IPC ASSOCIATION CONNELECTRONICS INDUST	© Copyright 2005. IP	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 http://www.ipc.org/IPC-175x Form Typ Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					ials and Mfg Information			
upplier Info	rmation													
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-Ste	ewards		Product Enviro Compliance]	NA				Product-Env-Stewards@onsemi.com			
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Product-Env-Ste	ewards		Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
Reque	Requester Item Number Mf		Mfr Item Number Mfr Item Name			Eff		Version	N	Anufacturing Site	V	Veight*	UOM	Unit Type
		NL17SV16XV5T2G LOGIC ULT		LOGIC ULTRA L/	A L/VOL BUFFER		2023-06-08		C	CN1		.703	mg	Each
T	ng Process Informat		arminal Pess	Alloy	STD-020 MSL	Dating	Dook Proc	noss Poder	Comporative	e Max Time at Peak	Tamparatu	ro Numb	per of Reflow Cyc	, aloc
			Terminal Base Alloy J-STD CU Alloy 1		S1D-020 MSL	z Kanng	Peak Process Body T 260		T '	C 30		seconds 3		cies
•	1 m (5n) - annealed	C	U Alloy	I			200		IC	30	second	is [3		
omments	time at week town t	uo dumina1	domina ia 10 1	10 seconds										
	m time at peak temperatur													
: more inform	ation regarding material o	composition p	piease refer to	o page 3										

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 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 St											
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).

Iomogeneous Material Weight U		Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	0.03	mg	Supplier	Silicon (Si)	7440-21-3		0.03	mg
Lead Frame	1.22	mg	В	Nickel (Ni)	7440-02-0		0.4941	mg
			Supplier	Iron (Fe)	7439-89-6		0.6771	mg
			Supplier	Copper (Cu)	7440-50-8		0.0488	mg
Mold Compound-Black	1.4	mg	Supplier	Ortho Cresol Novolac Resin	29690-82-2		0.14	mg
			Supplier	Carbon Black (C)	1333-86-4		0.007	mg
			Supplier	Aluminum Hydroxide (Al(OH)3)	21645-51-2		0.203	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.91	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		0.14	mg
Plating	0.003	mg	Supplier	Tin (Sn)	7440-31-5		0.003	mg
Wire Bond - Au	0.05	mg	Supplier	Gold (Au)	7440-57-5		0.05	mg