© Copyright	Composition De 2005. IPC, Bannockt and Pan-American co	ourn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarati he declaration e	on of the su ncompasse	ibstances s all lower	within the manufac r level materials for	turer listed which the	item. Note: manufacture	if the item is an as er has engineering	sembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materia					als and Mfg Information			
upplier Information														
ompany name*	Company un	Company unique ID			Unique ID Authority				Respor	Response Date*				
onsemi										2023-0	2023-06-08			
Contact Name Title - Contact			zt			Phone - Contact*				Email	Email - Contact*			
Product-Env-Stewards Product			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Rep			- Representative			Phone - Representative*			Email	Email - Representative*				
roduct-Env-Stewards	Product Enviro Compliance				NA				Produ	Product-Env-Stewards@onsemi.com				
Requester Item Number	Mfr Item	Number	umber Mfr Item Name			Effective Date	Version	Ν	Manufacturing Site		Weight*	UOM	Unit Type	
	ESD748	ESD7484NCTAG 4 CHAN H		HAN ESD PROT		2023-06-08					2.345529	mg	Each	
Ianufacturing Proccess Info	ormation													
Terminal Plating / Grid Ar	Terminal Plating / Grid Array Material Terminal Base		Alloy	y J-STD-020 MSL Rating		Peak Process Body Temperatur		re Max Time at Peak Tempera		ture Num	ber of Reflow Cyc	eles		
SnAgCu CU All		CU Alloy	1			260 C		С	30 seco		seconds 3			
omments														
vel 1 - maximum time at peak tem	perature during so	ldering is 10-3	0 seconds											
or more information regarding ma	aterial 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), Dibutyl 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 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.										
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 otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	1.685479	mg	Supplier	Silicon (Si)	7440-21-3		1.6855	mg	
Protection coat	0.02557	mg		Polyimide	proprietary data		0.0256	mg	
Solder Ball	0.605104	mg	Supplier	Silver (Ag)	7440-22-4		0.0157	mg	
			Supplier	Tin (Sn)	7440-31-5		0.5857	mg	
			Supplier	Copper (Cu)	7440-50-8		0.0036	mg	
Under Bump Metal	0.029376	mg	Supplier	Titanium (Ti)	7440-32-6		0.0002	mg	
			Supplier	Copper (Cu)	7440-50-8		0.0292	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