IPC  ASSOCIATION CONNECT ELECTRONICS INDUSTR	© Copyright 2005. I	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			der 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.								
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfc Information				
upplier Infor	mation													
Company name*			Company unique ID			J	Unique ID Authority				Response Date*			
onsemi											2024-05-10			
Contact Name			Title - Contact			I	Phone - Contact*				Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Authorized Representative*			Title - Representative			I	Phone - Representative*			Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
Reques	ster Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	Version Manufacturing Site		W	eight*	UOM	Unit Type
		NCP3031 G	NCP303160AMNTW Integrated Driv		r & MOSFFET		2024-05-10	TH6		95	5.576	mg	Each	
<b>Ianufacturing</b>	g Proccess Informa	tion												
Terminal Plating / Grid Array Material Terminal Base All			Alloy J-	J-STD-020 MSL Rating Peak Process Body Temperature Max Time at Peak Te					Temperatu	re Numb	er of Reflow Cyc	eles		
Matte Tin (Sn) - annealed		C	CU Alloy 1				<b>260</b> C		С	30	second	s <b>3</b>		
omments														
vel 1 - maximum	time at peak temperatu	re during sol	dering is 10-3	0 seconds										
or more informa	tion 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										
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, cadmium, 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 contains 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, as 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 information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Islability and the Company's remedies for issues that arise regarding information the Supplier pro										
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions Supplier Acceptance	* Accepted						
Exemption: 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).										
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.										
Supplier Digital Signature Ra	astislav Drska	-En								

## **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.

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).

<b>Homogeneous Material</b>	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Clip	8.577	mg	Supplier	Zinc (Zn)	7440-66-6		0.0103	mg
			Supplier	Iron (Fe)	7439-89-6		0.2016	mg
			Supplier	Copper (Cu)	7440-50-8		8.3626	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0026	mg
Die	13.7	mg	Supplier	Silicon (Si)	7440-21-3		13.7	mg
Die Attach Solder	7.116	mg	Supplier	Silver (Ag)	7440-22-4		0.1779	mg
			A	Lead (Pb)	7439-92-1	7a	6.5823	mg
			Supplier	Tin (Sn)	7440-31-5		0.3558	mg
Epoxy	1.118	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		0.0894	mg
			Supplier	Proprietary	Proprietary Data		0.1006	mg
			Supplier	Bismaleimide	13676-54-5		0.3019	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.0112	mg
			Supplier	PTFE	9002-84-0		0.6149	mg
Lead Frame	31.604	mg	Supplier	Zinc (Zn)	7440-66-6		0.0379	mg
			Supplier	Iron (Fe)	7439-89-6		0.7427	mg
			Supplier	Copper (Cu)	7440-50-8		30.8139	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0095	mg
Lead Frame plating	0.345	mg	Supplier	Silver (Ag)	7440-22-4		0.345	mg
Mold Compound-Black	31.296	mg		Proprietary	proprietary data		2.5037	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1565	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		28.6358	mg
Plating	1.681	mg	Supplier	Tin (Sn)	7440-31-5		1.681	mg
Wire Bond - Cu	0.139	mg	Supplier	Palladium (Pd)	7440-05-3		0.0025	mg
			Supplier	Gold (Au)	7440-57-5		0.0001	mg
			Supplier	Copper (Cu)	7440-50-8		0.1364	mg