	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under international and Pan-American copyright conventions.			nder both	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	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 Materi					als and Mfg Information					
Supplie	r Information														
Company name* Company uniqu				que ID U			Unique ID Authority					Response Date*			
onsemi												2025-07-03			
Contact Name			Title - Contact				Phone - Contact*				Email - Contact*				
Product-l	Env-Stewards		Product Enviro Compliance				NA					Product-Env-Stewards@onsemi.com			
uthorize	ed Representative*		Title - Representative				Phone - Representative*				Email - Representative*				
Product-	Env-Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com					
	Requester Item Number Mfr Item		Number Mfr Item Name ATR 16V 1W 5% ZENER DO41				Effective Date	e Versi	Version Manufacturing Site		V	Veight*	UOM	Unit Type	
						2025-07-03 CN2			3	24.186	mg	Each			
/Ianufa	ecturing Proccess Information	tion					1								
	Terminal Plating / Grid Array Material		Ferminal Base Alloy J-STD-020 M		J-STD-020 MS	L Rating	Peak Process Body Temperat		ure Max Time at Peak Tem		Temperatu	ire Numb	per of Reflow Cyc	cles	
	Matte Tin (Sn) - annealed		CU Alloy	Alloy NA			0 C		30		second	ls 3			
omments	8														
or more	information 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												
cadmium, hexavalentchromium, polybromina contains a RoHS restricted substance inexcess encompass all such components.Supplier cert as of the date that Supplier completes this for Company acknowledges that Supplier may ha independently verified information provided certification in this paragraph.If the Company	ted biphenyls and/or polybrominated dip of an applicable quantity limit, please in ifies that it gathered the information it pr m.Supplier acknowledges that Company ve relied on informationprovided by oth by others, Supplier agrees that, at a minir and the Supplier enter into a written agr source of the Supplier's liability and the	henyl ethers (each a "RoHS restricted subs ndicate below which, if any, RoHS exempt ovides in this form using appropriate meth will rely on this certification in determinin ers in completing this form, and that Suppl num, itssuppliers have provided certificatio eement with respect to the identified part,t Company's remedies for issues that arise r	stance") in exce ion you believe ods to ensure i g the compliar ier may not ha ons regarding t he terms and co	ropean Union member states) of the part identifiess of the applicable quantity limit identified able may apply. If the part is an assembly with low is accuracy and that such information is true and ce of its products with European Union member independently verified such information. How heir contributions to the part, and those certifica onditions of that agreement, including any warra nation the Supplier provides in this form. In the	ove. If a homogeneous material within the part er level components, the declaration shall l correct to the best of its knowledge and belief, r state laws that implement the RoHS Directive. wever, in situations where Supplier has not tions are at least as comprehensive as the inty 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 se	elected exempt	ions Supplier Acceptance	* Accepted							
Exemption: 7c-I Electrical and electronic c	omponents containing lead in a glass o	r ceramic other than dielectric ceramic	in capacitors,	e.g. piezoelectronic devices, or in a glass or c	eramic matrix compound.							
Exemption List Version	EL-2011/534/EU											
Declaration Signature												
Instructions: Complete all of the required Requester) and click on Submit Form to ha			ice drop-dowi	n. This will display the signature area. Digital	ly sign the declaration (if required by the							
Supplier Digital Signature R	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
CSS Wire	202.316	mg	Supplier	Sulfur (S)	7704-34-9		0.1012	mg
		C C	Supplier	Carbon (C)	7440-44-0		1.0116	mg
			Supplier	Manganese (Mn)	7439-96-5		0.4046	mg
			Supplier	Iron (Fe)	7439-89-6		129.988	mg
			Supplier	Copper (Cu)	7440-50-8		70.7094	mg
			Supplier	Phosphorus (P)	7723-14-0		0.1012	mg
Die	0.093	mg	Supplier	Silicon (Si)	7440-21-3		0.093	mg
Dumet Wire	57.927	mg	Supplier	Manganese (Mn)	7439-96-5		0.5213	mg
			Supplier	Silicon (Si)	7440-21-3		0.2317	mg
			В	Nickel (Ni)	7440-02-0		18.3339	mg
			Supplier	Iron (Fe)	7439-89-6		25.2851	mg
			Supplier	Copper (Cu)	7440-50-8		13.5549	mg
Glass Encapsulation	60.33	mg	Supplier	Boron Trioxide (B2O3)	1303-86-2		1.8099	mg
			А	Lead Oxide (PbO)	1317-36-8	7c	36.922	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.0302	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		2.2624	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		19.3056	mg
Plating	3.52	mg	Supplier	Tin (Sn)	7440-31-5		3.52	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).