ASOCIATION CONNECTING ELECTRONICS INDUSTRIES® INDUSTRIES®	burn, Illinois, All rights reserved	l under both This c	locument is a parts, the decl	declaration laration end	n of the substance compasses all low	es within the manufacture ver level materials for wh	er listed iten hich the man	n. Note: if th lufacturer ha	e item is an as s engineering	sembly with lower responsibility.	
IPC Web Site for Information on http://www.ipc.org/IPC-175x	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distributor			Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information							
Supplier Information											
Company name*		Unique ID Authority				Response Date*					
semi							2023-06-08				
Contact Name	Title - Contact		Phone - Contact*				Email - Contact*				
Product-Env-Stewards	Env-Stewards Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com			
Authorized Representative*		Phone - Representative*				Email - Representative*					
Product-Env-Stewards		NA				Product-Env-Stewards@onsemi.com					
Requester Item Number Mfr Iter	n Number Mfr Item Name	Mfr Item Name		tive Date	Version	Manufacturing Site		ight*	UOM	Unit Type	
NCD57	03ADR2G Metal Spin of N IGBT Gate Driv	VCD5703A. High Curren	nt 2023-	06-08		PH1	70.	06	mg	Each	
Manufacturing Proccess Information											
Terminal Plating / Grid Array Material	Terminal Base Alloy	J-STD-020 MSL Ratir	ng P	Peak Process Body		Cemperature Max Time at Peak		Number	of Reflow Cyc	les	
Matte Tin (Sn) - annealed CU Alloy 1		1	2	60	С	30	seconds	3			
Comments											
level 1 - maximum time at peak temperature during so	oldering is 10-30 seconds										
For 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		nium (Cr6+), Polybro	ominated Biphenyls (PBB), Polybron	dmium and quantity limit of 0.1% by mass (100 minated Diphenyl Ethers (PBDE), and Bis(2-eth	
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 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	1.58	mg	Supplier	Silicon (Si)	7440-21-3		1.58	mg
Die Attach	0.46	mg		Epoxy resin	proprietary data		0.046	mg
			Supplier	Ethylene dimethacrylate	97-90-5		0.023	mg
			Supplier	Silver (Ag)	7440-22-4		0.368	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.023	mg
Lead Frame 3'	37.61	mg	Supplier	Silver (Ag)	7440-22-4		0.7522	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0451	mg
			Supplier	Iron (Fe)	7439-89-6		0.8838	mg
			Supplier	Copper (Cu)	7440-50-8		35.9175	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0113	mg
Mold Compound-Black	28.33	mg		Epoxy resin	proprietary data		1.4165	mg
			Supplier	Phenolic Resin	Proprietary Data		0.5666	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.7082	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1416	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		25.497	mg
lating	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