© Co	erial Compositi pyright 2005. IPC, B aational and Pan-Am	annockbu	ırn, Illinois. A	ll rights reserved untions.	under both	This docume level parts, th	ent is a decla he declaratio	ration o	of the substan mpasses all lo	ces with ower lev	in the manufact el materials for	urer listed i which the r	item. N nanufa	lote: if th cturer ha	e item is an as s engineering	sembly with lowe responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					erials and M	Ifg Info	ormation				
Supplier Information																	
Company name*			Company unique ID			ι	Unique ID Authority					Respon	Response Date*				
onsemi											2023-06	2023-06-08					
Contact Name		Title - Contact]	Phone - Contact*					Email -	Email - Contact*					
Product-Env-Stewards		Product Enviro Compliance				NA					Produc	Product-Env-Stewards@onsemi.com					
Authorized Representative*			Title - Representative			Phone - Representative*				Email -	Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance			NA					Produc	Product-Env-Stewards@onsemi.com					
Requester Item N	1 		Number Mfr Item Name TTDI-GT3 SUP, ACT LOW, MR AND WI				Effective Date Version Manufacturing Si 2023-06-08 TH5		Man	Manufacturing Site		Weigh	ıt*	UOM	Unit Type		
)				12.68			mg	Each			
Manufacturing Procee	ess Information						1			1		I			-1	I	
Terminal Plating /	Terminal Plating / Grid Array Material		erminal Base A	ninal Base Alloy J-STD-		L Rating	Peak P	Process Body Temperature Max Time at		Aax Time at Pea	ak Temperature Num		Number	of Reflow Cyc	les		
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			U Alloy 1		1		260		С		30		nds ä	3			
Comments																	
evel 1 - maximum time at p	eak temperature du	uring sold	lering is 10-3	0 seconds													
or more information regar	ding material comp	position p	lease 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).											
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	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	0.49	mg	Supplier	Silicon (Si)	7440-21-3		0.49	mg
Die Attach	0.14	mg	Supplier	Silver (Ag)	7440-22-4		0.105	mg
			Supplier	Epoxy resins	129915-35-1		0.035	mg
Lead Frame	6.26	mg	Supplier	Tin (Sn)	7440-31-5		0.0175	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0163	mg
			Supplier	Chromium (Cr)	7440-47-3		0.0188	mg
			Supplier	Copper (Cu)	7440-50-8		6.2074	mg
Mold Compound-Black	5.6	mg		Epoxy resin	proprietary data		0.28	mg
			Supplier	Phenolic Resin	Proprietary Data		0.28	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.112	mg
			Supplier	Carbon Black (C)	1333-86-4		0.028	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		4.9	mg
Plating	0.08	mg	Supplier	Palladium (Pd)	7440-05-3		0.005	mg
			В	Nickel (Ni)	7440-02-0		0.0742	mg
			Supplier	Gold (Au)	7440-57-5		0.0009	mg
Wire Bond - Au	0.11	mg	Supplier	Gold (Au)	7440-57-5		0.11	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).