	CONNECTING INDUSTRIES® International and Pa	IPC, Bannockt	urn, Illinois. A	ll rights reserved un ntions.	nder both	This docume level parts, t	ent is a declarat	ion of the spencompasse	ubstances s all lower	within the manufactur r level materials for w	er listed in hich the m	em. Note: if anufacturer	f the item is an as has engineering	sembly with lower responsibility.
1752-21.1					Form Type Distribute	 Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater 				ials and Mfg Information				
Supplier 1	Information													
Company name*			Company un	Company unique ID			Unique ID Authority				Response Date*			
onsemi										2024-05-20				
Contact Na	ne	Title - Contact				Phone - Contact*				Email - Contact*				
Product-En	v-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorized	Representative*	Title - Representative				Phone - Representative*				Email - Representative*				
Product-En	v-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
1	Requester Item Number Mfr Item		n Number Mfr Item Name				Effective Date	ate Version Manufacturing Site			Weight*	UOM	Unit Type	
		2SC6017-TL-E BIP NPN 10		BIP NPN 10A 50V	A 50V		2024-05-20		C	CNG		299.19	mg	Each
Manufact	uring Proccess Informa	tion												
Т	Terminal Plating / Grid Array Material Term			erminal Base Alloy J-STD-020 MSL Rat			Peak Process Body Temperature Max Time at Peak				Temperature Number of Reflow Cycles			
contains Bi CU Alloy			1			260		С	30	secon	ds 3			
Comments														
evel 1 - max	ximum time at peak temperat	ure during sol	dering is 10-3	0 seconds										
For more in	formation 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	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, admium, 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 ontains 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 ncompass 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 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 ndependently verified information provided by others, Supplier agrees that, at a minimum, itsuppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the ertification in this paragraph. If the Company and the Supplier 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 hat 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 varranty rights and/or remedies											
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	1.5	mg	Supplier	Silicon (Si)	7440-21-3		1.5	mg
Die Attach Solder	0.71	mg	Supplier	Silver (Ag)	7440-22-4		0.0178	mg
			А	Lead (Pb)	7439-92-1	7a	0.6567	mg
			Supplier	Tin (Sn)	7440-31-5		0.0355	mg
Lead Frame	168.66	mg	Supplier	Tin (Sn)	7440-31-5		0.253	mg
			Supplier	Copper (Cu)	7440-50-8		168.407	mg
Mold Compound-Black	124.13	mg		Brominated epoxy resin	proprietary data		1.7378	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		5.5859	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		1.1172	mg
			Supplier	Carbon Black (C)	1333-86-4		1.2413	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		93.0975	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		21.1021	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.2483	mg
Plating	3.54	mg	В	Bismuth (Bi)	7440-69-9		0.0212	mg
			Supplier	Tin (Sn)	7440-31-5		3.5188	mg
Wire Bond - Al	0.65	mg	Supplier	Aluminum (Al)	7429-90-5		0.65	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).