

 <b>Material Composition Declaration</b> © 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 <a href="http://www.ipc.org/IPC-175x">http://www.ipc.org/IPC-175x</a>			Form Type * Distribute		Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information		
<b>Supplier Information</b>									
<b>Company name*</b> onsemi			Company unique ID		Unique ID Authority			<b>Response Date*</b> 2024-06-03	
<b>Contact Name</b> Product-Env-Stewards			Title - Contact Product Enviro Compliance		<b>Phone - Contact*</b> NA			<b>Email - Contact*</b> Product-Env-Stewards@onsemi.com	
<b>Authorized Representative*</b> Product-Env-Stewards			Title - Representative Product Enviro Compliance		<b>Phone - Representative*</b> NA			<b>Email - Representative*</b> Product-Env-Stewards@onsemi.com	
	Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	Version	Manufacturing Site	Weight*	UOM	Unit Type
		NXH75M65L4Q1PTG	6KW H6.5 75A Q1PACK press-fit PIN with TCP7000	2024-06-03		CNG	40040.64	mg	Each
<b>Manufacturing Process Information</b>									
	Terminal Plating / Grid Array Material	Terminal Base Alloy	J-STD-020 MSL Rating	Peak Process Body Temperature		Max Time at Peak Temperature		Number of Reflow Cycles	
	Matte Tin (Sn) - annealed	CU Alloy	NA	0	C	30	seconds	3	
Comments									
For 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), Diisobutyl phthalate (DIBP).		
<p>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, hexavalent chromium, 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 in excess 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 exclusive source 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 Standard Terms and Conditions of Sale applicable to such part shall apply.</p>			
RoHS Declaration *	1 - Item(s) does not contain RoHS restricted substances per the definition above		Supplier Acceptance * Accepted
<b>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.</b>			
Exemption List Version	EL-2011/534/EU		
Declaration Signature			
<b>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.</b>			
Supplier Digital Signature	Rastislav Drska		

## 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	17500.0	mg	Supplier	2,2'-[(1-Methylethylidene)bis[(dibromo-4,1-phenylene)oxymethylene]]bis[oxirane]-4,4'-(1-methylethylidene)bis[2,6-dibromophenol] copolymer	68928-70-1		1925	mg
			Supplier	Fiber Glass (SiO2)	65997-17-3		5250	mg
			B	Antimony Trioxide (Sb2O3)	1309-64-4		700	mg
			Supplier	PBT	26062-94-2		9625	mg
Coating	1500.0	mg		Acrylised oligomer	proprietary data		30	mg
			Supplier	2-ethylanthraquinone	84-51-5		15	mg
			Supplier	Pentaerythritol acrylate	4986-89-4		30	mg
			Supplier	Glycerol, propoxylated, esters with acrylic acid	52408-84-1		150	mg
			Supplier	2,2-bis(acryloyloxymethyl)butyl acrylate	15625-89-5		150	mg
			Supplier	2-hydroxyethyl methacrylate	868-77-9		225	mg
			Supplier	Epoxyacrylate	Proprietary Data		150	mg
			Supplier	Silicon Dioxide (SiO2)	112945-52-5		750	mg
DBC	13654.0	mg	Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		5734.6797	mg
			Supplier	Copper (Cu)	7440-50-8		7919.3198	mg
Die	86.7	mg	Supplier	Silicon (Si)	7440-21-3		86.7	mg
Die Attach Solder	500.0	mg	Supplier	Dimethyl phthalate	131-11-3		5	mg
			Supplier	Amines	61788-95-2		5	mg
			Supplier	Isotridecan-1-ol	27458-92-0		5	mg
			Supplier	Silver (Ag)	7440-22-4		20	mg
			Supplier	Tin (Sn)	7440-31-5		465	mg
Glue	5740.0	mg	Supplier	2,3-epoxypropyl-trimethoxysilan	2530-83-8		574	mg
			Supplier	Miscellaneous	Trade Secret		574	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		4592	mg
Interconnect	830.0	mg	Supplier	Zinc Monoxide (ZnO)	1314-13-2		83	mg
			Supplier	Silicon (Si)	7440-21-3		249	mg
			Supplier	Aluminum (Al)	7429-90-5		498	mg
Plating	15.5	mg	Supplier	Tin (Sn)	7440-31-5		15.5	mg
Terminal	115.12	mg	Supplier	Silicon (Si)	7440-21-3		0.3108	mg

			B	Nickel (Ni)	7440-02-0		1.5541	mg
			Supplier	Copper (Cu)	7440-50-8		113.2263	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0288	mg
Thermistor	4.81902	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
			B	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	94.5	mg	Supplier	Aluminum (Al)	7429-90-5		94.5	mg