	CONNECTING Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			nder both	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				*	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information			
Supplier Info	rmation													
Company name*			Company unique ID				Unique ID Authority				Response Date*			
onsemi											2024-05-02			
Contact Name		Title - Contact				Phone - Contact*				Email - Contact*				
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Authorized Repr	resentative*	Title - Representative				Phone - Representative*				Email - Representative*				
Product-Env-Ste	ewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Reque	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	te Version Manufacturing Site			Weight*	UOM	Unit Type	
		CPH3448-TL-W NCH 1.8V DR		NCH 1.8V DRIV	/E SERIES		2024-05-02		C	CNG		12.73	mg	Each
Manufacturir	ng Proccess Information	1												
Termin	Terminal Plating / Grid Array Material Terr			erminal Base Alloy J-STD-020 MSL			Peak Process Body Temperature Max Time at Peal			Temperature Number of Reflow Cycles				
contains Bi CU Alloy			U Alloy		1		260		С	30	secon	ds 3		
Comments														
level 1 - maximu	m time at peak temperature d	luring sol	dering is 10-3	0 seconds										
or more inform	ation regarding material com	position p	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chro	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).										
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, admium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part is a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, is of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on informationprovided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not ndependently verified information provided by others, Supplier agrees that, at a minimum, itssuppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the iteratification in this paragraph. If the Company and the Supplier remedies provided as part of hat agreement, will be the sole and exclusivesource of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the varranty rights and/or remedies of Supplier's Standard Terms andConditions of Sale a												
RoHS Declaration * 4 - Item(	s) does not contain RoHS restricted subst	ances per the definition above except for sele	ected exempt	ions Supplier Acceptance	* Accepted							
Exemption: 7a: Lead in high melting temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore lead).									
Exemption List Version	EL-2011/534/EU											
Declaration Signature												
Instructions: Complete all of the required Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the							
Supplier Digital Signature	astislav 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	0.25	mg	Supplier	Silicon (Si)	7440-21-3		0.25	mg
Die Attach Solder	0.15	mg	Supplier	Silver (Ag)	7440-22-4		0.0038	mg
			А	Lead (Pb)	7439-92-1	7a	0.1388	mg
			Supplier	Tin (Sn)	7440-31-5		0.0075	mg
Lead Frame	5.1	mg	Supplier	Silver (Ag)	7440-22-4		0.0556	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0097	mg
			Supplier	Iron (Fe)	7439-89-6		0.1311	mg
			Supplier	Copper (Cu)	7440-50-8		4.8965	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0071	mg
Mold Compound-Black	6.95	mg		Epoxy Phenol Resin	proprietary data		0.0556	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0695	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.417	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		5.56	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		0.834	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.0139	mg
Plating	0.21	mg	В	Bismuth (Bi)	7440-69-9		0.0013	mg
			Supplier	Tin (Sn)	7440-31-5		0.2087	mg
Wire Bond - Cu	0.07	mg	Supplier	Copper (Cu)	7440-50-8		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).