	Material Comp © Copyright 2005. I international and Par	osition Dee PC, Bannockt	claration ourn, Illinois. A opyright conve	All rights reserved untions.	under both	This docume level parts, th	ent is a declaration e	on of the substa ncompasses all	nces within the lower level mat	manufacture terials for wh	er listed iter hich the man	n. Note: if nufacturer l	the item is an as has engineering	sembly with lowe responsibility.
1752-21.1					Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					als and Mfg Information			
Supplie	r Information													
Company name* Compar				npany unique ID			Unique ID Authority				Response Date*			
On Semic	onductor										2021-02-04			
Contact N	lame		Title - Contact]	Phone - Contact*				Email - Contact*			
Product-l	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*	Title - Representative]	Phone - Representative*				Email - Representative*				
Product-	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
			Number Mfr Item Name				Effective Date	Version	Manufactu	Manufacturing Site		eight*	UOM	Unit Type
			QUAD OP AMP			2021-02-04	CN5		10	42.694	mg	Each		
/anufa	cturing Proccess Informa	tion												
	Terminal Plating / Grid Array Material		Terminal Base Alloy J-STI		J-STD-020 MSL	Rating	Peak Proc	ess Body Temp	s Body Temperature Max Time at Peak		Temperature Number of R		r of Reflow Cyc	les
Matte Tin (Sn) - annealed		CU Alloy NA		NA		0 C		30	30 seco		3			
omments	3													
or more	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 lercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl te (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP). 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, nyls 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 plicable 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										
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 co for issues that arise regarding inform	ess of the applicable quantity limit identified about the may apply. If the part is an assembly with low is accuracy and that such information is true and ce of its products with European Union member we independently verified such information. How	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.

sigma range of distribution unless	other wise noted).		-					
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.905	mg	Supplier	Silicon (Si)	7440-21-3		0.905	mg
Die Attach	0.099	mg	Supplier	Silver (Ag)	7440-22-4		0.0742	mg
			Supplier	Phenolic Resin-2	54208-63-8		0.0247	mg
Lead Frame	327.672	mg	Supplier	Silver (Ag)	7440-22-4		1.64	mg
			Supplier	Zinc (Zn)	7440-66-6		0.394	mg
			Supplier	Iron (Fe)	7439-89-6		7.54	mg
			Supplier	Copper (Cu)	7440-50-8		318.0001	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0979	mg
Mold Compound-Black	691.07	mg	Supplier	2,6-dibromo-4-[1-(3-bromo-4- hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		6.91	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		196.9999	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		20.7	mg
			Supplier	Carbon Black (C)	1333-86-4		3.46	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		463.0001	mg
Plating	22.6	mg	Supplier	Tin (Sn)	7440-31-5		22.6	mg
Wire Bond - Au	0.348	mg	Supplier	Gold (Au)	7440-57-5		0.348	mg

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).