ASSOCIATION CONNEC	© Copyright 2005. I	aterial Composition Declaration Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both ernational and Pan-American copyright conventions.			der both le	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 Mater					ials and Mfg Information			
upplier Info	rmation								,					
Company name*			Company unique ID			τ	Unique ID Authority				Response Date*			
nsemi											2023-06-08			
Contact Name			Title - Contact			P	Phone - Contact*				Email - Contact*			
Product-Env-Ste	ewards		Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
uthorized Repr	esentative*	Title - Representative			P	Phone - Representative*			Email - Representative*					
Product-Env-Stewards			Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
Reque	ester Item Number			Mfr Item Name			Effective Date Version Manufacturing Site		Manufacturing Site	We	ight*	UOM	Unit Type	
				S-Flash Memory(4N	1) 202		2023-06-08	023-06-08 CNH		CNH	100	.0	mg	Each
T	ng Process Informa			All Lo	OTT OO MOU	D. C	D 1 D	D 1 T		M. Ti and the	T	N. 1	CD G C	,
		*		STD-020 MSL 1	Rating			Body Temperature Max Time at Peak C 30				er of Reflow Cyc	eles	
•	Tin (Sn) - annealed	C	CU Alloy	[3			260		IC.	30	seconds	3		
omments														
	ISL 3 Rated item require		` `											
r more inform	ation regarding material	composition]	please refer t	o page 3										

RoHS Material Composition Declaration			Declaration Type *	Detail	led						
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).											
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 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 near not 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 liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Stand											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	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											
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recurined by the						
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	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	2.32	mg	Supplier	Silicon (Si)	7440-21-3		2.3035	mg
			Supplier	Polyimide	Proprietary Data		0.0165	mg
Die Attach	0.28	mg	Supplier	Silver (Ag)	7440-22-4		0.2086	mg
			Supplier	Epoxy resins	129915-35-1		0.0238	mg
			Supplier	Polybutadiene polymer	Proprietary Data		0.0056	mg
			Supplier	Acrylic resins	Proprietary Data		0.042	mg
Lead Frame	37.3	mg	Supplier	Silver (Ag)	7440-22-4		0.9325	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0709	mg
			Supplier	Iron (Fe)	7439-89-6		0.9437	mg
			Supplier	Copper (Cu)	7440-50-8		35.3007	mg
			Supplier	Phosphorus (P)	7723-14-0		0.0522	mg
Mold Compound-Black	59.47	mg		Phenolic Resin	proprietary data		2.3788	mg
			Supplier	Epoxy Phenol Resin	Proprietary Data		3.8656	mg
			Supplier	Carbon Black (C)	1333-86-4		0.1784	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		53.0472	mg
Plating	0.54	mg	Supplier	Tin (Sn)	7440-31-5		0.54	mg
Wire Bond - Au	0.09	mg	Supplier	Gold (Au)	7440-57-5		0.09	mg