52-21.1	IPC Web Site for Int	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights international and Pan-American copyright conventions.		All rights reserved ui ntions.	nder both	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.								
	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				terials and l	rials and Mfg Information				
ıpplier Iı	nformation													
ompany na	me*	Company unique ID			J	Unique ID Authority				Response Date*				
semi											2023-06-08			
ontact Nam	ne	Title - Contact			I	Phone - Contact*			Email	Email - Contact*				
roduct-Env	y-Stewards	Product Enviro Compliance]	NA			Produ	Product-Env-Stewards@onsemi.com				
ıthorized R	Representative*	Title - Representative			I	Phone - Representative*			Email	Email - Representative*				
Product-Env-Stewards Pro				Product Enviro Compliance			NA			Produ	Product-Env-Stewards@onsemi.com			
R	equester Item Number	Mfr Item Number		Mfr Item Name			Effective Date	Version	Manufacturing Site	Manufacturing Site		UOM	Unit Type	
		SC431IL	PRAG	ANA 2.5V PROG	SHUNT REF		2023-06-08		CNF		198.01	mg	Each	
	uring Process Informa		in-1 D	A 11	CTD 020 MCI	I. Dating	Deals Dead	De des Trans	Mar Time of D	a da Tanana	AT	on of Defining Co.	1	
8				-STD-020 MSI	L Rating		ess Body Temp	erature Max Time at P	1.		er of Reflow Cy	cles		
	atte Tin (Sn) - annealed	(CU Alloy	N	NA		0	<u> </u>	30	seco	onds 3			
omments														
	ormation regarding material		1											

RoHS Material Composition Declaration			Declaration Type *	Detail	ed					
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 (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).										
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	3.2	mg	Supplier	Silicon (Si)	7440-21-3		3.2	mg
Die Attach	5.15	mg	Supplier	Silver (Ag)	7440-22-4		4.3775	mg
			Supplier	Phenolic Resin	Proprietary Data		0.7725	mg
Lead Frame	80.67		Supplier	Silver (Ag)	7440-22-4		0.0081	mg
			Supplier	Iron (Fe)	7439-89-6		0.0807	mg
			Supplier	Copper (Cu)	7440-50-8		80.5571	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0242	mg
Mold Compound-Black	106.15	mg		Phenol Resin	proprietary data		10.615	mg
			Supplier	Carbon Black (C)	1333-86-4		1.0615	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		81.7355	mg
			Supplier	Ortho-Cresol Novolac Resin	29690-82-2		12.738	mg
Plating	2.74	mg	Supplier	Tin (Sn)	7440-31-5		2.74	mg
Wire Bond - Au	0.1	mg	Supplier	Gold (Au)	7440-57-5		0.1	mg