IPC ASSOCIATION ELECTRONIC	Material Compo © Copyright 2005. IP	C, Bannockb	urn, Illinois. A	all rights reserved un	nder both	This docume level parts, t	ent is a declar the declaration	ration o	of the substances inpasses all lowe	within the	e manufactur aterials for w	rer listed it thich the m	em. Note: i	if the item is an as r has engineering	sembly with lowe responsibility.
1752-21.1	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 Mater					ials and Mfg Information					
Supplie	r Information														
Company name*				ompany unique ID			Unique ID Authority					Response Date*			
onsemi												2022-02-10			
Contact Name			Title - Contact				Phone - Contact*				Email - Contact*				
Product-l	Env-Stewards		Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
Authorize	ed Representative*	Title - Representative				Phone - Representative*				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 Da	Pate Version Manufacturing Site		uring Site	Weight*		UOM	Unit Type	
		1N5380BRLG		ZEN SUR40 REG 5W 120V TR			2022-02-10	T		CN3		6	607.0	mg	Each
Manufa	cturing Proccess Informati	ion							,			,			
	Terminal Plating / Grid Array Material Te		Germinal Base Alloy J-STD-020 M		-STD-020 MSI	_ Rating	Peak Pr	Peak Process Body Temperatu		re Max 7	Time at Peak	Temperat	ure Numb	ber of Reflow Cyc	eles
	Matte Tin (Sn) - annealed		CU Alloy NA		JA.		0	C		30 seco		secon	ds 3		
Comments	3									·					
or more	information regarding material c	omposition	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detailed								
Directive 2015/863/EU amending RoHS Directive 2011/65/EU												
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 suppliers 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 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 app												
RoHS Declaration * 4 - Item(s	) does not contain RoHS restricted substance	s per the definition above except for selected exemp	tions Supplier Acceptance	* Accepted								
Exemption: 7a: Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).												
Exemption List Version	EL-2011/534/EU											
Declaration Signature												
Instructions: Complete all of the required f Requester) and click on Submit Form to ha		Accepted" on the Supplier Acceptance drop-dow	n. This will display the signature area. Digita	lly sign the declaration (if required by the								
Supplier Digital Signature Ra	astislav Drska	-En										

## **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).

<b>Homogeneous Material</b>	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	4.5	mg	Supplier	Silicon (Si)	7440-21-3		4.5	mg
Die Attach Solder	21.29	mg	Supplier	Silver (Ag)	7440-22-4		0.5323	mg
			A	Lead (Pb)	7439-92-1	7a	19.6933	mg
			Supplier	Tin (Sn)	7440-31-5		1.0645	mg
Lead Frame	333.62	mg	В	Nickel (Ni)	7440-02-0		3.6698	mg
			Supplier	Copper (Cu)	7440-50-8		329.9502	mg
Mold Compound-Black	239.19			Metal Hydroxide	proprietary data		11.9595	mg
			Supplier	Carbon Black (C)	1333-86-4		2.3919	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		179.3925	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		23.919	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		21.5271	mg
Plating	8.4	mg	Supplier	Tin (Sn)	7440-31-5		8.4	mg