ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® Material Comp © Copyright 2005. 1 international and Pa	PC. Bannockl	burn. Illinois. A	All rights reserved untions.	under both le	his docume evel parts, t	ent is a declara he declaration	ion of the succession of the s	ubstances es all lowe	within the n r level mate	nanufacture rials for wh	er listed item ich the man	. Note: if ufacturer	f the item is an as has engineering	sembly with lowe responsibility.
				Form Type * Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater				ous Materia	als and Mfg Information				
Supplier Information														
Company name*	Company unique ID			1	Unique ID Authority					Response Date*				
onsemi											2024-05-11			
Contact Name Title - Contact			ct	t			Phone - Contact*				Email - Contact*			
Product-Env-Stewards	Product Env	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com					
Authorized Representative* Titl			Title - Representative			Phone - Representative*				Email - Representative*				
Product-Env-Stewards Pr			Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
Requester Item Number	equester Item Number Mfr Iten		n Number Mfr Item Name			Effective Dat	te Version Manufacturing Site		ng Site	We	ight*	UOM	Unit Type	
	NCD570	NCD5703BDR2G Metal Spin of NC IGBT Gate Drive		CD5703B. High Cu er	urrent	2024-05-11 PH1			69.73		mg	Each		
Manufacturing Proccess Informa	tion													
Terminal Plating / Grid Array M	Terminal Plating / Grid Array Material Terminal Base Alloy		Alloy	J-STD-020 MSL H	ASL Rating Peak		A Process Body Temperature Max Time at Peak		ne at Peak T	Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU Alloy			1		260		С	30		seconds	3			
Comments														
evel 1 - maximum time at peak temperat	ure during so	Idering is 10-3	30 seconds											
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	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	0.17	mg	Supplier	Silicon (Si)	7440-21-3	2	0.17	mg
Die Attach	0.1	mg		Epoxy resin	proprietary data		0.01	mg
		-	Supplier	Silver (Ag)	7440-22-4		0.08	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.01	mg
Lead Frame	37.61	mg	Supplier	Silver (Ag)	7440-22-4		0.8049	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0489	mg
			Supplier	Iron (Fe)	7439-89-6		0.9026	mg
			Supplier	Copper (Cu)	7440-50-8		35.8235	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0301	mg
Mold Compound-Black	29.77	mg		Epoxy resin	proprietary data		1.4885	mg
			Supplier	Phenolic Resin	Proprietary Data		0.5954	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.7442	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1488	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		26.793	mg
Plating	1.89	mg	Supplier	Tin (Sn)	7440-31-5		1.89	mg
Wire Bond - Au	0.19	mg	Supplier	Gold (Au)	7440-57-5		0.19	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).