© Copy	tial Composition right 2005. IPC, Ban ional and Pan-Ameri	nockburn, Illinois.	All rights reserved u entions.	under both	This docume level parts, th	ent is a declar he declaration	ation of the neuron of the ne	ne substances asses all lowe	within the er level mate	manufactur erials for wh	er listed ite hich the m	em. Note anufactur	: if the item is an as rer has engineering	ssembly with lowe responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Ty http://www.ipc.org/IPC-175x Distribut				e *	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information				
Supplier Information															
Company name*	Company u	Company unique ID			Unique ID Authority					Response Date*					
onsemi											2023-06-08				
Contact Name	Title - Cont	Title - Contact			Phone - Contact*					Email - Contact*					
Product-Env-Stewards	Product Env	Product Enviro Compliance			NA					Product-Env-Stewards@onsemi.com					
Authorized Representative*	Title - Repr	Title - Representative			Phone - Representative*				Email - Representative*						
Product-Env-Stewards	Product Env	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com						
Requester Item Nur	Requester Item Number Mfr Item ESD7501		Mfr Item Name			Effective Da	te Vers	on Manufacturing Site		V	Veight*	UOM	Unit Type		
			MUT5G 5.0V ESD Protection in X3DFN			2023-06-08 MY1			0.265 mg		mg	Each			
Manufacturing Proccess	s Information		1			·	1						1	I	
Terminal Plating / G	Terminal Plating / Grid Array Material		Cerminal Base Alloy J-S		MSL Rating P		Peak Process Body Temperature Max Time a		ne at Peak	eak Temperature Numb		nber of Reflow Cy	cles		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)		no CU Alloy	CU Alloy 1			260		C	30		second	seconds 3			
Comments															
evel 1 - maximum time at pea	k temperature duri	ing soldering is 10-	30 seconds												
or more information regardi	ng material compos	sition please refer t	o 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).										
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
Die	0.013	mg	Supplier	Silicon (Si)	7440-21-3		0.013	mg
Die Attach	0.0189	mg	Supplier	Silver (Ag)	7440-22-4		0.0142	mg
			Supplier	Epoxy resins	129915-35-1		0.0047	mg
Lead Frame	0.1083	mg	Supplier	Tin (Sn)	7440-31-5		0.0003	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0002	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0003	mg
			Supplier	Copper (Cu)	7440-50-8		0.1075	mg
Mold Compound-Black	0.093	mg	Supplier	Epoxy and Phenolic Resin	40216-08-8		0.0074	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0005	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.0019	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.0804	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0028	mg
Plating	0.0269	mg	Supplier	Palladium (Pd)	7440-05-3		0.0025	mg
			В	Nickel (Ni)	7440-02-0		0.0243	mg
			Supplier	Gold (Au)	7440-57-5		0.0001	mg
Wire Bond - Au	0.0049	mg	Supplier	Gold (Au)	7440-57-5		0.0049	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).