IPC ASSOCIATION CONNECT ELECTRONICS INDUSTR	Material Composi © Copyright 2005. IPC, international and Pan-An	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 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 Type http://www.ipc.org/IPC-175x Distribute				* Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Mater					als and Mf	g Informat	ion	
upplier Infor									,					
Company name*			Company unique ID			U	Unique ID Authority				Response Date*			
nsemi											2024-05-18			
Contact Name		Т	Title - Contact			P	Phone - Contact*				Email - Contact*			
Product-Env-Stev	wards	P	Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
uthorized Repre	sentative*	Т	Title - Representative			P	Phone - Representative*				Email - Representative*			
Product-Env-Stev	wards	P	Product Enviro Compliance			1	NA				Product-Env-Stewards@onsemi.com			
Reques	Requester Item Number Mfr Item		umber			Effective Date	e Versio	n I	Manufacturing Site	V	Veight*	UOM	Unit Type	
		NCV706271 2G	MW002AR	LIN STEPPER DI	RIVER, STALL Gree	sham	2024-05-18		1	BE4	7	0.12	mg	Each
Ianufacturin s	g Proccess Information	n												
Terminal Plating / Grid Array Material Term			erminal Base Alloy J-STD-020 MSL R		J-STD-020 MSL Rati	ng	Peak Process Body Temperature Max Time at		re Max Time at Peak	Temperatu	re Numb	ber of Reflow Cyc	les	
Matte Tin (Sn) - annealed		CU	CU Alloy 3		3		260 C		С	30	second	ls 3		
omments														
TTENTION: MS	SL 3 Rated item requires Ba	ake and Dry	Pack (after	electrical test)										
or more informa	tion regarding material con	nposition ple	ease refer to	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), 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 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 is 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 substa	ances per the definition above	Supplier Ac	ceptance *	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	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