IPC ASSOCIATION CONI	© Copyright 2005.	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 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					fg Informati	on	
upplier Inf	formation						·							
Company name*			Company unique ID			J	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			F	Phone - Representative*			Email - Representative*					
Product-Env-S	Stewards		Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
Rec	quester Item Number	Mfr Item	Number	Mfr Item Name			Effective Date	Version	Manufacturing Site		V	Weight*	UOM	Unit Type
		FAN3180TSX Sing. 2A Low		Sing. 2A Low Side	e Drive 200		2023-06-08		PI	PBB		7.213	mg	Each
	ring Proccess Information Plating / Grid Array N		arminal Rasa	Alloy	STD-020 MSI	I. Pating	Pank Proce	es Rody Tam	maratura	May Time at Peak	Tamparati	ura Numb	er of Reflow Cyo	alac
2		Terminal Base Alloy J-STD CU Alloy 1		31D-020 M31	L Katilig	Peak Process Body Temper 260 C		•				er or Kerlow Cyc	nes	
-	ite 1 m (5n) - anneaieu	IC	O Alloy	1			200			30	secon	us 3		
omments	num time at peak tempera	turo durina sol	doring is 10.3	M seconds										
	num time at peak tempera rmation regarding materia	8												

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 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 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 Standard Terms andConditions of Sale applicable to such part shall apply.											
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	0.46	mg	Supplier	er Silicon (Si)			0.46	mg
Die Attach	0.23	mg	Supplier	Ethylene glycol dicyclopentenyl ether methacrylate	68586-19-6		0.0081	mg
			Supplier	Bis(a,a-dimethylbenzyl) Peroxide	80-43-3		0.0015	mg
			Supplier	Silver (Ag)	7440-22-4		0.2205	mg
Lead Frame	7.29	mg	Supplier	Silver (Ag)	7440-22-4		0.0146	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0087	mg
			Supplier	Iron (Fe)	7439-89-6		0.1713	mg
			Supplier	Copper (Cu)	7440-50-8		7.0932	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0022	mg
Mold Compound-Black	8.68		Supplier	Ortho Cresol Novolac Resin	29690-82-2		2.5172	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0868	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		6.076	mg
Plating	0.453	mg	Supplier	Tin (Sn)	7440-31-5		0.453	mg
Wire Bond - Au	0.1	mg	Supplier	Gold (Au)	7440-57-5		0.1	mg