ASSOCIATION CONNECT	© Copyright 2005. IPG	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with low level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.										
752-21.1		IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				e * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater						als and Mfg	g Informa	ation		
Supplier Infor	mation															
Company name*			Company unique ID			τ	Unique ID Authority					Response Date*				
onsemi													2024-05-03			
Contact Name		Title - Contact			F	Phone - Contact*					Email - Contact*					
Product-Env-Stev	wards	Product Enviro Compliance			]	NA					Product-Env-Stewards@onsemi.com					
authorized Repre	sentative*	Title - Representative			F	Phone - Representative*				Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com					
Reques	ster Item Number			r Item Number Mfr Item Name  MC6890NZ 20V 4A Q1:68 O Q2:10			Effective Dat	e Version	n N	Manufacturing Site		W	Weight* UOM		Unit Type	
							2024-05-03		TH6			18.718		mg	Each	
<b>Ianufacturin</b>	g Proccess Informati	on														
Termina	l Plating / Grid Array Material		Terminal Base Alloy		J-STD-020 MS	020 MSL Rating		Peak Process Body Temperature		re Max Time at Peak Temper		Temperatu	nture Number of Reflow Cycles		les	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			CU Alloy 1		1		260		С		seco		s <b>3</b>			
Comments																
vel 1 - maximum	ı time at peak temperatur	e during so	ldering is 10-3	30 seconds												
or more informa	tion regarding material c	omposition	please refer to	page 3												

RoHS Material Composition Declaration			Declaration Type *	Detail	ed				
Directive 2015/863/EU amending RoHS Directive 2011/65/EU		ium (Cr6+), Polybrominated Biphenyls (PB)	erial for Cadmium and quantity limit of 0.1% b B), Polybrominated Diphenyl Ethers (PBDE), a						
cadmium, hexavalentchromium, polybromin contains a RoHS restricted substance inexce encompass all such components. Supplier cet as of the date that Supplier completes this Company acknowledges that Supplier may hindependently verified information provided certification in this paragraph. If the Compan	nated biphenyls and/or polybrominated diphess of an applicable quantity limit, please indriffes that it gathered the information it provom. Supplier acknowledges that Company wave relied on informationprovided by others of the supplier agrees that, at a minimusy and the Supplier enter into a written agree yesource of the Supplier's liability and the C	enyl ethers (each a "RoHS restricted substan licate below which, if any, RoHS exemption vides in this form using appropriate methods vill rely on this certification in determining the s in completing this form, and that Supplier um, itssuppliers have provided certifications ement with respect to the identified part, the tompany's remedies for issues that arise rega	s of the European Union member states) of the ce") in excess of the applicable quantity limit is you believe may apply. If the part is an assemb to ensure its accuracy and that such informatio e compliance of its products with European Ur may not have independently verified such infor regarding their contributions to the part, and the erms and conditions of that agreement, including information the Supplier provides in this	dentified above. If a ally with lower level in is true and correct tion member state la mation. However, in ose certifications are ag any warranty righ	homogeneous material within the part components, the declaration shall to the best of its knowledge and belief, was that implement the RoHS Directive. In situations where Supplier has not the at least as comprehensive as the lats and/or remedies provided as part of				
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substar	nces per the definition above	Supplier A	cceptance *	Accepted				
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.									
Exemption List Version	EL-2011/534/EU								
Declaration Signature									
		e "Accepted" on the Supplier Acceptance	drop-down. This will display the signature a	rea. Digitally sign t	the declaration (if required by the				

## **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).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	1.3	mg	Supplier	Silicon (Si)	7440-21-3		1.3	mg
Die Attach Epoxy	0.246	mg	Supplier	Poly(oxypropylene)diamine	9046-10-0		0.0074	mg
			Supplier	Silver (Ag)	7440-22-4		0.2091	mg
			Supplier	Proprietary	Proprietary Data		0.0123	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.0172	mg
Lead Frame	4.916	mg	Supplier	Zinc (Zn)	7440-66-6		0.006	mg
			Supplier	Iron (Fe)	7439-89-6		0.118	mg
			Supplier	Copper (Cu)	7440-50-8		4.79	mg
			Supplier	Phosphorus (P)	7723-14-0		0.002	mg
Mold Compound-Black	12.04	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		1.08	mg
			Supplier	Carbon Black (C)	1333-86-4		0.12	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		10.6	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.24	mg
Plating	0.032	mg	Supplier	Palladium (Pd)	7440-05-3		0.003	mg
			В	Nickel (Ni)	7440-02-0		0.029	mg
			Supplier	Gold (Au)	7440-57-5		0	mg
Wire Bond - Cu	0.184	mg	Supplier	Copper (Cu)	7440-50-8		0.184	mg