	CONNECTING CS INDUSTRIES® International and Pan	PC, Bannockb	ourn, Illinois. A	ll rights reserved u ntions.	nder both	This docume level parts, t	ent is a declarat he declaration e	ion of the encompas	e substance sses all low	s within the er level mate	manufacture erials for wh	er listed ite hich the m	em. Note: if anufacturer	the item is an as has engineering	sembly with lowe responsibility.
1752-21.1	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 Mater					ous Materia	ials and Mfg Information				
Supplie	r Information														
Company name* Com				Company unique ID			Unique ID Authority					Response Date*			
onsemi											2024-05-17				
Contact Name			Title - Contact			]	Phone - Contact*					Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
uthorize	ed Representative*		Title - Representative			]	Phone - Representative*				Email - Representative*				
Product-l	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Date	Version Manufacturing Site		ing Site	v	Veight*	UOM	Unit Type	
		ł	BIP T0247 NPN 10A 100V			2024-05-17 CN5			6856.24		mg	Each			
/anufa	cturing Proccess Informat	tion					1								
	Terminal Plating / Grid Array Material		Terminal Base Alloy J-STD-020		J-STD-020 MS	L Rating	Peak Process Body Tempe		Temperati	ature Max Time at Peak		Temperatu	ire Numb	er of Reflow Cyc	cles
	Matte Tin (Sn) - annealed		CU Alloy NA			0 C		<b>30</b> sec		second	ls 3				
omments	3														
or more	information regarding material	composition	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	ng RoHS 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), Disobutyl 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 co 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	89.77	mg	Supplier	Silicon (Si)	7440-21-3		89.77	mg
Die Attach	281.28	mg	Supplier	Silver (Ag)	7440-22-4		70.32	mg
			Supplier	Tin (Sn)	7440-31-5		182.832	mg
			В	Antimony (Sb)	7440-36-0		28.128	mg
Lead Frame	4406.78	mg	Supplier	Silver (Ag)	7440-22-4		17.6271	mg
			Supplier	Iron (Fe)	7439-89-6		4.4068	mg
			Supplier	Copper (Cu)	7440-50-8		4384.7461	mg
Mold Compound-Black	2040.91	mg		Metal Hydroxide	proprietary data		142.8637	mg
			Supplier	Carbon Black (C)	1333-86-4		10.2045	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		1530.6825	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		306.1365	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		51.0228	mg
Plating	12.83	mg	Supplier	Tin (Sn)	7440-31-5		12.83	mg
Wire Bond - Al	24.67	mg	Supplier	Aluminum (Al)	7429-90-5		24.67	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 signa range of distribution unless otherwise noted).