<b>PC</b> SECULATION CONNECTING CODYRIGHT 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.					This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lowe level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and					rials and M	Afg Inform	nation		
Supplier Information														
Company name* Comp			Company unique ID			Unique ID Authority				Respo	Response Date*			
onsemi								2023-06-08						
ntact Name Title - Contact			ct	Phone - Contact*			ct* Emai			Email	nail - Contact*			
Product-Env-Stewards Product Envi			viro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Repre			esentative			Phone - Representative*				Email	Email - Representative*			
Product-Env-Stewards Prod			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	ve Date Version Manufacturing Site			Weight*	UOM	Unit Type		
	NCP139	NCP1393BDR2G HV HALF-BRIDG		GE DRIVER		2023-06-08		PI	PH1		72.0	mg	Each	
Ianufacturing Proccess Informat	tion						-	·				·		
Terminal Plating / Grid Array Ma	terial T	rial Terminal Base Alloy		J-STD-020 MSI	SL Rating Peak		k Process Body Temperature Max Time at Peak		k Temper	ature Nur	mber of Reflow Cy	cles		
Matte Tin (Sn) - annealed CU Allo		CU Alloy	1			260 C		30	seconds 3					
omments														
vel 1 - maximum time at peak temperatu	re during sol	dering 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), 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 contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
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.

	cable [E] enter the weigh			ance category (JIG or Requester) or ento [F] Optionally enter the positive (+) and				
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	1.33	mg	Supplier	Silicon (Si)	7440-21-3		1.33	mg
Die Attach	2.4	mg	Supplier	Silver (Ag)	7440-22-4		1.8	mg
			Supplier	Epoxy resins	129915-35-1		0.6	mg
Lead Frame	37.61	mg	Supplier	Silver (Ag)	7440-22-4		0.7898	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0752	mg
			Supplier	Iron (Fe)	7439-89-6		0.9403	mg
			Supplier	Copper (Cu)	7440-50-8		35.8047	mg
Mold Compound-Black	28.58	mg		Epoxy Phenol Resin	proprietary data		3.0009	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		25.5791	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