	Material Comp © Copyright 2005. I international and Par	osition De PC, Bannockt n-American co	claration ourn, Illinois. A opyright conve	All rights reserved u ntions.	nder both	This docume level parts, t	ent is a declara he declara	ation of encon	f the substances npasses all lowe	within the er level ma	manufacture terials for wh	er listed it nich the m	em. Note: i anufacturer	f the item is an as has engineering	sembly with low responsibility.
752-21.1					Form Type Distribute					eous Materia	erials and Mfg Information				
upplier	· Information														
Company name*				Company unique ID			Unique ID Authority					Response Date*			
nsemi												2023-06-06			
ontact Na	ame	Title - Contact			]	Phone - Contact*					Email - Contact*				
Product-E	Env-Stewards	Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com				
uthorized	d Representative*	Title - Representative			]	Phone - Representative*					Email - Representative*				
roduct-E	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item   4N33VM		Number Mfr Item Name				Effective Date Version Manufacturing Site   2023-06-06 THH		ring Site	N N	Weight*	UOM	Unit Type		
			1	6PW DARL VDE						449.722		mg	Each		
Ianufac	cturing Proccess Informa	tion												ł	ł
	Terminal Plating / Grid Array Material		Terminal Base Alloy J-STD-02		-STD-020 MS	L Rating	Peak Process		ss Body Temperature Max Time at Peal		ime at Peak '	Temperature Number		er of Reflow Cyc	eles
Matte Tin (Sn) - annealed		CU Alloy NA			0 C		С	30		secon	ds 3				
omments															
or more i	information regarding material	composition	please refer to	o page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chror	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 ate (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 y 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	on above	Supplier Acceptance	* 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												
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
Coupling Gel	0.4	mg	Supplier	Dimethyl Cyclosiloxanes	69430-24-6		0.04	mg
			Supplier	Trimethoxy(methyl)silane (C4H12O3Si)	1185-55-3		0.36	mg
Die	5.13	mg	Supplier	Silicon (Si)	7440-21-3		5.13	mg
Die Attach	0.3	mg	Supplier	Silver (Ag)	7440-22-4		0.225	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.075	mg
Lead Frame	108.322	mg	Supplier	Silver (Ag)	7440-22-4		0.68	mg
			Supplier	Zinc (Zn)	7440-66-6		0.13	mg
			Supplier	Iron (Fe)	7439-89-6		2.48	mg
			Supplier	Copper (Cu)	7440-50-8		105	mg
			Supplier	Phosphorus (P)	7723-14-0		0.032	mg
Mold Compound-White	327.22	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		81.805	mg
			В	Brominated Bisphenol A Diglycidyl Ether	40039-93-8		9.8166	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		44.1747	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		9.8166	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		163.61	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		17.9971	mg
Plating	6.7	mg	Supplier	Tin (Sn)	7440-31-5		6.7	mg
Wire Bond - Au	1.65	mg	Supplier	Gold (Au)	7440-57-5		1.65	mg