	Material Composit © Copyright 2005. IPC, international and Pan-Art	Bannockb	urn, Illinois. A	ll rights reserved u ntions.	nder both	This docume level parts, t	ent is a declara he declaration	tion of the encompas	e substance sses all low	s within the n er level mater	nanufactur rials for wl	er listed it hich the m	em. Note: i anufacturer	f the item is an as r has engineering	ssembly with lower 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 Mater					ous Materia	als and Mfg Information				
Supplier Information	tion														
Company name*			Company unique ID			Unique ID Authority					Response Date*				
onsemi										2025-08-01					
Contact Name 7			Title - Contact				Phone - Contact*					Email - Contact*			
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized Representative* Ti			Title - Representative			Phone - Representative*				Email - Representative*					
Product-Env-Steward	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com						
Requester I	Requester Item Number Mfr Iten		n Number Mfr Item Name				Effective Da	ate Version Manufacturing Site		ng Site	V	Weight*	UOM	Unit Type	
		NZT651		NPN BJT SOT-223			2025-08-01					1	18.973	mg	Each
Manufacturing Pi	roccess Information	1													
Terminal Plating / Grid Array Material Termin			erminal Base A	inal Base Alloy J-STD-020 MSL			Peak Process Body Temperature Max Time at P			ne at Peak	k Temperature Number of Reflow Cycles				
Matte Tin (Sn) - annealed CU Alloy			U Alloy	1			260		С	30		secon	ds 3		
Comments															
evel 1 - maximum tim	e at peak temperature d	luring sol	dering is 10-3	0 seconds											
For more information	regarding material com	position	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), Diisobutyl phthalate (DIBP).											
cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexces encompass all such components. Supplier cer as of the date that Supplier completes this for Company acknowledges that Supplier may h independently verified information provided certification in this paragraph. If the Company	ated biphenyls and/or polybrominated dip s of an applicable quantity limit, please in iffies that it gathered the information it pr m.Supplier acknowledges that Company ave relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr esource of the Supplier's liability and the	henyl ethers (each a "RoHS restricted substa ndicate below which, if any, RoHS exemption ovides in this form using appropriate methoo will rely on this certification in determining ers in completing this form, and that Supplie num, itssuppliers have provided certification eement with respect to the identified part, the Company's remedies for issues that arise reg	nce") in exco n you believe ls to ensure i the compliar r may not ha s regarding t terms and co	e may apply. If the part is an assembly with low s accuracy and that such information is true an ce of its products with European Union member de independently verified such information. Ho neir contributions to the part, and those certifica	ove. If a homogeneous material within the part er level components, the declaration shall d correct to the best of its knowledge and belief, er state laws that implement the RoHS Directive. wever, in situations where Supplier has not ations are at least as comprehensive as the anty rights and/or remedies provided as part of							
RoHS Declaration * 4 - Item(s) does not contain RoHS restricted subst	ances per the definition above except for sele	ected exempt	ions Supplier Acceptance	* Accepted							
Exemption: 7a: Lead in high melting temp	erature type solders (i.e. lead based sol	der alloys containing 85% by weight or m	ore lead).									
Exemption List Version	EL-2011/534/EU											
Declaration Signature												
Instructions: Complete all of the required Requester) and click on Submit Form to h			e drop-dowi	a. This will display the signature area. Digita	lly sign the declaration (if required by the							
Supplier Digital Signature	astislav 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	1.54	mg	Supplier	Silicon (Si)	7440-21-3		1.54	mg
Die Attach Solder	0.541	mg	Supplier	Silver (Ag)	7440-22-4		0.0135	mg
			А	Lead (Pb)	7439-92-1	7a	0.5004	mg
			Supplier	Tin (Sn)	7440-31-5		0.027	mg
Lead Frame	66.944	mg	Supplier	Silver (Ag)	7440-22-4		0.234	mg
			Supplier	Zinc (Zn)	7440-66-6		0.08	mg
			Supplier	Iron (Fe)	7439-89-6		1.61	mg
			Supplier	Copper (Cu)	7440-50-8		65	mg
			Supplier	Phosphorus (P)	7723-14-0		0.02	mg
Mold Compound-Black	41.108	mg	В	Brominated Bisphenol A Diglycidyl Ether	40039-93-8		0.4111	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		6.1662	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		1.0277	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		30.0088	mg
			Supplier	Silica (SiO2)	14464-46-1		0.2055	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		3.0831	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.2055	mg
Plating	8.29	mg	Supplier	Tin (Sn)	7440-31-5		8.29	mg
Wire Bond - Au	0.55	mg	Supplier	Gold (Au)	7440-57-5		0.55	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 sigma range of distribution unless otherwise noted).