rated	l item requires Bak	e and Dry Pack (a	fter electrical test)											
For more information regard	ding material comp	osition please refe	r to page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	IS 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), Diisobutyl 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 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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	5.84	mg	Supplier	Silicon (Si)	7440-21-3		5.84	mg	
Die Attach	16.72	mg	Supplier	Silver (Ag)	7440-22-4		12.54	mg	
			Supplier	Epoxy resins	129915-35-1		4.18	mg	
Lead Frame	261.87	mg	Supplier	Silver (Ag)	7440-22-4		2.8806	mg	
			Supplier	Zinc (Zn)	7440-66-6		0.5237	mg	
			Supplier	Iron (Fe)	7439-89-6		6.8086	mg	
			Supplier	Copper (Cu)	7440-50-8		251.6571	mg	
Mold Compound-Black	133.38	mg		Epoxy resin	proprietary data		6.669	mg	
			Supplier	Phenolic Resin	Proprietary Data		6.669	mg	
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		2.6676	mg	
			Supplier	Carbon Black (C)	1333-86-4		0.6669	mg	
			Supplier	Fused Silica (SiO2)	60676-86-0		116.7075	mg	
Plating	3.83	mg	Supplier	Tin (Sn)	7440-31-5		3.83	mg	
Wire Bond - Cu	0.37	mg	Supplier	Copper (Cu)	7440-50-8		0.37	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