IPC ASSOCIATION ELECTRONIC	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					Form Type Distribute	* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ials and Mfg Information				
Supplie	r Information														
Company name* Compa				ompany unique ID			Unique ID Authority					Response Date*			
onsemi												2024-05-01			
Contact N	lame		Title - Contact]	Phone - Contact*				Email - Contact*				
Product-l	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorize	ed Representative*		Title - Representative			1	Phone - Representative*				Email - Representative*				
Product-1	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		Number Mfr Item Name				Effective Dat	tive Date Version Manufacturing Site		ring Site	V	Veight*	UOM	Unit Type	
		2N5551TF		NPN/150V/0.6A/80-250			2024-05-01			CNF		2	19.001	mg	Each
Manufa	cturing Proccess Informat	ion													
	Terminal Plating / Grid Array Material Te		Terminal Base Alloy J-STD-020		-STD-020 MSI	L Rating	Peak Process Body Temperat		Temperatu	ture Max Time at Peak Tempe		Temperatu	ire Numb	per of Reflow Cyc	les
	Matte Tin (Sn) - annealed		CU Alloy NA		NA		0 C		30 seco		second	ls 3			
Comments	3														
											·				·
or more	information regarding material o	composition	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	led						
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 and belief, as of the date 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 provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier have provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability 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											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	ceptance *	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											
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recruired by the						
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	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	nogeneous Material Weight U1		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			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