ASSOCIATION CO	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.				This do level pa	This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lowe 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 Typhttp://www.ipc.org/IPC-175x Distribute				Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materi					ials and Mfg Information			
Supplier I	Information													
Company name* Company unique ID					Unique ID Authority				Response Date*					
nsemi											2024-05-19			
Contact Name Title - Contact				et	P		Phone - Contact*				Email - Contact*			
Product-En	v-Stewards		Product Envi	viro Compliance		NA.	NA				Product-Env-Stewards@onsemi.com			
Authorized Representative* Title - Representativ				ntative		Pho	Phone - Representative*			Email - Representative*				
Product-En	v-Stewards	Product Envi	Product Enviro Compliance			NA				Product-Env-Stewards@onsemi.com				
F	Requester Item Number Mfr		n Number		Ef	Effective Date   Version   M		Manufacturing Site Weight		Weight*	UOM	Unit Type		
		NCV70627MW002AR LIN STEPPER DRI		PRIVER, STALL Gresh	am 20	)24-05-19	BE4		,	70.12	mg	Each		
Ianufact	uring Proccess Informa	ation												
Те	Terminal Plating / Grid Array Material			Ferminal Base Alloy J-STD-020 MSI		;	Peak Process Body Temperature Max Time a		e Max Time at Peak	Temperat	ure Numb	per of Reflow Cyc	eles	
Matte Tin (Sn) - annealed		CU Alloy 3		3		260 C		1	30 sec		ds 3			
omments														
TTENTIO	N: MSL 3 Rated item requir	es Bake and D	Ory Pack (after	electrical test)										
or more inf	formation regarding materia	l composition	please refer to	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 (DBP), Dibutyl phthalate (DBP), 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 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 suppliers 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 have 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 Standard Terms and Conditions 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).

<b>Homogeneous Material</b>	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Die	4.4	mg	Supplier	Silicon (Si)	7440-21-3		4.4	mg
Die Attach	2.1	mg		Epoxy resin	proprietary data		0.21	mg
			Supplier	Acrylic Copolymer	Proprietary Data		1.47	mg
			Supplier	Phenolic resins	Proprietary Data		0.21	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		0.21	mg
Lead Frame	30.4	mg	Supplier	Silver (Ag)	7440-22-4		0.608	mg
			Supplier	Tin (Sn)	7440-31-5		0.076	mg
			Supplier	Zinc (Zn)	7440-66-6		0.0669	mg
			Supplier	Chromium (Cr)	7440-47-3		0.076	mg
			Supplier	Copper (Cu)	7440-50-8		29.5731	mg
Mold Compound-Black	30.49	mg		Epoxy resin	proprietary data		1.433	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		3.049	mg
			Supplier	Carbon Black (C)	1333-86-4		0.0305	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		24.5445	mg
			Supplier	Phenolic Resin (Novolac)	9003-35-4		1.433	mg
Plating	2.5	mg	Supplier	Tin (Sn)	7440-31-5		2.5	mg
Wire Bond - Au	0.23	mg	Supplier	Gold (Au)	7440-57-5		0.23	mg