ASSOCIATION CONNECTING ELECTROMICS INDUSTRIES® International and F	<b>position De</b> IPC, Bannockt an-American co	<b>claration</b> ourn, Illinois. A opyright conver	ll rights reserved untions.	under both	This docume level parts, t	ent is a declarati he declaration e	on of the substa	nces within the n lower level mate	manufacturer rials for whi	r listed item. ich the manut	Note: if t facturer h	the item is an as	sembly with low responsibility.
	IPC Web Site for Information on IPC-1752 Standard Form Type				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information							
upplier Information													
Company name* Company unique ID			ique ID		1	Unique ID Authority			]	Response Date*			
onsemi						2025-05-11							
Contact Name Title - Contact			et		]	Phone - Contact* Email - Contact*							
Product-Env-Stewards Product En			ro Compliance	ce l		NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Represent			sentative		Phone - Representative* Email - Representative*								
Product-Env-Stewards Prod			ro Compliance	NA Product-Env-Stewards@onsemi.co				m					
Requester Item Number Mfr Iter		n Number	mber Mfr Item Name		Effective Date	Version	Manufacturi	Manufacturing Site		ght*	UOM	Unit Type	
	NXH400 PG	0N100L4Q2F2	ESS 200KW PIN	I PRESS-FIT PI	INS	2025-05-11		CNG		1793	17.02	mg	Each
Ianufacturing Proccess Inform	ation												
Terminal Plating / Grid Array I	Terminal Plating / Grid Array Material Terminal Base A		Alloy	J-STD-020 MSI	MSL Rating Peak		Peak Process Body Temperature Max Time at Peak		ne at Peak T	emperature	Number	r of Reflow Cyc	les
Matte Tin (Sn) - annealed CU Allog		CU Alloy		NA		0	C	30		seconds	3		
omments													
or more information regarding materi	al composition	please refer to	page 3										

RoHS Material Composition Declaration				Declaration Type *	Detailed						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chror	HS 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 ), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl halate (BBP), Dibutyl phthalate (DBP), Disobutyl phthalate (DIBP).									
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	ances per the definitio	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
Case	10330.0	mg	Supplier	Fiber Glass (SiO2)	65997-17-3		3615.5	mg
			Supplier	РВТ	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
			Α	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