IPC ASSOCIATION CONNECTINE ELECTRONICS INDUSTRIE	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 low 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						erials and M	ials and Mfg Information				
Supplier Inforn	nation																
Company name* Company unique				nique ID			Unique ID Authority					Respon	Response Date*				
onsemi												2023-06	2023-06-08				
Contact Name	Title - Contact]	Phone - Contact*					Email -	Email - Contact*						
Product-Env-Stewa	Product Enviro Compliance				NA					Produc	Product-Env-Stewards@onsemi.com						
Authorized Representative* Title				Title - Representative			Phone - Representative*					Email -	Email - Representative*				
Product-Env-Stewards			Product Enviro Compliance				NA					Produc	Product-Env-Stewards@onsemi.com				
Requeste	er Item Number Mfr Iten		em Number Mfr Item Name				Effective Da	ate V	e Version M		Manufacturing Site		Weigl	nt*	UOM	Unit Type	
		NCV78825DQ0R2G		NCV78825DQ0R2G			2023-06-08	06-08 PHG			515.45		mg	Each			
Janufacturing	Proccess Informatio	n															
Terminal	l Plating / Grid Array Material		Terminal Base Alloy J		J-STD-020 M	ISL Rating	Peak Pr	Peak Process Body Temperatur		ture M	re Max Time at Peak Tempe		ture	Number	of Reflow Cyc	eles	
Precious metal (e.g. Ag,Au, NiPdAu) (no Sn)			CU Alloy 3		3		260		С		30 sec		nds	3			
Comments																	
TTENTION: MSI	3 Rated item requires B	ake and D	ry Pack (after	electrical test)													
or more informati	on regarding material co	mposition	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 (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 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 has not orditions 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 r												
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	15.99	mg	Supplier	Silicon (Si)	7440-21-3		15.99	mg
Die Attach	2.86	mg		Epoxy resin	proprietary data		0.286	mg
			Supplier	Ethylene dimethacrylate	97-90-5		0.143	mg
			Supplier	Silver (Ag)	7440-22-4		2.288	mg
			Supplier	Formaldehyde Polymer	9003-36-5		0.143	mg
Lead Frame	172.4	mg	Supplier	Zinc (Zn)	7440-66-6		0.1724	mg
			Supplier	Iron (Fe)	7439-89-6		3.9652	mg
			Supplier	Copper (Cu)	7440-50-8		168.09	mg
			Supplier	Phosphorus (P)	7723-14-0		0.1724	mg
Mold Compound-Black	322.04	mg		Epoxy resin	proprietary data		24.153	mg
			Supplier	Phenolic Resin	Proprietary Data		8.051	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		24.153	mg
			Supplier	Carbon Black (C)	1333-86-4		1.6102	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		264.0728	mg
Plating	1.62	mg	Supplier	Palladium (Pd)	7440-05-3		0.08	mg
			В	Nickel (Ni)	7440-02-0		1.4599	mg
			Supplier	Gold (Au)	7440-57-5		0.08	mg
Wire Bond - Au	0.54	mg	Supplier	Gold (Au)	7440-57-5		0.54	mg