© Copyright 2005. IP	Material Composition Declaration © Copyright 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 lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
	IPC Web Site for Information on IPC-1752 Standard Form http://www.ipc.org/IPC-175x Distril				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					Materials and	als and Mfg Information			
Supplier Information														
Company name*	Company uni	Company unique ID			Unique ID Authority					Response Date*				
onsemi											2023-06-08			
Contact Name	Title - Contact				Phone - Contact*			Ema	Email - Contact*					
Product-Env-Stewards Product En			Enviro Compliance			NA				Pro	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - H			ele - Representative			Phone - Representative*				Ema	Email - Representative*			
Product-Env-Stewards	Product Enviro Compliance			NA				Pro	Product-Env-Stewards@onsemi.com					
Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Version	1	Manufacturing Site		Weight*	UOM	Unit Type	
	NCP455 H	CP45524IMNTWG- NCP45524IMN		WG-h		2023-06-08		I	PHG		11.76364	mg	Each	
Manufacturing Proccess Informati	on													
Terminal Plating / Grid Array Mat	erial 7	al Terminal Base Alloy		J-STD-020 MS	20 MSL Rating		Peak Process Body Temperature Max Time a		at Peak Temp	ak Temperature Number of Reflow Cycles		cles		
Matte Tin (Sn) - annealed CU Alloy		CU Alloy	3			260	260 C		30 seco		seconds 3			
Comments														
ATTENTION: MSL 3 Rated item requires	Bake and L	Dry Pack (after	electrical test)											
For more information regarding material c	omposition	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), Dibutyl phthalate (DBP).										
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	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	0.63	mg	Supplier	Silicon (Si)	7440-21-3		0.63	mg
Die Attach	0.12964	mg		Epoxy resin	proprietary data		0.0032	mg
			Supplier	Silver (Ag)	7440-22-4		0.1095	mg
			Supplier	Phenolic Resin	Proprietary Data		0.0032	mg
			Supplier	Inorganic filler	Proprietary Data		0.0032	mg
			Supplier	Dicyandiamine	461-58-5		0.0006	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.0097	mg
Die Attach Epoxy	0.03	mg		Epoxy resin	proprietary data		0.009	mg
			Supplier	Diethylene glycol monoethyl ether acetate	112-15-2		0.0105	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		0.0105	mg
Lead Frame	4.29	mg	Supplier	Silver (Ag)	7440-22-4		0.0858	mg
			Supplier	Tin (Sn)	7440-31-5		0.0107	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0094	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0107	mg
			Supplier	Copper (Cu)	7440-50-8		4.1733	mg
Mold Compound-Black	6.0	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.48	mg
			Supplier	Carbon Black (C)	1333-86-4		0.03	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.12	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		5.19	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.18	mg
Plating	0.46	mg	Supplier	Tin (Sn)	7440-31-5		0.46	mg
Wire Bond - Au	0.224	mg	Supplier	Gold (Au)	7440-57-5		0.224	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).