52-21.1		Taterial Composition Declaration Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both ernational and Pan-American copyright conventions.		inder botti lever par	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with low level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
<i>J2 2</i> 1.1		IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute			Form Type * Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi				ials and Mfg Information				
ıpplier Inf	formation													
Company name*			Company unique ID			Unique	Unique ID Authority				Response Date*			
onsemi											2024-04-24			
Contact Name			Title - Contact			Phone -	Phone - Contact*			Email - Contact*				
Product-Env-Stewards			Product Enviro Compliance			NA	NA			Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative			Phone -	Phone - Representative*			Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance			NA	NA			Product-Env-Stewards@onsemi.com				
Rec	Requester Item Number		Mfr Item Number Mfr Item Name			Effecti	ve Date	Version	Manufacturing Site	Weight*	UOM	Unit Type		
		NXH400 SG	N100H4Q2F2	Mass market 2501 400A	kw 1500v Q2 Pack INPC	2024-0	14-24		CNG	176434.38	mg	Each		
anufactur	ring Proccess Informat	tion												
Terr	Terminal Plating / Grid Array Material T		Terminal Base Alloy J-STD-020 MSL Ra		J-STD-020 MSL Rating	Peak Process Body Temperature Max Time at Pea			k Temperature Number of Reflow Cycles					
Matte Tin (Sn) - annealed		CU Alloy NA		NA	0	0 C 30		seconds 3						
mments									·	_				

RoHS Material Composition Declaration			Declaration Type *	Detail	led					
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), Diisobutyl phthalate (DIBP).										
cadmium, hexavalentchromium, polybromir contains a RoHS restricted substance inexce encompass all such components. Supplier ce as of the date that Supplier completes this fo Company acknowledges that Supplier may l independently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated dipless of an applicable quantity limit, please intifies that it gathered the information it prome. Supplier acknowledges that Company have relied on information provided by other by others, Supplier agrees that, at a mining and the Supplier enter into a written agree esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substational substance below which, if any, RoHS exemption by desired in this form using appropriate method will rely on this certification in determining ters in completing this form, and that Supplies have provided certification between the will respect to the identified part, the Company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects to the identified part, the company's remedies for issues that arise respects the company is the co	ws of the European Union member states) of the pnce") in excess of the applicable quantity limit iden you believe may apply. If the part is an assemble is to ensure its accuracy and that such information the compliance of its products with European Union may not have independently verified such informs regarding their contributions to the part, and tho terms and conditions of that agreement, including the provides in this formation information the Supplier provides in this formation.	entified above. If a y with lower level is true and correct on member state la nation. However, in se certifications are any warranty rigl	n homogeneous material within the part components, the declaration shall t to the best of its knowledge and belief, aws that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the this and/or remedies provided as part of					
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	cceptance *	Accepted					
Exemption: If the declared item does not applicable exemptions.	contain RoHS restricted substances per	the definition above except for defined Ro	oHS exemptions, then select the corresponding	response in the R	oHS Declaration above and choose all					
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recruired by the					
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	the declaration (if required by the					

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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Case	10330.0	mg	Supplier	Fiber Glass (SiO2)	65997-17-3		3615.5	mg
			Supplier	PBT	26062-94-2		6714.4995	mg
Case Lid	6410.0	mg	Supplier	Fiber Glass (SiO2)	65997-17-3		2243.5	mg
			Supplier	PBT	26062-94-2		4166.5	mg
DBC	17370.0	mg	Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		6948	mg
			Supplier	Copper (Cu)	7440-50-8		10422	mg
Die	124.3694	mg	Supplier	Silicon Carbide	409-21-2		124.3694	mg
			Supplier	Silicon (Si)	7440-21-3		0	mg
Glue	410.0	mg	Supplier	2,3-epoxypropyl-trimethoxysilan	2530-83-8		41	mg
			Supplier	Miscellaneous	Trade Secret		41	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		328	mg
Heat Sink	123450.0	mg	В	Nickel (Ni)	7440-02-0		1913.475	mg
			Supplier	Copper (Cu)	7440-50-8		121536.5234	mg
NTC	10.0	mg	Supplier	Silver (Ag)	7440-22-4		0.0979	mg
			Supplier	Tin (Sn)	7440-31-5		0.02	mg
			Supplier	Nickel Oxide (NiO)	1313-99-1		3.9169	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0999	mg
			В	Nickel (Ni)	7440-02-0		0.01	mg
			Supplier	Cobalt Oxide (Co3O4)	1308-06-1		0.3997	mg
			Supplier	Manganese Tetraoxide (Mn3O4)	1317-35-7		5.4556	mg
Silicone Gel	8400.0	mg	Supplier	Silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]- modified	68988-89-6		2520	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		5880	mg
Solder Paste	5290.0	mg	Supplier	Silver (Ag)	7440-22-4		343.85	mg
			Supplier	Tin (Sn)	7440-31-5		4946.1499	mg
			Supplier	Copper (Cu)	7440-50-8		-158.7004	mg
Terminal	4130.0	mg	Supplier	Silicon (Si)	7440-21-3		11.151	mg
			В	Nickel (Ni)	7440-02-0		55.755	mg
			Supplier	Copper (Cu)	7440-50-8		4062.0615	mg
			Supplier	Phosphorus (P)	7723-14-0		1.0325	mg
Wire Bond - Al	510.0	mg	Supplier	Aluminum (Al)	7429-90-5		510	mg