IPC ASSOCIATION CONT	© Copyright 2005.	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.			der 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.								
752-21.1		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				als and Mf	g Informat	ion	
upplier Inf	formation													
Company name* Compan				mpany unique ID			Unique ID Authority				Response Date*			
nsemi											2023-06-08			
Contact Name		Title - Contact			I	Phone - Contact*				Email - Contact*				
Product-Env-S	Stewards	Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
uthorized Re	presentative*	Title - Representative			I	Phone - Representative*			Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance				NA NA				Product-Env-Stewards@onsemi.com			
Req	quester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	N	Manufacturing Site	W	eight*	UOM	Unit Type
	DF04S1 BR SDIP PN 1A		BR SDIP PN 1A 40	400V		2023-06-08 PAI		PANJITFG		10.0	mg	Each		
	ring Proccess Informa		Germinal Base	Alloy	STD-020 MS	L Rating	Peak Proce	es Rody Te	emperatur	e Max Time at Peak	Temperatu	re Numb	per of Reflow Cyc	dec
		CU Alloy 1		31D-020 MS	L Kanng	Peak Process Body Temper 260 C						bei of Kellow Cyc	les	
omments	ik Im (311) - amicaicu		Alloy	1			200		<u> </u>	JU	second	o <i>3</i>		
	num time at peak temperat	turo during sol	Idering is 10-3	M seconds										
	rmation regarding materia	8												

RoHS Material Composition Declaration			Declaration Type *	Detailed						
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 informationprovided 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 uppliers 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 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 Standard Terms andConditions of Sale applicable to such part shall apply.										
RoHS Declaration * 4 - Item(s	s) does not contain RoHS restricted substance	ces per the definition above except for selected exer	nptions 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: 7c-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.										
Exemption List Version	EL-2011/534/EU									
Declaration Signature										
Instructions: Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.										
Supplier Digital Signature R		,								

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	3.6	mg	Supplier	Silicon (Si)	7440-21-3		3.3768	mg
			В	Nickel (Ni)	7440-02-0		0.0324	mg
			Supplier	Gold (Au)	7440-57-5		0.018	mg
			A	Lead Oxide (PbO)	1317-36-8	7c	0.1728	mg
Die Attach Solder	2.595	mg	Supplier	Silver (Ag)	7440-22-4		0.0649	mg
			A	Lead (Pb)	7439-92-1	7a	2.4004	mg
			Supplier	Tin (Sn)	7440-31-5		0.1297	mg
Lead Frame	63.63	mg	Supplier	Iron (Fe)	7439-89-6		0.0764	mg
			Supplier	Copper (Cu)	7440-50-8		63.5346	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0191	mg
Mold Compound-Black	233.175	mg		Metal Hydroxide	proprietary data		8.1611	mg
			Supplier	Ortho Cresol Novolac Resin	29690-82-2		18.654	mg
			Supplier	Carbon Black (C)	1333-86-4		1.1659	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		186.54	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		18.654	mg
Plating	7.0	mg	Supplier	Tin (Sn)	7440-31-5		7	mg