52-21.1 upplier Informa	http://www.ipc.org/IF		C-1752 Stand				This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lowel level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.							
upplier Informa		IPC Web Site for Information on IPC-1752 Standard Form Typ http://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No. Homogeneous Materi				ials and Mfg Information				
	tion						·							
Company name*			Company unique ID			Uniqu	ue ID Author	rity		Response Date*				
semi										2024-05-10				
ontact Name		,	Title - Contact			Phon	Phone - Contact*			Email - Contact*				
roduct-Env-Stewar	ls	]	Product Enviro Compliance			NA	NA			Product-Env-Stewards@onsemi.com				
uthorized Represent	ative*	7	Title - Representative			Phon	Phone - Representative*			Email - Representative*				
roduct-Env-Stewar	ls	]	Product Enviro Compliance			NA	NA			Product-Env-Stewards@onsemi.com				
Requester	Item Number	Mfr Item Number		Mfr Item Name		Effe	ective Date	Version	Manufacturing Site	Weight*	UOM	Unit Type		
	SMF12CT1G MI SC88		MI SC88 Z/R PNTA	II SC88 Z/R PNTA ARRAY TR		4-05-10		MY1	6.2	mg	Each			
	roccess Informatio		rminal Daga	Alloy	STD-020 MSL Ratin	19	Dook Process	s Pady Tampara	ture Max Time at Peak	Tamparatura Numb	or of Poflow Cv	alos		
			Terminal Base Alloy J-STD-0 CU Alloy 1		STD-020 WISE Kaun	2	260			ak Temperature Number of Reflow Cycles seconds 3		cies		
•	Sii) - aimeaieu	Į C U	Alloy	1			200		30	seconds 3				
omments	ne at peak temperature	during cold	oring is 10-2	A seconds										
	regarding material co													

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 (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl 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 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 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 enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's Islability and the Company's remedies for issues that arise regarding information the Supplier provides in this f										
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	0.19	mg	Supplier	Silicon (Si)	7440-21-3		0.19	mg
Die Attach	0.12	mg	Supplier	Silver (Ag)	7440-22-4		0.09	mg
			Supplier	Epoxy resins	129915-35-1		0.03	mg
Lead Frame	1.92		Supplier	Silver (Ag)	7440-22-4		0.0154	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0019	mg
			Supplier	Iron (Fe)	7439-89-6		0.0499	mg
			Supplier	Copper (Cu)	7440-50-8		1.8528	mg
Mold Compound-Black	3.9			Epoxy resin	proprietary data		0.195	mg
			Supplier	Phenolic Resin	Proprietary Data		0.195	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.078	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0195	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		3.4125	mg
Plating	0.05	mg	Supplier	Tin (Sn)	7440-31-5		0.05	mg
Wire Bond - Au	0.02	mg	Supplier	Gold (Au)	7440-57-5		0.02	mg