Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.					This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.										
1752-21.1	IDC Web Site for Information on IDC 1752 Standard Form Type				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					Materials	and Mfg Infor	mation			
Supplie	r Information														
Company name* Company unique ID					Unique ID Authority					F	Response Date*				
On Semic	onductor								2	2021-02-03					
Contact Name Title				Fitle - Contact			Phone - Contact*				F	Email - Contact*			
Product-l	Env-Stewards		Product Envi	ro Compliance		NA]	Product-Env-Stewards@onsemi.com				
Authorize	ed Representative*	Title - Repre	Title - Representative			Phone - Representative*				F	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 Sit		Site	Weight*	UOM	Unit Type			
		BC547B	BC547BTA NPN/50V/100m				2021-02-03 CNF			223.092	mg	Each			
Aanufa	cturing Proccess Informa	ntion		,								,		1	
	Terminal Plating / Grid Array M	erminal Base Alloy J-ST		STD-020 MSI	L Rating	Peak Process Body Temperature Max Ti		Max Time a	at Peak Te	emperature N	umber of Reflow	Cycles			
	Matte Tin (Sn) - annealed		CU Alloy NA		Α		0		С	30		seconds 3			
Comments				·										·	
or more	information regarding materia	composition	nlesse refer to	nage 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	ed						
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).											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledges that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Itability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part shall apply.											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	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											
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the						

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.

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).

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 101.001		mg	Supplier	Silver (Ag)	7440-22-4		1.01	mg
			Supplier	Manganese (Mn)	7439-96-5		0.505	mg
			В	Nickel (Ni)	7440-02-0		0.182	mg
			Supplier	Iron (Fe)	7439-89-6		98.4	mg
			Supplier	Copper (Cu)	7440-50-8		0.904	mg
Mold Compound-Black	112.0		Supplier	2,6-dibromo-4-[1-(3-bromo-4-hydroxyphenyl)-1-methylethyl]phenol	6386-73-8		3.36	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		22.4	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		2.8	mg
			Supplier	Carbon Black (C)	1333-86-4		0.84	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		82.6	mg
Plating	9.94	mg	Supplier	Tin (Sn)	7440-31-5		9.94	mg
Wire Bond - Au	0.076	mg	Supplier	Gold (Au)	7440-57-5		0.076	mg