ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® International and Pa	PC. Bannockl	burn. Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarati he declaration e	on of the su	ibstances v s all lower	vithin the manufact level materials for	urer listed which the	item. Note: manufacture	if the item is an as or has engineering	sembly with low responsibility.	
	P1.1IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175xForm Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials					rials and M	is and Mfg Information			
upplier Information														
Company name* Co			Company unique ID			Unique ID Authority				Respo	Response Date*			
onsemi										2023-0	2023-06-08			
ontact Name Title - Contac			intact			Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards Product En			uct Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Repr			epresentative			Phone - Representative*				Email	Email - Representative*			
Product-Env-Stewards Product 1			oduct Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Iten	n Number	Mfr Item Name			Effective Date	Version	Version Manufacturing Site			Weight*	UOM	Unit Type	
	NCP813	NCP81382MNTXG Inte		Integrated Driver and MOSFET		2023-06-08		P	РНА		101.13	mg	Each	
Ianufacturing Proccess Informa	tion						-				•			
Terminal Plating / Grid Array M	aterial T	Ferminal Base	Alloy	y J-STD-020 MSL Ratin		Peak Process Body Temperat		emperature	ure Max Time at Peak Temper		ature Num	ber of Reflow Cy	cles	
Matte Tin (Sn) - annealed CU A		CU Alloy	3			260 C		C	30	seco	nds 3			
omments														
<b>TTENTION: MSL 3 Rated item require</b>	es Bake and L	Dry Pack (after	electrical test)											
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), Dibutyl phthalate (DBP), Dibutyl phthalate (DBP).									
cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the anty rights and/or remedies provided as part of					
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	3.02	mg	Supplier	Silicon (Si)	7440-21-3		3.02	mg
Die Attach Solder	5.35	mg	Supplier	Silver (Ag)	7440-22-4		0.1338	mg
			А	Lead (Pb)	7439-92-1	7a	4.9488	mg
			Supplier	Tin (Sn)	7440-31-5		0.2675	mg
Lead Frame	59.54	mg	Supplier	Silver (Ag)	7440-22-4		0.9824	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0714	mg
			Supplier	Iron (Fe)	7439-89-6		1.3992	mg
			Supplier	Copper (Cu)	7440-50-8		57.0691	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0179	mg
Mold Compound-Black	31.34	mg	Supplier	Epoxy resins	129915-35-1		1.567	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		1.567	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1254	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.7208	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		26.639	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.7208	mg
Plating	1.57	mg	Supplier	Tin (Sn)	7440-31-5		1.57	mg
Wire Bond - Au	0.31	mg	Supplier	Gold (Au)	7440-57-5		0.31	mg