ASSOCIATION CONNECTIN	© Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			nder both	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lowe level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.										
752-21.1	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 Mater					ous Materia	als and Mfg Information				
upplier Inform	nation														
Company name*			Company unique ID			1	Unique ID Authority					Response Date*			
nsemi												2024-04-24			
ontact Name		Title - Contact]	Phone - Contact*				Email - Contact*					
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Representative*			Title - Representative]	Phone - Representative*				Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Request	Requester Item Number Mfr Iter		n Number Mfr Item Name			·	Effective Date	Versio	n	Manufacturing Site		1	Weight*	UOM	Unit Type
		BC547BTF NPN/50V/100M		NPN/50V/100MA	<u> </u>	2024-04-2				CNF		2	219.001	mg	Each
Ianufacturing	Proccess Information	n													
Terminal Plating / Grid Array Material		al To	Perminal Base Alloy J-STD-020 M		-STD-020 MSI	L Rating	Peak Process Body Temperat		ure Max Time at Peak Temp		Temperat	ure Numb	per of Reflow Cyc	cles	
Matte Tin (Sn) - annealed		С	CU Alloy NA		NA		0 C 3		30		seconds 3				
omments															
or more informat	tion regarding material con	position p	olease 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 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.

sigma range of distribution unless otherwise noted).										
Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure		
Die	0.075	mg	Supplier	Silicon (Si)	7440-21-3		0.075	mg		
Lead Frame	101.0	mg	Supplier	Silver (Ag)	7440-22-4		0.0101	mg		
			Supplier	Iron (Fe)	7439-89-6		0.101	mg		
			Supplier	Copper (Cu)	7440-50-8		100.8586	mg		
			Supplier	Phosphorus (P)	7723-14-0		0.0303	mg		
Mold Compound-Black	112.0	mg		Phenol Resin	proprietary data		11.2	mg		
			Supplier	Carbon Black (C)	1333-86-4		1.12	mg		
			Supplier	Fused Silica (SiO2)	60676-86-0		86.24	mg		
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		13.44	mg		
Plating	5.85	mg	Supplier	Tin (Sn)	7440-31-5		5.85	mg		
Wire Bond - Au	0.076	mg	Supplier	Gold (Au)	7440-57-5		0.076	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).