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.										
1752-21.1	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Form Type Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information									
Supplie	r Information														
Company name* Company uniq				que ID	D U			Unique ID Authority				Response Date*			
onsemi												2025-05-11			
Contact N	ame		Title - Contact				Phone - Contact*					Email - Contact*			
Product-l	Env-Stewards		Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com			
Authorize	d Representative*	Title - Representative				Phone - Representative*				Email - Representative*					
Product-Env-Stewards			Product Envir	uct Enviro Compliance NA						Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		Number	Mfr Item Name			Effective D	Pate '	Version	Manufacturing Site		W	eight*	UOM	Unit Type
		NXH400N100L4Q2F2 ESS 200KW PIM SO SG		SOLDER PIN		2025-05-11	5-11 CNG			13	9317.02	mg	Each		
Manufa	cturing Proccess Informati	ion													
	Terminal Plating / Grid Array Material T		erminal Base A	Alloy	J-STD-020 MSL		Peak P	Process Body Temperature		re Max T	ime at Peak	Temperature Number		r of Reflow Cyc	cles
	Matte Tin (Sn) - annealed CU		CU Alloy	nA NA			0 C		30		seconds 3				
Comments	· · · · · · · · · · · · · · · · · · ·			·			·		·		·		·		
or more	information regarding material c	omposition	please refer to	page 3		_	-								

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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).											
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 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 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 warranty rights and/or remedies of Supplier's St											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	Accepted						
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	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	701.71	mg	Supplier	Silicon (Si)	7440-21-3		701.71	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
Silicone Gel	10120.48	mg	Supplier	Silica, [(ethenyldimethylsilyl)oxy]- and [(trimethylsilyl)oxy]- modified	68988-89-6		3036.1443	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		7084.3364	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	4720.0	mg	Supplier	Silicon (Si)	7440-21-3		12.744	mg
			В	Nickel (Ni)	7440-02-0		63.72	mg
			Supplier	Copper (Cu)	7440-50-8		4642.356	mg
			Supplier	Phosphorus (P)	7723-14-0		1.18	mg
Thermistor	4.819	mg	Supplier	Copper chromite black spinel	68186-91-4		0.0193	mg
			Supplier	Titanium Dioxide (TiO2)	13463-67-7		0.0087	mg
			Supplier	Silver (Ag)	7440-22-4		0.0805	mg
			Supplier	Boron Trioxide (B2O3)	1303-86-2		0.0183	mg
			Supplier	Tin (Sn)	7440-31-5		0.1108	mg
			A	Lead Oxide (PbO)	1317-36-8		0.1258	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		0.0024	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		0.0386	mg
			Supplier	Misc.	Proprietary Data		0.0954	mg
			Supplier	Palladium (Pd)	7440-05-3		0.0043	mg

			Supplier	Barium Monoxide (BaO)	1304-28-5	0.0019	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1	4.0735	mg
			Supplier	Ruthenium Oxide (RuO2)	12036-10-1	0.0014	mg
			В	Nickel (Ni)	7440-02-0	0.1359	mg
			Supplier	Cobalt Oxide (Co3O4)	1308-06-1	0.0043	mg
			Supplier	Manganese Tetraoxide (Mn3O4)	1317-35-7	0.0092	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7	0.0887	mg
Wire Bond - Al	510.0	mg	Supplier	Aluminum (Al)	7429-90-5	510	mg