© Copyright 200	mposition De 05. IPC, Bannockl I Pan-American co	ourn, Illinois. A	Il rights reserved untions.	under both	This docume level parts, t	ent is a declarat he declaration e	on of the su ncompasse	ibstances s all lower	within the manufact r level materials for	urer listed which the i	tem. Note: nanufacture	if the item is an as er has engineering	sembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Typ. http://www.ipc.org/IPC-175x Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					als and Mfg Information			
upplier Information														
Company name* Comp			Company unique ID			Unique ID Authority				Respon	Response Date*			
onsemi										2023-00	2023-06-08			
Contact Name Title - Contact			ct	P			Phone - Contact*				Email - Contact*			
Product-Env-Stewards Product En			et Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Repres			esentative			Phone - Representative*				Email -	Email - Representative*			
Product-Env-Stewards Prod			Product Enviro Compliance			NA				Produ	Product-Env-Stewards@onsemi.com			
Requester Item Number	uester Item Number Mfr Item N		Number Mfr Item Name			Effective Date	ve Date Version Manufacturing Site			Weight*	UOM	Unit Type		
	ESD538	ESD5384NCTBG 4 CHAN ESD		PROT		2023-06-08					3.284	mg	Each	
Ianufacturing Proccess Infor	mation													
Terminal Plating / Grid Array	Ferminal Plating / Grid Array Material Terminal Base Al			loy J-STD-020 MSL Rating			Peak Process Body Temperature Max Time at Peak				Temperature Number of Reflow Cycles			
SnAgCu CU Alloy		CU Alloy		1		260 C		С	30 seco		seconds 3			
omments														
vel 1 - maximum time at peak tempe	rature during so	Idering is 10-3	0 seconds											
or more information regarding mate	rial 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	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.

sigma range of distribution unless otherwise noted).									
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure	
Die	1.54	mg	Supplier	Silicon (Si)	7440-21-3		1.54	mg	
Protection coat	0.93	mg		Polyimide	proprietary data		0.93	mg	
Solder Ball	0.554	mg	Supplier	Silver (Ag)	7440-22-4		0.0144	mg	
			Supplier	Tin (Sn)	7440-31-5		0.5363	mg	
			Supplier	Copper (Cu)	7440-50-8		0.0033	mg	
Under Bump Metal	0.26	mg	Supplier	Titanium (Ti)	7440-32-6		0.0291	mg	
			Supplier	Copper (Cu)	7440-50-8		0.2309	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