ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES® MAterial Con © Copyright 200 international and	5. IPC, Bannockl	burn, Illinois. A	All rights reserved untions.	under both	This docume level parts, t	ent is a declarat he declaration e	on of the su ncompasses	ibstances v s all lower	vithin the manufactu level materials for v	arer listed i which the r	tem. Note: nanufacture	if the item is an as or has engineering	ssembly with low responsibility.	
	IPC Web Site for Information on IPC-1752 Standard Form Type http://www.ipc.org/IPC-175x Distribute				*	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Material					ls and Mfg Information			
upplier Information														
Company name* Com			Company unique ID			Unique ID Authority				Respon	Response Date*			
onsemi										2024-05	2024-05-19			
Contact Name Title - Contact			ct	t			Phone - Contact*				Email - Contact*			
Product-Env-Stewards Product Er			ct Enviro Compliance			NA				Produc	Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Represen			entative			Phone - Representative*			Email -	Email - Representative*				
Product-Env-Stewards Prod			Product Enviro Compliance			NA				Produc	Product-Env-Stewards@onsemi.com			
Requester Item Number	Mfr Item Number		Mfr Item Name			Effective Date	Version	M	Ianufacturing Site		Weight*	UOM	Unit Type	
	2SC402	2SC4027S-TL-E BIP NPN 1.5A 1		50V		2024-05-19		С	CNG		281.03	mg	Each	
Anufacturing Proccess Inform	nation													
Terminal Plating / Grid Array	Terminal Plating / Grid Array Material Terminal Base		Alloy	J-STD-020 MS	Peak Process Body Temperature Max Time at Peak				k Tempera	Temperature Number of Reflow Cycles				
contains Bi CU Alloy		CU Alloy		1		260		С	30	secor	nds 3			
omments														
vel 1 - maximum time at peak temper	ature during so	Idering is 10-3	0 seconds											
or more information regarding mater	ial composition	please refer to	page 3											

RoHS Material Composition Declaration				Declaration Type *	Detailed							
Directive 2015/863/EU amending RoHS Directive 2011/65/EU	(Pb), Mercury (Hg), Hexavalent Chro	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), Disobutyl 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 knowledge 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 informationprovided 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, itssuppliers have 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 remedies of its supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms andConditions of Sale applicable to such part shall apply.												
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	0.67	mg	Supplier	Silicon (Si)	7440-21-3		0.67	mg
Die Attach Solder	0.31	mg	Supplier	Silver (Ag)	7440-22-4		0.0078	mg
			А	Lead (Pb)	7439-92-1	7a	0.2868	mg
			Supplier	Tin (Sn)	7440-31-5		0.0155	mg
Lead Frame	146.45	mg	Supplier	Silver (Ag)	7440-22-4		0.3808	mg
			Supplier	Tin (Sn)	7440-31-5		0.205	mg
			Supplier	Copper (Cu)	7440-50-8		145.8642	mg
Mold Compound-Black	130.08	mg		Brominated epoxy resin	proprietary data		1.8211	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		5.8536	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		1.1707	mg
			Supplier	Carbon Black (C)	1333-86-4		1.3008	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		97.56	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		22.1136	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		0.2602	mg
Plating	3.34	mg	В	Bismuth (Bi)	7440-69-9		0.02	mg
			Supplier	Tin (Sn)	7440-31-5		3.32	mg
Wire Bond - Au	0.18	mg	Supplier	Gold (Au)	7440-57-5		0.18	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).